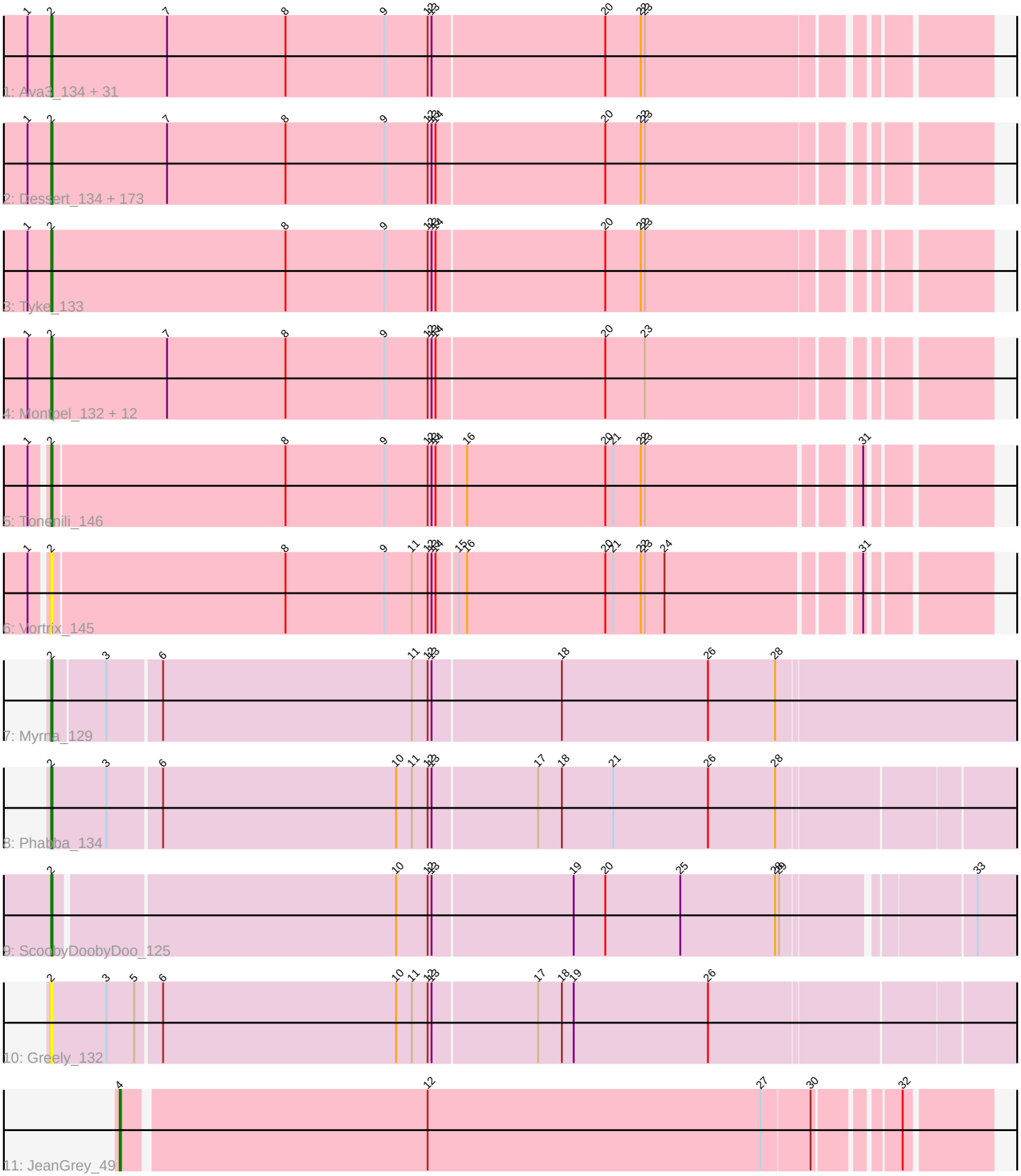
Pham 347238


1: Ava3_134 + 31
2: Dessert_134 + 173
3: Tyke_133
4: Montpel_132 + 12
5: Tionenili_146
6: Viortrix_145
7: Myrna_129
8: Phabba_134
9: ScoobyDoobyDoo_125
10: Greely_132
11: JeanGrey_49

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 347238 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347238 has 227 members, 31 are drafts.

Phages represented in each track:
• Track 1 : Ava3_134, Yucca_132, Iota_128, Izajani_133, FudgeTart_131, Jezreel_133, Maby2021_133, FoxtrotP1_133, DrPhinkDaddy_132, TinyTim_133, Ewok_134, Fongie_131, ParkTD_134, Lee7_136, Kamryn_133, Nidhogg_135, BeanWater_125, NedWong_134, Gizmo_138, Shelob_135, OrediggerDelux_136, Bipolarisk_132, Daffodil_138, ZygoTaiga_131, Norm_134, Zeenon_134, YemiJoy2021_134, Bread_132, Lethe_131, Salacia_137, Zalkecks_134, SrishMeg2525_132
• Track 2 : Dessert_134, EggyFarm_141, EasyJones_136, PurduePete_133, Gabriel_133, Halldule_127, Bxz1_130, BananaFence_132, Dandelion_138, Domi_126, Cleatunium_126, Pleione_136, Chargie21_130, EmToTheThree_135, Demodog_140, Wally_132, EmmaElysia_134, Mikro_130, DirtMonster_127, Pinkcreek_124, BackyardAgain_130, Blubba_125, DeejaClivia_120, Trinitium_131, Gamgam_134, StephanieG_131, Cactojaque_129, InigoMontoya_136, Grungle_120, Cane17_125, LinStu_131, Pier_137, Fixie_126, Khaleesi_132, Pio_137, StubbySaigey_137, Momo_133, MoMoMixon_133, Lukilu_123, Phlegm_137, Bangla1971_134, QBert_127, Mangeria_133, ScottMcG_129, Bigswole_136, Flabslab_128, Ghost_132, Ablatia_133, YoungMoneyMata_135, Drazdys_131, JustHall_131, Nappy_135, Rabinovish_132, Shnickers_133, Jaygup_133, Moiqah_125, JigglyPuff_141, ET08_121, Matsumoto_131, Guwapp_132, Rahel_132, Atlantean_133, ShiaLabeouf_132, CindyLou_135, Duckfeet_127, Adlitam_134, Bonray_134, DTDevon_133, Pivoine_133, Chomp_133, IkeLoa_127, GlutenPhree_135, Grasshills_140, BobaPhatt_130, JulietS_127, CharlieB_130, Kboogie_137, Loanshark_132, SiwenD96_134, Ronan_127, Blackbrain_129, Rocha_131, ValleyTerrace_134, ChaylaJr_129, Caravan_127, Jessibeth14_132, Sebata_133, Littleton_133, Yassified_130, Alice_126, McWolfish_131, NuevoMundo_138, Morizzled23_134, Erdmann_133, Stubby_126, Willis_134, Spec_130, LifeSavor_131, Roots515_132, Pupusa_139, Amataga_134, BigCity_141, SoilZilla_129, Tainan_136, Spud_132, PharkleMinkus_136, ChickenPhender_129, NoodleTree_140, Burrough_133, JPickles_130, LolaVinca_133, Ading_133, Patter_134, Darko_133, Dietrick_125, Cali_128, SilverDipper_135, Basquiat_130, Fludd_134, Capablanca_136, Naval22_141, Babyland_135, Koguma_130, LordLeafolot_137, Latch_134, Concombre_139, Derek_132, Colt_125, HyRo_124, Moby_126, BadAgartude_129, Rizal_128, I3_138, Janiyra_136, Jemmno_133, Shifa_122, Puhon_136, Breeniome_132, MikeLiesIn_134, Sauce_133, Napoleon13_129, LRRHood_126, Naija_133, Audrick_136, Ngannou_130, RoMag_128, SVoro_131, SmallFry_133, Megamind_132, Delilah_133, ArcherS7_132, Blackdragon_129, Melpomini_127, Shrimp_133, Quasimodo_135,

Essence_130, Shaqnato_126, JayJay_138, Belieber_129, Turret_129, Sprinklers_129, McGee_135, Substance289_131, LookingGlass_133, Phusco_133, ErnieJ_127, Asterius_136, FrayBell_138, Catera_129, Tortoise16_130, Bezza_127, Jedediah_136, Delylah_136, Phox_130
• Track 3 : Tyke_133
• Track 4 : Montpel_132, Astraea_129, Maguvora_137, Primadonna_127, Issimir_131, Bowman_135, Specks_138, Lunareta_132, GoldenSnow_136, Teardrop_132, Labradorite_134, InterFolia_139, Maturis_131
• Track 5 : Tonenili_146
• Track 6 : Vortrix_145
• Track 7 : Myrna_129
• Track 8 : Phabba_134
• Track 9 : ScoobyDoobyDoo_125
• Track 10 : Greely_132
• Track 11 : JeanGrey_49

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

The start number called the most often in the published annotations is 2, it was called in 195 of the 196 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ablatia_133, Ading_133, Adlitam_134, Alice_126, Amataga_134, ArcherS7_132, Asterius_136, Astraea_129, Atlantean_133, Audrick_136, Ava3_134, Babyland_135, BackyardAgain_130, BadAgartude_129, BananaFence_132, Bangla1971_134, Basquiat_130, BeanWater_125, Belieber_129, Bezza_127, BigCity_141, Bigswole_136, Bipolarisk_132, Blackbrain_129, Blackdragon_129, Blubba_125, BobaPhatt_130, Bonray_134, Bowman_135, Bread_132, Breeniome_132, Burrough_133, Bxz1_130, Cactojaque_129, Cali_128, Cane17_125, Capablanca_136, Caravan_127, Catera_129, Chargie21_130, CharlieB_130, ChaylaJr_129, ChickenPhender_129, Chomp_133, CindyLou_135, Cleatunium_126, Colt_125, Concombre_139, DTDevon_133, Daffodil_138, Dandelion_138, Darko_133, DeejaClivia_120, Delilah_133, Delylah_136, Demodog_140, Derek_132, Dessert_134, Dietrick_125, DirtMonster_127, Domi_126, DrPhinkDaddy_132, Drazdys_131, Duckfeet_127, ET08_121, EasyJones_136, EggyFarm_141, EmToTheThree_135, EmmaElysia_134, Erdmann_133, ErnieJ_127, Essence_130, Ewok_134, Fixie_126, Flabslab_128, Fludd_134, Fongie_131, FoxtrotP1_133, FrayBell_138, FudgeTart_131, Gabriel_133, Gamgam_134, Ghost_132, Gizmo_138, GlutenPhree_135, GoldenSnow_136, Grasshills_140, Greely_132, Grungle_120, Guwapp_132, Halldule_127, HyRo_124, I3_138, IkeLoa_127, InigoMontoya_136, InterFolia_139, Iota_128, Issimir_131, Izajani_133, JPickles_130, Janiyra_136, JayJay_138, Jaygup_133, Jedediah_136, Jemmno_133, Jessibeth14_132, Jezreel_133, JigglyPuff_141, JulietS_127, JustHall_131, Kamryn_133, Kboogie_137, Khaleesi_132, Koguma_130, LRRHood_126, Labradorite_134, Latch_134, Lee7_136, Lethe_131, LifeSavor_131, LinStu_131, Littleton_133, Loanshark_132, LolaVinca_133, LookingGlass_133, LordLeafolot_137, Lukilu_123, Lunareta_132, Maby2021_133, Maguvora_137, Mangeria_133, Matsumoto_131, Maturis_131, McGee_135, McWolfish_131, Megamind_132, Melpomini_127, MikeLiesIn_134, Mikro_130, MoMoMixon_133, Moby_126, Moiqah_125, Momo_133, Montpel_132, Morizzled23_134, Myrna_129, Naija_133, Napoleon13_129, Nappy_135,

Naval22_141, NedWong_134, Ngannou_130, Nidhogg_135, NoodleTree_140, Norm_134, NuevoMundo_138, OrediggerDelux_136, ParkTD_134, Patter_134, Phabba_134, PharkleMinkus_136, Phlegm_137, Phox_130, Phusco_133, Pier_137, Pinkcreek_124, Pio_137, Pivoine_133, Pleione_136, Primadonna_127, Puhon_136, Pupusa_139, PurduePete_133, QBert_127, Quasimodo_135, Rabinovish_132, Rahel_132, Rizal_128, RoMag_128, Rocha_131, Ronan_127, Roots515_132, SVoro_131, Salacia_137, Sauce_133, ScoobyDoobyDoo_125, ScottMcG_129, Sebata_133, Shaqnato_126, Shelob_135, ShiaLabeouf_132, Shifa_122, Shnickers_133, Shrimp_133, SilverDipper_135, SiwenD96_134, SmallFry_133, SoilZilla_129, Spec_130, Specks_138, Sprinklers_129, Spud_132, SrishMeg2525_132, StephanieG_131, StubbySaigey_137, Stubby_126, Substance289_131, Tainan_136, Teardrop_132, TinyTim_133, Tonenili_146, Tortoise16_130, Trinitium_131, Turret_129, Tyke_133, ValleyTerrace_134, Vortrix_145, Wally_132, Willis_134, Yassified_130, YemiJoy2021_134, YoungMoneyMata_135, Yucca_132, Zalkecks_134, Zeenon_134, ZygoTaiga_131,

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

Genes that do not have the "Most Annotated" start:
• JeanGrey_49,

Summary by start number:

Start 2:
• Found in 226 of 227 (99.6%) of genes in pham
• Manual Annotations of this start: 195 of 196
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ablatia_133 (C1), Ading_133 (C1), Adlitam_134 (C1), Alice_126 (C1), Amataga_134 (C1), ArcherS7_132 (C1), Asterius_136 (C1), Astraea_129 (C1), Atlantean_133 (C1), Audrick_136 (C1), Ava3_134 (C1), Babyland_135 (C1), BackyardAgain_130 (C1), BadAgartude_129 (C1), BananaFence_132 (C1), Bangla1971_134 (C1), Basquiat_130 (C1), BeanWater_125 (C1), Belieber_129 (C1), Bezza_127 (C1), BigCity_141 (C1), Bigswole_136 (C1), Bipolarisk_132 (C1), Blackbrain_129 (C1), Blackdragon_129 (C1), Blubba_125 (C1), BobaPhatt_130 (C1), Bonray_134 (C1), Bowman_135 (C1), Bread_132 (C1), Breeniome_132 (C1), Burrough_133 (C1), Bxz1_130 (C1), Cactojaque_129 (C1), Cali_128 (C1), Cane17_125 (C1), Capablanca_136 (C1), Caravan_127 (C1), Catera_129 (C1), Chargie21_130 (C1), CharlieB_130 (C1), ChaylaJr_129 (C1), ChickenPhender_129 (C1), Chomp_133 (C1), CindyLou_135 (C1), Cleatunium_126 (C1), Colt_125 (C1), Concombre_139 (C1), DTDevon_133 (C1), Daffodil_138 (C1), Dandelion_138 (C1), Darko_133 (C1), DeejaClivia_120 (C1), Delilah_133 (C1), Delylah_136 (C1), Demodog_140 (C1), Derek_132 (C1), Dessert_134 (C1), Dietrick_125 (C1), DirtMonster_127 (C1), Domi_126 (C1), DrPhinkDaddy_132 (C1), Drazdys_131 (C1), Duckfeet_127 (C1), ET08_121 (C1), EasyJones_136 (C1), EggyFarm_141 (C1), EmToTheThree_135 (C1), EmmaElysia_134 (C1), Erdmann_133 (C1), ErnieJ_127 (C1), Essence_130 (C1), Ewok_134 (C1), Fixie_126 (C1), Flabslab_128 (C1), Fludd_134 (C1), Fongie_131 (C1), FoxtrotP1_133 (C1), FrayBell_138 (C1), FudgeTart_131 (C1), Gabriel_133 (C1), Gamgam_134 (C1), Ghost_132 (C1), Gizmo_138 (C1), GlutenPhree_135 (C1), GoldenSnow_136 (C1), Grasshills_140 (C1), Greely_132 (C2), Grungle_120 (C1), Guwapp_132 (C1), Halldule_127 (C1), HyRo_124 (C1), I3_138 (C1), IkeLoa_127 (C1), InigoMontoya_136 (C1), InterFolia_139 (C1), Iota_128 (C1), Issimir_131 (C1),

Izajani_133 (C1), JPickles_130 (C1), Janiyra_136 (C1), JayJay_138 (C1), Jaygup_133 (C1), Jedediah_136 (C1), Jemmno_133 (C1), Jessibeth14_132 (C1), Jezreel_133 (C1), JigglyPuff_141 (C1), JulietS_127 (C1), JustHall_131 (C1), Kamryn_133 (C1), Kboogie_137 (C1), Khaleesi_132 (C1), Koguma_130 (C1), LRRHood_126 (C1), Labradorite_134 (C1), Latch_134 (C1), Lee7_136 (C1), Lethe_131 (C1), LifeSavor_131 (C1), LinStu_131 (C1), Littleton_133 (C1), Loanshark_132 (C1), LolaVinca_133 (C1), LookingGlass_133 (C1), LordLeafolot_137 (C1), Lukilu_123 (C1), Lunareta_132 (C1), Maby2021_133 (C1), Maguvora_137 (C1), Mangeria_133 (C1), Matsumoto_131 (C1), Maturis_131 (C1), McGee_135 (C1), McWolfish_131 (C1), Megamind_132 (C1), Melpomini_127 (C1), MikeLiesIn_134 (C1), Mikro_130 (C1), MoMoMixon_133 (C1), Moby_126 (C1), Moiqah_125 (C1), Momo_133 (C1), Montpel_132 (C1), Morizzled23_134 (C1), Myrna_129 (C2), Naija_133 (C1), Napoleon13_129 (C1), Nappy_135 (C1), Naval22_141 (C1), NedWong_134 (C1), Ngannou_130 (C1), Nidhogg_135 (C1), NoodleTree_140 (C1), Norm_134 (C1), NuevoMundo_138 (C1), OrediggerDelux_136 (C1), ParkTD_134 (C1), Patter_134 (C1), Phabba_134 (C2), PharkleMinkus_136 (C1), Phlegm_137 (C1), Phox_130 (C1), Phusco_133 (C1), Pier_137 (C1), Pinkcreek_124 (C1), Pio_137 (C1), Pivoine_133 (C1), Pleione_136 (C1), Primadonna_127 (C1), Puhon_136 (C1), Pupusa_139 (C1), PurduePete_133 (C1), QBert_127 (C1), Quasimodo_135 (C1), Rabinovish_132 (C1), Rahel_132 (C1), Rizal_128 (C1), RoMag_128 (C1), Rocha_131 (C1), Ronan_127 (C1), Roots515_132 (C1), SVoro_131 (C1), Salacia_137 (C1), Sauce_133 (C1), ScoobyDoobyDoo_125 (C2), ScottMcG_129 (C1), Sebata_133 (C1), Shaqnato_126 (C1), Shelob_135 (C1), ShiaLabeouf_132 (C1), Shifa_122 (C1), Shnickers_133 (C1), Shrimp_133 (C1), SilverDipper_135 (C1), SiwenD96_134 (C1), SmallFry_133 (C1), SoilZilla_129 (C1), Spec_130 (C1), Specks_138 (C1), Sprinklers_129 (C1), Spud_132 (C1), SrishMeg2525_132 (C1), StephanieG_131 (C1), StubbySaigey_137 (C1), Stubby_126 (C1), Substance289_131 (C1), Tainan_136 (C1), Teardrop_132 (C1), TinyTim_133 (C1), Tonenili_146 (C1), Tortoise16_130 (C1), Trinitium_131 (C1), Turret_129 (C1), Tyke_133 (C1), ValleyTerrace_134 (C1), Vortrix_145 (C1), Wally_132 (C1), Willis_134 (C1), Yassified_130 (C1), YemiJoy2021_134 (C1), YoungMoneyMata_135 (C1), Yucca_132 (C1), Zalkecks_134 (C1), Zeenon_134 (C1), ZygoTaiga_131 (C1),

Start 4:
• Found in 1 of 227 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 196
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JeanGrey_49 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: C2, C1, singleton,

Info for manual annotations of cluster C1:
•Start number 2 was manually annotated 192 times for cluster C1.

Info for manual annotations of cluster C2:
•Start number 2 was manually annotated 3 times for cluster C2.

Gene Information:

Gene: Ablatia_133 Start: 73853, Stop: 74536, Start Num: 2
Candidate Starts for Ablatia_133:
(1, 73835), (Start: 2 @73853 has 195 MA's), (7, 73940), (8, 74030), (9, 74105), (12, 74138), (13, 74141), (14, 74144), (20, 74270), (22, 74297), (23, 74300),

Gene: Ading_133 Start: 73822, Stop: 74505, Start Num: 2
Candidate Starts for Ading_133:
(1, 73804), (Start: 2 @73822 has 195 MA's), (7, 73909), (8, 73999), (9, 74074), (12, 74107), (13, 74110), (14, 74113), (20, 74239), (22, 74266), (23, 74269),

Gene: Adlitam_134 Start: 74318, Stop: 75001, Start Num: 2
Candidate Starts for Adlitam_134:
(1, 74300), (Start: 2 @74318 has 195 MA's), (7, 74405), (8, 74495), (9, 74570), (12, 74603), (13, 74606), (14, 74609), (20, 74735), (22, 74762), (23, 74765),

Gene: Alice_126 Start: 73543, Stop: 74226, Start Num: 2
Candidate Starts for Alice_126:
(1, 73525), (Start: 2 @73543 has 195 MA's), (7, 73630), (8, 73720), (9, 73795), (12, 73828), (13, 73831), (14, 73834), (20, 73960), (22, 73987), (23, 73990),

Gene: Amataga_134 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for Amataga_134:
(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: ArcherS7_132 Start: 73402, Stop: 74085, Start Num: 2
Candidate Starts for ArcherS7_132:
(1, 73384), (Start: 2 @73402 has 195 MA's), (7, 73489), (8, 73579), (9, 73654), (12, 73687), (13, 73690), (14, 73693), (20, 73819), (22, 73846), (23, 73849),

Gene: Asterius_136 Start: 74078, Stop: 74761, Start Num: 2
Candidate Starts for Asterius_136:
(1, 74060), (Start: 2 @74078 has 195 MA's), (7, 74165), (8, 74255), (9, 74330), (12, 74363), (13, 74366), (14, 74369), (20, 74495), (22, 74522), (23, 74525),

Gene: Astraea_129 Start: 72843, Stop: 73526, Start Num: 2
Candidate Starts for Astraea_129:
(1, 72825), (Start: 2 @72843 has 195 MA's), (7, 72930), (8, 73020), (9, 73095), (12, 73128), (13, 73131), (14, 73134), (20, 73260), (23, 73290),

Gene: Atlantean_133 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for Atlantean_133:
(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: Audrick_136 Start: 73542, Stop: 74225, Start Num: 2
Candidate Starts for Audrick_136:
(1, 73524), (Start: 2 @73542 has 195 MA's), (7, 73629), (8, 73719), (9, 73794), (12, 73827), (13, 73830), (14, 73833), (20, 73959), (22, 73986), (23, 73989),

Gene: Ava3_134 Start: 73987, Stop: 74670, Start Num: 2
Candidate Starts for Ava3_134:

(1, 73969), (Start: 2 @73987 has 195 MA's), (7, 74074), (8, 74164), (9, 74239), (12, 74272), (13, 74275), (20, 74404), (22, 74431), (23, 74434),

Gene: Babyland_135 Start: 73641, Stop: 74324, Start Num: 2
Candidate Starts for Babyland_135:
(1, 73623), (Start: 2 @73641 has 195 MA's), (7, 73728), (8, 73818), (9, 73893), (12, 73926), (13, 73929), (14, 73932), (20, 74058), (22, 74085), (23, 74088),

Gene: BackyardAgain_130 Start: 72990, Stop: 73673, Start Num: 2
Candidate Starts for BackyardAgain_130:
(1, 72972), (Start: 2 @72990 has 195 MA's), (7, 73077), (8, 73167), (9, 73242), (12, 73275), (13, 73278), (14, 73281), (20, 73407), (22, 73434), (23, 73437),

Gene: BadAgartude_129 Start: 74289, Stop: 74972, Start Num: 2
Candidate Starts for BadAgartude_129:
(1, 74271), (Start: 2 @74289 has 195 MA's), (7, 74376), (8, 74466), (9, 74541), (12, 74574), (13, 74577), (14, 74580), (20, 74706), (22, 74733), (23, 74736),

Gene: BananaFence_132 Start: 74243, Stop: 74926, Start Num: 2
Candidate Starts for BananaFence_132:
(1, 74225), (Start: 2 @74243 has 195 MA's), (7, 74330), (8, 74420), (9, 74495), (12, 74528), (13, 74531), (14, 74534), (20, 74660), (22, 74687), (23, 74690),

Gene: Bangla1971_134 Start: 73532, Stop: 74215, Start Num: 2
Candidate Starts for Bangla1971_134:
(1, 73514), (Start: 2 @73532 has 195 MA's), (7, 73619), (8, 73709), (9, 73784), (12, 73817), (13, 73820), (14, 73823), (20, 73949), (22, 73976), (23, 73979),

Gene: Basquiat_130 Start: 73141, Stop: 73824, Start Num: 2
Candidate Starts for Basquiat_130:
(1, 73123), (Start: 2 @73141 has 195 MA's), (7, 73228), (8, 73318), (9, 73393), (12, 73426), (13, 73429), (14, 73432), (20, 73558), (22, 73585), (23, 73588),

Gene: BeanWater_125 Start: 73841, Stop: 74524, Start Num: 2
Candidate Starts for BeanWater_125:
(1, 73823), (Start: 2 @73841 has 195 MA's), (7, 73928), (8, 74018), (9, 74093), (12, 74126), (13, 74129), (20, 74258), (22, 74285), (23, 74288),

Gene: Belieber_129 Start: 73316, Stop: 73999, Start Num: 2
Candidate Starts for Belieber_129:
(1, 73298), (Start: 2 @73316 has 195 MA's), (7, 73403), (8, 73493), (9, 73568), (12, 73601), (13, 73604), (14, 73607), (20, 73733), (22, 73760), (23, 73763),

Gene: Bezza_127 Start: 73899, Stop: 74582, Start Num: 2
Candidate Starts for Bezza_127:
(1, 73881), (Start: 2 @73899 has 195 MA's), (7, 73986), (8, 74076), (9, 74151), (12, 74184), (13, 74187), (14, 74190), (20, 74316), (22, 74343), (23, 74346),

Gene: BigCity_141 Start: 76513, Stop: 77196, Start Num: 2
Candidate Starts for BigCity_141:
(1, 76495), (Start: 2 @76513 has 195 MA's), (7, 76600), (8, 76690), (9, 76765), (12, 76798), (13, 76801), (14, 76804), (20, 76930), (22, 76957), (23, 76960),

Gene: Bigswole_136 Start: 75798, Stop: 76481, Start Num: 2
Candidate Starts for Bigswole_136:
(1, 75780), (Start: 2 @75798 has 195 MA's), (7, 75885), (8, 75975), (9, 76050), (12, 76083), (13, 76086), (14, 76089), (20, 76215), (22, 76242), (23, 76245),

Gene: Bipolarisk_132 Start: 74255, Stop: 74938, Start Num: 2
Candidate Starts for Bipolarisk_132:
(1, 74237), (Start: 2 @74255 has 195 MA's), (7, 74342), (8, 74432), (9, 74507), (12, 74540), (13, 74543), (20, 74672), (22, 74699), (23, 74702),

Gene: Blackbrain_129 Start: 73026, Stop: 73709, Start Num: 2
Candidate Starts for Blackbrain_129:
(1, 73008), (Start: 2 @73026 has 195 MA's), (7, 73113), (8, 73203), (9, 73278), (12, 73311), (13, 73314), (14, 73317), (20, 73443), (22, 73470), (23, 73473),

Gene: Blackdragon_129 Start: 73670, Stop: 74353, Start Num: 2
Candidate Starts for Blackdragon_129:
(1, 73652), (Start: 2 @73670 has 195 MA's), (7, 73757), (8, 73847), (9, 73922), (12, 73955), (13, 73958), (14, 73961), (20, 74087), (22, 74114), (23, 74117),

Gene: Blubba_125 Start: 75388, Stop: 76071, Start Num: 2
Candidate Starts for Blubba_125:
(1, 75370), (Start: 2 @75388 has 195 MA's), (7, 75475), (8, 75565), (9, 75640), (12, 75673), (13, 75676), (14, 75679), (20, 75805), (22, 75832), (23, 75835),

Gene: BobaPhatt_130 Start: 72605, Stop: 73288, Start Num: 2
Candidate Starts for BobaPhatt_130:
(1, 72587), (Start: 2 @72605 has 195 MA's), (7, 72692), (8, 72782), (9, 72857), (12, 72890), (13, 72893), (14, 72896), (20, 73022), (22, 73049), (23, 73052),

Gene: Bonray_134 Start: 74897, Stop: 75580, Start Num: 2
Candidate Starts for Bonray_134:
(1, 74879), (Start: 2 @74897 has 195 MA's), (7, 74984), (8, 75074), (9, 75149), (12, 75182), (13, 75185), (14, 75188), (20, 75314), (22, 75341), (23, 75344),

Gene: Bowman_135 Start: 73979, Stop: 74662, Start Num: 2
Candidate Starts for Bowman_135:
(1, 73961), (Start: 2 @73979 has 195 MA's), (7, 74066), (8, 74156), (9, 74231), (12, 74264), (13, 74267), (14, 74270), (20, 74396), (23, 74426),

Gene: Bread_132 Start: 74073, Stop: 74756, Start Num: 2
Candidate Starts for Bread_132:
(1, 74055), (Start: 2 @74073 has 195 MA's), (7, 74160), (8, 74250), (9, 74325), (12, 74358), (13, 74361), (20, 74490), (22, 74517), (23, 74520),

Gene: Breeniome_132 Start: 72431, Stop: 73114, Start Num: 2
Candidate Starts for Breeniome_132:
(1, 72413), (Start: 2 @72431 has 195 MA's), (7, 72518), (8, 72608), (9, 72683), (12, 72716), (13, 72719), (14, 72722), (20, 72848), (22, 72875), (23, 72878),

Gene: Burrough_133 Start: 74582, Stop: 75265, Start Num: 2
Candidate Starts for Burrough_133:

(1, 74564), (Start: 2 @74582 has 195 MA's), (7, 74669), (8, 74759), (9, 74834), (12, 74867), (13, 74870), (14, 74873), (20, 74999), (22, 75026), (23, 75029),

Gene: Bxz1_130 Start: 75785, Stop: 76468, Start Num: 2
Candidate Starts for Bxz1_130:
(1, 75767), (Start: 2 @75785 has 195 MA's), (7, 75872), (8, 75962), (9, 76037), (12, 76070), (13, 76073), (14, 76076), (20, 76202), (22, 76229), (23, 76232),

Gene: Cactojaque_129 Start: 73133, Stop: 73816, Start Num: 2
Candidate Starts for Cactojaque_129:
(1, 73115), (Start: 2 @73133 has 195 MA's), (7, 73220), (8, 73310), (9, 73385), (12, 73418), (13, 73421), (14, 73424), (20, 73550), (22, 73577), (23, 73580),

Gene: Cali_128 Start: 74584, Stop: 75267, Start Num: 2
Candidate Starts for Cali_128:
(1, 74566), (Start: 2 @74584 has 195 MA's), (7, 74671), (8, 74761), (9, 74836), (12, 74869), (13, 74872), (14, 74875), (20, 75001), (22, 75028), (23, 75031),

Gene: Cane17_125 Start: 75446, Stop: 76129, Start Num: 2
Candidate Starts for Cane17_125:
(1, 75428), (Start: 2 @75446 has 195 MA's), (7, 75533), (8, 75623), (9, 75698), (12, 75731), (13, 75734), (14, 75737), (20, 75863), (22, 75890), (23, 75893),

Gene: Capablanca_136 Start: 75313, Stop: 75996, Start Num: 2
Candidate Starts for Capablanca_136:
(1, 75295), (Start: 2 @75313 has 195 MA's), (7, 75400), (8, 75490), (9, 75565), (12, 75598), (13, 75601), (14, 75604), (20, 75730), (22, 75757), (23, 75760),

Gene: Caravan_127 Start: 73941, Stop: 74624, Start Num: 2
Candidate Starts for Caravan_127:
(1, 73923), (Start: 2 @73941 has 195 MA's), (7, 74028), (8, 74118), (9, 74193), (12, 74226), (13, 74229), (14, 74232), (20, 74358), (22, 74385), (23, 74388),

Gene: Catera_129 Start: 72848, Stop: 73531, Start Num: 2
Candidate Starts for Catera_129:
(1, 72830), (Start: 2 @72848 has 195 MA's), (7, 72935), (8, 73025), (9, 73100), (12, 73133), (13, 73136), (14, 73139), (20, 73265), (22, 73292), (23, 73295),

Gene: Chargie21_130 Start: 73141, Stop: 73824, Start Num: 2
Candidate Starts for Chargie21_130:
(1, 73123), (Start: 2 @73141 has 195 MA's), (7, 73228), (8, 73318), (9, 73393), (12, 73426), (13, 73429), (14, 73432), (20, 73558), (22, 73585), (23, 73588),

Gene: CharlieB_130 Start: 73467, Stop: 74150, Start Num: 2
Candidate Starts for CharlieB_130:
(1, 73449), (Start: 2 @73467 has 195 MA's), (7, 73554), (8, 73644), (9, 73719), (12, 73752), (13, 73755), (14, 73758), (20, 73884), (22, 73911), (23, 73914),

Gene: ChaylaJr_129 Start: 72949, Stop: 73632, Start Num: 2
Candidate Starts for ChaylaJr_129:
(1, 72931), (Start: 2 @72949 has 195 MA's), (7, 73036), (8, 73126), (9, 73201), (12, 73234), (13, 73237), (14, 73240), (20, 73366), (22, 73393), (23, 73396),

Gene: ChickenPhender_129 Start: 72773, Stop: 73456, Start Num: 2
Candidate Starts for ChickenPhender_129:
(1, 72755), (Start: 2 @72773 has 195 MA's), (7, 72860), (8, 72950), (9, 73025), (12, 73058), (13, 73061), (14, 73064), (20, 73190), (22, 73217), (23, 73220),

Gene: Chomp_133 Start: 74852, Stop: 75535, Start Num: 2
Candidate Starts for Chomp_133:
(1, 74834), (Start: 2 @74852 has 195 MA's), (7, 74939), (8, 75029), (9, 75104), (12, 75137), (13, 75140), (14, 75143), (20, 75269), (22, 75296), (23, 75299),

Gene: CindyLou_135 Start: 74892, Stop: 75575, Start Num: 2
Candidate Starts for CindyLou_135:
(1, 74874), (Start: 2 @74892 has 195 MA's), (7, 74979), (8, 75069), (9, 75144), (12, 75177), (13, 75180), (14, 75183), (20, 75309), (22, 75336), (23, 75339),

Gene: Cleatunium_126 Start: 73060, Stop: 73743, Start Num: 2
Candidate Starts for Cleatunium_126:
(1, 73042), (Start: 2 @73060 has 195 MA's), (7, 73147), (8, 73237), (9, 73312), (12, 73345), (13, 73348), (14, 73351), (20, 73477), (22, 73504), (23, 73507),

Gene: Colt_125 Start: 75563, Stop: 76246, Start Num: 2
Candidate Starts for Colt_125:
(1, 75545), (Start: 2 @75563 has 195 MA's), (7, 75650), (8, 75740), (9, 75815), (12, 75848), (13, 75851), (14, 75854), (20, 75980), (22, 76007), (23, 76010),

Gene: Concombre_139 Start: 76746, Stop: 77429, Start Num: 2
Candidate Starts for Concombre_139:
(1, 76728), (Start: 2 @76746 has 195 MA's), (7, 76833), (8, 76923), (9, 76998), (12, 77031), (13, 77034), (14, 77037), (20, 77163), (22, 77190), (23, 77193),

Gene: DTDevon_133 Start: 74614, Stop: 75297, Start Num: 2
Candidate Starts for DTDevon_133:
(1, 74596), (Start: 2 @74614 has 195 MA's), (7, 74701), (8, 74791), (9, 74866), (12, 74899), (13, 74902), (14, 74905), (20, 75031), (22, 75058), (23, 75061),

Gene: Daffodil_138 Start: 74555, Stop: 75238, Start Num: 2
Candidate Starts for Daffodil_138:
(1, 74537), (Start: 2 @74555 has 195 MA's), (7, 74642), (8, 74732), (9, 74807), (12, 74840), (13, 74843), (20, 74972), (22, 74999), (23, 75002),

Gene: Dandelion_138 Start: 76747, Stop: 77430, Start Num: 2
Candidate Starts for Dandelion_138:
(1, 76729), (Start: 2 @76747 has 195 MA's), (7, 76834), (8, 76924), (9, 76999), (12, 77032), (13, 77035), (14, 77038), (20, 77164), (22, 77191), (23, 77194),

Gene: Darko_133 Start: 74247, Stop: 74930, Start Num: 2
Candidate Starts for Darko_133:
(1, 74229), (Start: 2 @74247 has 195 MA's), (7, 74334), (8, 74424), (9, 74499), (12, 74532), (13, 74535), (14, 74538), (20, 74664), (22, 74691), (23, 74694),

Gene: DeejaClivia_120 Start: 70913, Stop: 71596, Start Num: 2
Candidate Starts for DeejaClivia_120:

(1, 70895), (Start: 2 @70913 has 195 MA's), (7, 71000), (8, 71090), (9, 71165), (12, 71198), (13, 71201), (14, 71204), (20, 71330), (22, 71357), (23, 71360),

Gene: Delilah_133 Start: 74709, Stop: 75392, Start Num: 2
Candidate Starts for Delilah_133:
(1, 74691), (Start: 2 @74709 has 195 MA's), (7, 74796), (8, 74886), (9, 74961), (12, 74994), (13, 74997), (14, 75000), (20, 75126), (22, 75153), (23, 75156),

Gene: Delylah_136 Start: 74248, Stop: 74931, Start Num: 2
Candidate Starts for Delylah_136:
(1, 74230), (Start: 2 @74248 has 195 MA's), (7, 74335), (8, 74425), (9, 74500), (12, 74533), (13, 74536), (14, 74539), (20, 74665), (22, 74692), (23, 74695),

Gene: Demodog_140 Start: 76755, Stop: 77438, Start Num: 2
Candidate Starts for Demodog_140:
(1, 76737), (Start: 2 @76755 has 195 MA's), (7, 76842), (8, 76932), (9, 77007), (12, 77040), (13, 77043), (14, 77046), (20, 77172), (22, 77199), (23, 77202),

Gene: Derek_132 Start: 74174, Stop: 74857, Start Num: 2
Candidate Starts for Derek_132:
(1, 74156), (Start: 2 @74174 has 195 MA's), (7, 74261), (8, 74351), (9, 74426), (12, 74459), (13, 74462), (14, 74465), (20, 74591), (22, 74618), (23, 74621),

Gene: Dessert_134 Start: 73129, Stop: 73812, Start Num: 2
Candidate Starts for Dessert_134:
(1, 73111), (Start: 2 @73129 has 195 MA's), (7, 73216), (8, 73306), (9, 73381), (12, 73414), (13, 73417), (14, 73420), (20, 73546), (22, 73573), (23, 73576),

Gene: Dietrick_125 Start: 72250, Stop: 72933, Start Num: 2
Candidate Starts for Dietrick_125:
(1, 72232), (Start: 2 @72250 has 195 MA's), (7, 72337), (8, 72427), (9, 72502), (12, 72535), (13, 72538), (14, 72541), (20, 72667), (22, 72694), (23, 72697),

Gene: DirtMonster_127 Start: 73508, Stop: 74191, Start Num: 2
Candidate Starts for DirtMonster_127:
(1, 73490), (Start: 2 @73508 has 195 MA's), (7, 73595), (8, 73685), (9, 73760), (12, 73793), (13, 73796), (14, 73799), (20, 73925), (22, 73952), (23, 73955),

Gene: Domi_126 Start: 73587, Stop: 74270, Start Num: 2
Candidate Starts for Domi_126:
(1, 73569), (Start: 2 @73587 has 195 MA's), (7, 73674), (8, 73764), (9, 73839), (12, 73872), (13, 73875), (14, 73878), (20, 74004), (22, 74031), (23, 74034),

Gene: DrPhinkDaddy_132 Start: 74767, Stop: 75450, Start Num: 2
Candidate Starts for DrPhinkDaddy_132:
(1, 74749), (Start: 2 @74767 has 195 MA's), (7, 74854), (8, 74944), (9, 75019), (12, 75052), (13, 75055), (20, 75184), (22, 75211), (23, 75214),

Gene: Drazdys_131 Start: 73238, Stop: 73921, Start Num: 2
Candidate Starts for Drazdys_131:
(1, 73220), (Start: 2 @73238 has 195 MA's), (7, 73325), (8, 73415), (9, 73490), (12, 73523), (13, 73526), (14, 73529), (20, 73655), (22, 73682), (23, 73685),

Gene: Duckfeet_127 Start: 73179, Stop: 73862, Start Num: 2
Candidate Starts for Duckfeet_127:
(1, 73161), (Start: 2 @73179 has 195 MA's), (7, 73266), (8, 73356), (9, 73431), (12, 73464), (13, 73467), (14, 73470), (20, 73596), (22, 73623), (23, 73626),

Gene: ET08_121 Start: 73228, Stop: 73911, Start Num: 2
Candidate Starts for ET08_121:
(1, 73210), (Start: 2 @73228 has 195 MA's), (7, 73315), (8, 73405), (9, 73480), (12, 73513), (13, 73516), (14, 73519), (20, 73645), (22, 73672), (23, 73675),

Gene: EasyJones_136 Start: 73795, Stop: 74478, Start Num: 2
Candidate Starts for EasyJones_136:
(1, 73777), (Start: 2 @73795 has 195 MA's), (7, 73882), (8, 73972), (9, 74047), (12, 74080), (13, 74083), (14, 74086), (20, 74212), (22, 74239), (23, 74242),

Gene: EggyFarm_141 Start: 76513, Stop: 77196, Start Num: 2
Candidate Starts for EggyFarm_141:
(1, 76495), (Start: 2 @76513 has 195 MA's), (7, 76600), (8, 76690), (9, 76765), (12, 76798), (13, 76801), (14, 76804), (20, 76930), (22, 76957), (23, 76960),

Gene: EmToTheThree_135 Start: 75507, Stop: 76190, Start Num: 2
Candidate Starts for EmToTheThree_135:
(1, 75489), (Start: 2 @75507 has 195 MA's), (7, 75594), (8, 75684), (9, 75759), (12, 75792), (13, 75795), (14, 75798), (20, 75924), (22, 75951), (23, 75954),

Gene: EmmaElysia_134 Start: 73782, Stop: 74465, Start Num: 2
Candidate Starts for EmmaElysia_134:
(1, 73764), (Start: 2 @73782 has 195 MA's), (7, 73869), (8, 73959), (9, 74034), (12, 74067), (13, 74070), (14, 74073), (20, 74199), (22, 74226), (23, 74229),

Gene: Erdmann_133 Start: 74556, Stop: 75239, Start Num: 2
Candidate Starts for Erdmann_133:
(1, 74538), (Start: 2 @74556 has 195 MA's), (7, 74643), (8, 74733), (9, 74808), (12, 74841), (13, 74844), (14, 74847), (20, 74973), (22, 75000), (23, 75003),

Gene: ErnieJ_127 Start: 72525, Stop: 73208, Start Num: 2
Candidate Starts for ErnieJ_127:
(1, 72507), (Start: 2 @72525 has 195 MA's), (7, 72612), (8, 72702), (9, 72777), (12, 72810), (13, 72813), (14, 72816), (20, 72942), (22, 72969), (23, 72972),

Gene: Essence_130 Start: 73404, Stop: 74087, Start Num: 2
Candidate Starts for Essence_130:
(1, 73386), (Start: 2 @73404 has 195 MA's), (7, 73491), (8, 73581), (9, 73656), (12, 73689), (13, 73692), (14, 73695), (20, 73821), (22, 73848), (23, 73851),

Gene: Ewok_134 Start: 73933, Stop: 74616, Start Num: 2
Candidate Starts for Ewok_134:
(1, 73915), (Start: 2 @73933 has 195 MA's), (7, 74020), (8, 74110), (9, 74185), (12, 74218), (13, 74221), (20, 74350), (22, 74377), (23, 74380),

Gene: Fixie_126 Start: 73676, Stop: 74359, Start Num: 2
Candidate Starts for Fixie_126:

(1, 73658), (Start: 2 @73676 has 195 MA's), (7, 73763), (8, 73853), (9, 73928), (12, 73961), (13, 73964), (14, 73967), (20, 74093), (22, 74120), (23, 74123),

Gene: Flabslab_128 Start: 72115, Stop: 72798, Start Num: 2
Candidate Starts for Flabslab_128:
(1, 72097), (Start: 2 @72115 has 195 MA's), (7, 72202), (8, 72292), (9, 72367), (12, 72400), (13, 72403), (14, 72406), (20, 72532), (22, 72559), (23, 72562),

Gene: Fludd_134 Start: 73581, Stop: 74264, Start Num: 2
Candidate Starts for Fludd_134:
(1, 73563), (Start: 2 @73581 has 195 MA's), (7, 73668), (8, 73758), (9, 73833), (12, 73866), (13, 73869), (14, 73872), (20, 73998), (22, 74025), (23, 74028),

Gene: Fongie_131 Start: 74146, Stop: 74829, Start Num: 2
Candidate Starts for Fongie_131:
(1, 74128), (Start: 2 @74146 has 195 MA's), (7, 74233), (8, 74323), (9, 74398), (12, 74431), (13, 74434), (20, 74563), (22, 74590), (23, 74593),

Gene: FoxtrotP1_133 Start: 75716, Stop: 76399, Start Num: 2
Candidate Starts for FoxtrotP1_133:
(1, 75698), (Start: 2 @75716 has 195 MA's), (7, 75803), (8, 75893), (9, 75968), (12, 76001), (13, 76004), (20, 76133), (22, 76160), (23, 76163),

Gene: FrayBell_138 Start: 74880, Stop: 75563, Start Num: 2
Candidate Starts for FrayBell_138:
(1, 74862), (Start: 2 @74880 has 195 MA's), (7, 74967), (8, 75057), (9, 75132), (12, 75165), (13, 75168), (14, 75171), (20, 75297), (22, 75324), (23, 75327),

Gene: FudgeTart_131 Start: 73586, Stop: 74269, Start Num: 2
Candidate Starts for FudgeTart_131:
(1, 73568), (Start: 2 @73586 has 195 MA's), (7, 73673), (8, 73763), (9, 73838), (12, 73871), (13, 73874), (20, 74003), (22, 74030), (23, 74033),

Gene: Gabriel_133 Start: 72810, Stop: 73493, Start Num: 2
Candidate Starts for Gabriel_133:
(1, 72792), (Start: 2 @72810 has 195 MA's), (7, 72897), (8, 72987), (9, 73062), (12, 73095), (13, 73098), (14, 73101), (20, 73227), (22, 73254), (23, 73257),

Gene: Gamgam_134 Start: 73553, Stop: 74236, Start Num: 2
Candidate Starts for Gamgam_134:
(1, 73535), (Start: 2 @73553 has 195 MA's), (7, 73640), (8, 73730), (9, 73805), (12, 73838), (13, 73841), (14, 73844), (20, 73970), (22, 73997), (23, 74000),

Gene: Ghost_132 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for Ghost_132:
(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: Gizmo_138 Start: 76185, Stop: 76868, Start Num: 2
Candidate Starts for Gizmo_138:
(1, 76167), (Start: 2 @76185 has 195 MA's), (7, 76272), (8, 76362), (9, 76437), (12, 76470), (13, 76473), (20, 76602), (22, 76629), (23, 76632),

Gene: GlutenPhree_135 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for GlutenPhree_135:
(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: GoldenSnow_136 Start: 74879, Stop: 75562, Start Num: 2
Candidate Starts for GoldenSnow_136:
(1, 74861), (Start: 2 @74879 has 195 MA's), (7, 74966), (8, 75056), (9, 75131), (12, 75164), (13, 75167), (14, 75170), (20, 75296), (23, 75326),

Gene: Grasshills_140 Start: 76513, Stop: 77196, Start Num: 2
Candidate Starts for Grasshills_140:
(1, 76495), (Start: 2 @76513 has 195 MA's), (7, 76600), (8, 76690), (9, 76765), (12, 76798), (13, 76801), (14, 76804), (20, 76930), (22, 76957), (23, 76960),

Gene: Greely_132 Start: 74934, Stop: 75650, Start Num: 2
Candidate Starts for Greely_132:
(Start: 2 @74934 has 195 MA's), (3, 74976), (5, 74997), (6, 75015), (10, 75192), (11, 75204), (12, 75216), (13, 75219), (17, 75297), (18, 75315), (19, 75324), (26, 75426),

Gene: Grungle_120 Start: 70828, Stop: 71511, Start Num: 2
Candidate Starts for Grungle_120:
(1, 70810), (Start: 2 @70828 has 195 MA's), (7, 70915), (8, 71005), (9, 71080), (12, 71113), (13, 71116), (14, 71119), (20, 71245), (22, 71272), (23, 71275),

Gene: Guwapp_132 Start: 72975, Stop: 73658, Start Num: 2
Candidate Starts for Guwapp_132:
(1, 72957), (Start: 2 @72975 has 195 MA's), (7, 73062), (8, 73152), (9, 73227), (12, 73260), (13, 73263), (14, 73266), (20, 73392), (22, 73419), (23, 73422),

Gene: Halldule_127 Start: 71854, Stop: 72537, Start Num: 2
Candidate Starts for Halldule_127:
(1, 71836), (Start: 2 @71854 has 195 MA's), (7, 71941), (8, 72031), (9, 72106), (12, 72139), (13, 72142), (14, 72145), (20, 72271), (22, 72298), (23, 72301),

Gene: HyRo_124 Start: 73506, Stop: 74189, Start Num: 2
Candidate Starts for HyRo_124:
(1, 73488), (Start: 2 @73506 has 195 MA's), (7, 73593), (8, 73683), (9, 73758), (12, 73791), (13, 73794), (14, 73797), (20, 73923), (22, 73950), (23, 73953),

Gene: I3_138 Start: 75041, Stop: 75724, Start Num: 2
Candidate Starts for I3_138:
(1, 75023), (Start: 2 @75041 has 195 MA's), (7, 75128), (8, 75218), (9, 75293), (12, 75326), (13, 75329), (14, 75332), (20, 75458), (22, 75485), (23, 75488),

Gene: IkeLoa_127 Start: 73461, Stop: 74144, Start Num: 2
Candidate Starts for IkeLoa_127:
(1, 73443), (Start: 2 @73461 has 195 MA's), (7, 73548), (8, 73638), (9, 73713), (12, 73746), (13, 73749), (14, 73752), (20, 73878), (22, 73905), (23, 73908),

Gene: InigoMontoya_136 Start: 73524, Stop: 74207, Start Num: 2
Candidate Starts for InigoMontoya_136:

(1, 73506), (Start: 2 @73524 has 195 MA's), (7, 73611), (8, 73701), (9, 73776), (12, 73809), (13, 73812), (14, 73815), (20, 73941), (22, 73968), (23, 73971),

Gene: InterFolia_139 Start: 75815, Stop: 76498, Start Num: 2
Candidate Starts for InterFolia_139:
(1, 75797), (Start: 2 @75815 has 195 MA's), (7, 75902), (8, 75992), (9, 76067), (12, 76100), (13, 76103), (14, 76106), (20, 76232), (23, 76262),

Gene: Iota_128 Start: 73512, Stop: 74195, Start Num: 2
Candidate Starts for Iota_128:
(1, 73494), (Start: 2 @73512 has 195 MA's), (7, 73599), (8, 73689), (9, 73764), (12, 73797), (13, 73800), (20, 73929), (22, 73956), (23, 73959),

Gene: Issimir_131 Start: 74520, Stop: 75203, Start Num: 2
Candidate Starts for Issimir_131:
(1, 74502), (Start: 2 @74520 has 195 MA's), (7, 74607), (8, 74697), (9, 74772), (12, 74805), (13, 74808), (14, 74811), (20, 74937), (23, 74967),

Gene: Izajani_133 Start: 74726, Stop: 75409, Start Num: 2
Candidate Starts for Izajani_133:
(1, 74708), (Start: 2 @74726 has 195 MA's), (7, 74813), (8, 74903), (9, 74978), (12, 75011), (13, 75014), (20, 75143), (22, 75170), (23, 75173),

Gene: JPickles_130 Start: 72315, Stop: 72998, Start Num: 2
Candidate Starts for JPickles_130:
(1, 72297), (Start: 2 @72315 has 195 MA's), (7, 72402), (8, 72492), (9, 72567), (12, 72600), (13, 72603), (14, 72606), (20, 72732), (22, 72759), (23, 72762),

Gene: Janiyra_136 Start: 74490, Stop: 75173, Start Num: 2
Candidate Starts for Janiyra_136:
(1, 74472), (Start: 2 @74490 has 195 MA's), (7, 74577), (8, 74667), (9, 74742), (12, 74775), (13, 74778), (14, 74781), (20, 74907), (22, 74934), (23, 74937),

Gene: JayJay_138 Start: 75521, Stop: 76204, Start Num: 2
Candidate Starts for JayJay_138:
(1, 75503), (Start: 2 @75521 has 195 MA's), (7, 75608), (8, 75698), (9, 75773), (12, 75806), (13, 75809), (14, 75812), (20, 75938), (22, 75965), (23, 75968),

Gene: Jaygup_133 Start: 73840, Stop: 74523, Start Num: 2
Candidate Starts for Jaygup_133:
(1, 73822), (Start: 2 @73840 has 195 MA's), (7, 73927), (8, 74017), (9, 74092), (12, 74125), (13, 74128), (14, 74131), (20, 74257), (22, 74284), (23, 74287),

Gene: JeanGrey_49 Start: 35143, Stop: 35772, Start Num: 4
Candidate Starts for JeanGrey_49:
(Start: 4 @35143 has 1 MA's), (12, 35368), (27, 35620), (30, 35656), (32, 35710),

Gene: Jedediah_136 Start: 74373, Stop: 75056, Start Num: 2
Candidate Starts for Jedediah_136:
(1, 74355), (Start: 2 @74373 has 195 MA's), (7, 74460), (8, 74550), (9, 74625), (12, 74658), (13, 74661), (14, 74664), (20, 74790), (22, 74817), (23, 74820),

Gene: Jemmno_133 Start: 73820, Stop: 74503, Start Num: 2

Candidate Starts for Jemmno_133:
(1, 73802), (Start: 2 @73820 has 195 MA's), (7, 73907), (8, 73997), (9, 74072), (12, 74105), (13, 74108), (14, 74111), (20, 74237), (22, 74264), (23, 74267),

Gene: Jessibeth14_132 Start: 74352, Stop: 75035, Start Num: 2
Candidate Starts for Jessibeth14_132:
(1, 74334), (Start: 2 @74352 has 195 MA's), (7, 74439), (8, 74529), (9, 74604), (12, 74637), (13, 74640), (14, 74643), (20, 74769), (22, 74796), (23, 74799),

Gene: Jezreel_133 Start: 74506, Stop: 75189, Start Num: 2
Candidate Starts for Jezreel_133:
(1, 74488), (Start: 2 @74506 has 195 MA's), (7, 74593), (8, 74683), (9, 74758), (12, 74791), (13, 74794), (20, 74923), (22, 74950), (23, 74953),

Gene: JigglyPuff_141 Start: 76670, Stop: 77353, Start Num: 2
Candidate Starts for JigglyPuff_141:
(1, 76652), (Start: 2 @76670 has 195 MA's), (7, 76757), (8, 76847), (9, 76922), (12, 76955), (13, 76958), (14, 76961), (20, 77087), (22, 77114), (23, 77117),

Gene: JulietS_127 Start: 71707, Stop: 72390, Start Num: 2
Candidate Starts for JulietS_127:
(1, 71689), (Start: 2 @71707 has 195 MA's), (7, 71794), (8, 71884), (9, 71959), (12, 71992), (13, 71995), (14, 71998), (20, 72124), (22, 72151), (23, 72154),

Gene: JustHall_131 Start: 74348, Stop: 75031, Start Num: 2
Candidate Starts for JustHall_131:
(1, 74330), (Start: 2 @74348 has 195 MA's), (7, 74435), (8, 74525), (9, 74600), (12, 74633), (13, 74636), (14, 74639), (20, 74765), (22, 74792), (23, 74795),

Gene: Kamryn_133 Start: 75158, Stop: 75841, Start Num: 2
Candidate Starts for Kamryn_133:
(1, 75140), (Start: 2 @75158 has 195 MA's), (7, 75245), (8, 75335), (9, 75410), (12, 75443), (13, 75446), (20, 75575), (22, 75602), (23, 75605),

Gene: Kboogie_137 Start: 73513, Stop: 74196, Start Num: 2
Candidate Starts for Kboogie_137:
(1, 73495), (Start: 2 @73513 has 195 MA's), (7, 73600), (8, 73690), (9, 73765), (12, 73798), (13, 73801), (14, 73804), (20, 73930), (22, 73957), (23, 73960),

Gene: Khaleesi_132 Start: 74455, Stop: 75138, Start Num: 2
Candidate Starts for Khaleesi_132:
(1, 74437), (Start: 2 @74455 has 195 MA's), (7, 74542), (8, 74632), (9, 74707), (12, 74740), (13, 74743), (14, 74746), (20, 74872), (22, 74899), (23, 74902),

Gene: Koguma_130 Start: 71990, Stop: 72673, Start Num: 2
Candidate Starts for Koguma_130:
(1, 71972), (Start: 2 @71990 has 195 MA's), (7, 72077), (8, 72167), (9, 72242), (12, 72275), (13, 72278), (14, 72281), (20, 72407), (22, 72434), (23, 72437),

Gene: LRRHood_126 Start: 73798, Stop: 74481, Start Num: 2
Candidate Starts for LRRHood_126:
(1, 73780), (Start: 2 @73798 has 195 MA's), (7, 73885), (8, 73975), (9, 74050), (12, 74083), (13, 74086), (14, 74089), (20, 74215), (22, 74242), (23, 74245),

Gene: Labradorite_134 Start: 72527, Stop: 73210, Start Num: 2
Candidate Starts for Labradorite_134:
(1, 72509), (Start: 2 @72527 has 195 MA's), (7, 72614), (8, 72704), (9, 72779), (12, 72812), (13, 72815), (14, 72818), (20, 72944), (23, 72974),

Gene: Latch_134 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for Latch_134:
(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: Lee7_136 Start: 75079, Stop: 75762, Start Num: 2
Candidate Starts for Lee7_136:
(1, 75061), (Start: 2 @75079 has 195 MA's), (7, 75166), (8, 75256), (9, 75331), (12, 75364), (13, 75367), (20, 75496), (22, 75523), (23, 75526),

Gene: Lethe_131 Start: 74517, Stop: 75200, Start Num: 2
Candidate Starts for Lethe_131:
(1, 74499), (Start: 2 @74517 has 195 MA's), (7, 74604), (8, 74694), (9, 74769), (12, 74802), (13, 74805), (20, 74934), (22, 74961), (23, 74964),

Gene: LifeSavor_131 Start: 73772, Stop: 74455, Start Num: 2
Candidate Starts for LifeSavor_131:
(1, 73754), (Start: 2 @73772 has 195 MA's), (7, 73859), (8, 73949), (9, 74024), (12, 74057), (13, 74060), (14, 74063), (20, 74189), (22, 74216), (23, 74219),

Gene: LinStu_131 Start: 74407, Stop: 75090, Start Num: 2
Candidate Starts for LinStu_131:
(1, 74389), (Start: 2 @74407 has 195 MA's), (7, 74494), (8, 74584), (9, 74659), (12, 74692), (13, 74695), (14, 74698), (20, 74824), (22, 74851), (23, 74854),

Gene: Littleton_133 Start: 73892, Stop: 74575, Start Num: 2
Candidate Starts for Littleton_133:
(1, 73874), (Start: 2 @73892 has 195 MA's), (7, 73979), (8, 74069), (9, 74144), (12, 74177), (13, 74180), (14, 74183), (20, 74309), (22, 74336), (23, 74339),

Gene: Loanshark_132 Start: 74423, Stop: 75106, Start Num: 2
Candidate Starts for Loanshark_132:
(1, 74405), (Start: 2 @74423 has 195 MA's), (7, 74510), (8, 74600), (9, 74675), (12, 74708), (13, 74711), (14, 74714), (20, 74840), (22, 74867), (23, 74870),

Gene: LolaVinca_133 Start: 74766, Stop: 75449, Start Num: 2
Candidate Starts for LolaVinca_133:
(1, 74748), (Start: 2 @74766 has 195 MA's), (7, 74853), (8, 74943), (9, 75018), (12, 75051), (13, 75054), (14, 75057), (20, 75183), (22, 75210), (23, 75213),

Gene: LookingGlass_133 Start: 74591, Stop: 75274, Start Num: 2
Candidate Starts for LookingGlass_133:
(1, 74573), (Start: 2 @74591 has 195 MA's), (7, 74678), (8, 74768), (9, 74843), (12, 74876), (13, 74879), (14, 74882), (20, 75008), (22, 75035), (23, 75038),

Gene: LordLeafolot_137 Start: 75732, Stop: 76415, Start Num: 2
Candidate Starts for LordLeafolot_137:

(1, 75714), (Start: 2 @75732 has 195 MA's), (7, 75819), (8, 75909), (9, 75984), (12, 76017), (13, 76020), (14, 76023), (20, 76149), (22, 76176), (23, 76179),

Gene: Lukilu_123 Start: 74808, Stop: 75491, Start Num: 2
Candidate Starts for Lukilu_123:
(1, 74790), (Start: 2 @74808 has 195 MA's), (7, 74895), (8, 74985), (9, 75060), (12, 75093), (13, 75096), (14, 75099), (20, 75225), (22, 75252), (23, 75255),

Gene: Lunareta_132 Start: 75688, Stop: 76371, Start Num: 2
Candidate Starts for Lunareta_132:
(1, 75670), (Start: 2 @75688 has 195 MA's), (7, 75775), (8, 75865), (9, 75940), (12, 75973), (13, 75976), (14, 75979), (20, 76105), (23, 76135),

Gene: Maby2021_133 Start: 74539, Stop: 75222, Start Num: 2
Candidate Starts for Maby2021_133:
(1, 74521), (Start: 2 @74539 has 195 MA's), (7, 74626), (8, 74716), (9, 74791), (12, 74824), (13, 74827), (20, 74956), (22, 74983), (23, 74986),

Gene: Maguvora_137 Start: 75120, Stop: 75803, Start Num: 2
Candidate Starts for Maguvora_137:
(1, 75102), (Start: 2 @75120 has 195 MA's), (7, 75207), (8, 75297), (9, 75372), (12, 75405), (13, 75408), (14, 75411), (20, 75537), (23, 75567),

Gene: Mangeria_133 Start: 74609, Stop: 75292, Start Num: 2
Candidate Starts for Mangeria_133:
(1, 74591), (Start: 2 @74609 has 195 MA's), (7, 74696), (8, 74786), (9, 74861), (12, 74894), (13, 74897), (14, 74900), (20, 75026), (22, 75053), (23, 75056),

Gene: Matsumoto_131 Start: 73400, Stop: 74083, Start Num: 2
Candidate Starts for Matsumoto_131:
(1, 73382), (Start: 2 @73400 has 195 MA's), (7, 73487), (8, 73577), (9, 73652), (12, 73685), (13, 73688), (14, 73691), (20, 73817), (22, 73844), (23, 73847),

Gene: Maturis_131 Start: 74184, Stop: 74867, Start Num: 2
Candidate Starts for Maturis_131:
(1, 74166), (Start: 2 @74184 has 195 MA's), (7, 74271), (8, 74361), (9, 74436), (12, 74469), (13, 74472), (14, 74475), (20, 74601), (23, 74631),

Gene: McGee_135 Start: 73154, Stop: 73837, Start Num: 2
Candidate Starts for McGee_135:
(1, 73136), (Start: 2 @73154 has 195 MA's), (7, 73241), (8, 73331), (9, 73406), (12, 73439), (13, 73442), (14, 73445), (20, 73571), (22, 73598), (23, 73601),

Gene: McWolfish_131 Start: 74328, Stop: 75011, Start Num: 2
Candidate Starts for McWolfish_131:
(1, 74310), (Start: 2 @74328 has 195 MA's), (7, 74415), (8, 74505), (9, 74580), (12, 74613), (13, 74616), (14, 74619), (20, 74745), (22, 74772), (23, 74775),

Gene: Megamind_132 Start: 74212, Stop: 74895, Start Num: 2
Candidate Starts for Megamind_132:
(1, 74194), (Start: 2 @74212 has 195 MA's), (7, 74299), (8, 74389), (9, 74464), (12, 74497), (13, 74500), (14, 74503), (20, 74629), (22, 74656), (23, 74659),

Gene: Melpomini_127 Start: 71678, Stop: 72361, Start Num: 2
Candidate Starts for Melpomini_127:
(1, 71660), (Start: 2 @71678 has 195 MA's), (7, 71765), (8, 71855), (9, 71930), (12, 71963), (13, 71966), (14, 71969), (20, 72095), (22, 72122), (23, 72125),

Gene: MikeLiesIn_134 Start: 74569, Stop: 75252, Start Num: 2
Candidate Starts for MikeLiesIn_134:
(1, 74551), (Start: 2 @74569 has 195 MA's), (7, 74656), (8, 74746), (9, 74821), (12, 74854), (13, 74857), (14, 74860), (20, 74986), (22, 75013), (23, 75016),

Gene: Mikro_130 Start: 75782, Stop: 76465, Start Num: 2
Candidate Starts for Mikro_130:
(1, 75764), (Start: 2 @75782 has 195 MA's), (7, 75869), (8, 75959), (9, 76034), (12, 76067), (13, 76070), (14, 76073), (20, 76199), (22, 76226), (23, 76229),

Gene: MoMoMixon_133 Start: 74045, Stop: 74728, Start Num: 2
Candidate Starts for MoMoMixon_133:
(1, 74027), (Start: 2 @74045 has 195 MA's), (7, 74132), (8, 74222), (9, 74297), (12, 74330), (13, 74333), (14, 74336), (20, 74462), (22, 74489), (23, 74492),

Gene: Moby_126 Start: 71383, Stop: 72066, Start Num: 2
Candidate Starts for Moby_126:
(1, 71365), (Start: 2 @71383 has 195 MA's), (7, 71470), (8, 71560), (9, 71635), (12, 71668), (13, 71671), (14, 71674), (20, 71800), (22, 71827), (23, 71830),

Gene: Moiqah_125 Start: 71360, Stop: 72043, Start Num: 2
Candidate Starts for Moiqah_125:
(1, 71342), (Start: 2 @71360 has 195 MA's), (7, 71447), (8, 71537), (9, 71612), (12, 71645), (13, 71648), (14, 71651), (20, 71777), (22, 71804), (23, 71807),

Gene: Momo_133 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for Momo_133:
(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: Montpel_132 Start: 75686, Stop: 76369, Start Num: 2
Candidate Starts for Montpel_132:
(1, 75668), (Start: 2 @75686 has 195 MA's), (7, 75773), (8, 75863), (9, 75938), (12, 75971), (13, 75974), (14, 75977), (20, 76103), (23, 76133),

Gene: Morizzled23_134 Start: 73918, Stop: 74601, Start Num: 2
Candidate Starts for Morizzled23_134:
(1, 73900), (Start: 2 @73918 has 195 MA's), (7, 74005), (8, 74095), (9, 74170), (12, 74203), (13, 74206), (14, 74209), (20, 74335), (22, 74362), (23, 74365),

Gene: Myrna_129 Start: 75631, Stop: 76353, Start Num: 2
Candidate Starts for Myrna_129:
(Start: 2 @75631 has 195 MA's), (3, 75670), (6, 75709), (11, 75898), (12, 75910), (13, 75913), (18, 76009), (26, 76120), (28, 76171),

Gene: Naija_133 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for Naija_133:

(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: Napoleon13_129 Start: 72116, Stop: 72799, Start Num: 2
Candidate Starts for Napoleon13_129:
(1, 72098), (Start: 2 @72116 has 195 MA's), (7, 72203), (8, 72293), (9, 72368), (12, 72401), (13, 72404), (14, 72407), (20, 72533), (22, 72560), (23, 72563),

Gene: Nappy_135 Start: 75479, Stop: 76162, Start Num: 2
Candidate Starts for Nappy_135:
(1, 75461), (Start: 2 @75479 has 195 MA's), (7, 75566), (8, 75656), (9, 75731), (12, 75764), (13, 75767), (14, 75770), (20, 75896), (22, 75923), (23, 75926),

Gene: Naval22_141 Start: 76012, Stop: 76695, Start Num: 2
Candidate Starts for Naval22_141:
(1, 75994), (Start: 2 @76012 has 195 MA's), (7, 76099), (8, 76189), (9, 76264), (12, 76297), (13, 76300), (14, 76303), (20, 76429), (22, 76456), (23, 76459),

Gene: NedWong_134 Start: 74546, Stop: 75229, Start Num: 2
Candidate Starts for NedWong_134:
(1, 74528), (Start: 2 @74546 has 195 MA's), (7, 74633), (8, 74723), (9, 74798), (12, 74831), (13, 74834), (20, 74963), (22, 74990), (23, 74993),

Gene: Ngannou_130 Start: 72545, Stop: 73228, Start Num: 2
Candidate Starts for Ngannou_130:
(1, 72527), (Start: 2 @72545 has 195 MA's), (7, 72632), (8, 72722), (9, 72797), (12, 72830), (13, 72833), (14, 72836), (20, 72962), (22, 72989), (23, 72992),

Gene: Nidhogg_135 Start: 74769, Stop: 75452, Start Num: 2
Candidate Starts for Nidhogg_135:
(1, 74751), (Start: 2 @74769 has 195 MA's), (7, 74856), (8, 74946), (9, 75021), (12, 75054), (13, 75057), (20, 75186), (22, 75213), (23, 75216),

Gene: NoodleTree_140 Start: 74639, Stop: 75322, Start Num: 2
Candidate Starts for NoodleTree_140:
(1, 74621), (Start: 2 @74639 has 195 MA's), (7, 74726), (8, 74816), (9, 74891), (12, 74924), (13, 74927), (14, 74930), (20, 75056), (22, 75083), (23, 75086),

Gene: Norm_134 Start: 75241, Stop: 75924, Start Num: 2
Candidate Starts for Norm_134:
(1, 75223), (Start: 2 @75241 has 195 MA's), (7, 75328), (8, 75418), (9, 75493), (12, 75526), (13, 75529), (20, 75658), (22, 75685), (23, 75688),

Gene: NuevoMundo_138 Start: 76821, Stop: 77504, Start Num: 2
Candidate Starts for NuevoMundo_138:
(1, 76803), (Start: 2 @76821 has 195 MA's), (7, 76908), (8, 76998), (9, 77073), (12, 77106), (13, 77109), (14, 77112), (20, 77238), (22, 77265), (23, 77268),

Gene: OrediggerDelux_136 Start: 75076, Stop: 75759, Start Num: 2
Candidate Starts for OrediggerDelux_136:
(1, 75058), (Start: 2 @75076 has 195 MA's), (7, 75163), (8, 75253), (9, 75328), (12, 75361), (13, 75364), (20, 75493), (22, 75520), (23, 75523),

Gene: ParkTD_134 Start: 74552, Stop: 75235, Start Num: 2
Candidate Starts for ParkTD_134:
(1, 74534), (Start: 2 @74552 has 195 MA's), (7, 74639), (8, 74729), (9, 74804), (12, 74837), (13, 74840), (20, 74969), (22, 74996), (23, 74999),

Gene: Patter_134 Start: 73580, Stop: 74263, Start Num: 2
Candidate Starts for Patter_134:
(1, 73562), (Start: 2 @73580 has 195 MA's), (7, 73667), (8, 73757), (9, 73832), (12, 73865), (13, 73868), (14, 73871), (20, 73997), (22, 74024), (23, 74027),

Gene: Phabba_134 Start: 74628, Stop: 75344, Start Num: 2
Candidate Starts for Phabba_134:
(Start: 2 @74628 has 195 MA's), (3, 74670), (6, 74709), (10, 74886), (11, 74898), (12, 74910), (13, 74913), (17, 74991), (18, 75009), (21, 75048), (26, 75120), (28, 75171),

Gene: PharkleMinkus_136 Start: 74880, Stop: 75563, Start Num: 2
Candidate Starts for PharkleMinkus_136:
(1, 74862), (Start: 2 @74880 has 195 MA's), (7, 74967), (8, 75057), (9, 75132), (12, 75165), (13, 75168), (14, 75171), (20, 75297), (22, 75324), (23, 75327),

Gene: Phlegm_137 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for Phlegm_137:
(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: Phox_130 Start: 74832, Stop: 75515, Start Num: 2
Candidate Starts for Phox_130:
(1, 74814), (Start: 2 @74832 has 195 MA's), (7, 74919), (8, 75009), (9, 75084), (12, 75117), (13, 75120), (14, 75123), (20, 75249), (22, 75276), (23, 75279),

Gene: Phusco_133 Start: 73839, Stop: 74522, Start Num: 2
Candidate Starts for Phusco_133:
(1, 73821), (Start: 2 @73839 has 195 MA's), (7, 73926), (8, 74016), (9, 74091), (12, 74124), (13, 74127), (14, 74130), (20, 74256), (22, 74283), (23, 74286),

Gene: Pier_137 Start: 76829, Stop: 77512, Start Num: 2
Candidate Starts for Pier_137:
(1, 76811), (Start: 2 @76829 has 195 MA's), (7, 76916), (8, 77006), (9, 77081), (12, 77114), (13, 77117), (14, 77120), (20, 77246), (22, 77273), (23, 77276),

Gene: Pinkcreek_124 Start: 72173, Stop: 72856, Start Num: 2
Candidate Starts for Pinkcreek_124:
(1, 72155), (Start: 2 @72173 has 195 MA's), (7, 72260), (8, 72350), (9, 72425), (12, 72458), (13, 72461), (14, 72464), (20, 72590), (22, 72617), (23, 72620),

Gene: Pio_137 Start: 76441, Stop: 77124, Start Num: 2
Candidate Starts for Pio_137:
(1, 76423), (Start: 2 @76441 has 195 MA's), (7, 76528), (8, 76618), (9, 76693), (12, 76726), (13, 76729), (14, 76732), (20, 76858), (22, 76885), (23, 76888),

Gene: Pivoine_133 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for Pivoine_133:

(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: Pleione_136 Start: 74719, Stop: 75402, Start Num: 2
Candidate Starts for Pleione_136:
(1, 74701), (Start: 2 @74719 has 195 MA's), (7, 74806), (8, 74896), (9, 74971), (12, 75004), (13, 75007), (14, 75010), (20, 75136), (22, 75163), (23, 75166),

Gene: Primadonna_127 Start: 73204, Stop: 73887, Start Num: 2
Candidate Starts for Primadonna_127:
(1, 73186), (Start: 2 @73204 has 195 MA's), (7, 73291), (8, 73381), (9, 73456), (12, 73489), (13, 73492), (14, 73495), (20, 73621), (23, 73651),

Gene: Puhon_136 Start: 75068, Stop: 75751, Start Num: 2
Candidate Starts for Puhon_136:
(1, 75050), (Start: 2 @75068 has 195 MA's), (7, 75155), (8, 75245), (9, 75320), (12, 75353), (13, 75356), (14, 75359), (20, 75485), (22, 75512), (23, 75515),

Gene: Pupusa_139 Start: 75921, Stop: 76604, Start Num: 2
Candidate Starts for Pupusa_139:
(1, 75903), (Start: 2 @75921 has 195 MA's), (7, 76008), (8, 76098), (9, 76173), (12, 76206), (13, 76209), (14, 76212), (20, 76338), (22, 76365), (23, 76368),

Gene: PurduePete_133 Start: 74966, Stop: 75649, Start Num: 2
Candidate Starts for PurduePete_133:
(1, 74948), (Start: 2 @74966 has 195 MA's), (7, 75053), (8, 75143), (9, 75218), (12, 75251), (13, 75254), (14, 75257), (20, 75383), (22, 75410), (23, 75413),

Gene: QBert_127 Start: 73556, Stop: 74239, Start Num: 2
Candidate Starts for QBert_127:
(1, 73538), (Start: 2 @73556 has 195 MA's), (7, 73643), (8, 73733), (9, 73808), (12, 73841), (13, 73844), (14, 73847), (20, 73973), (22, 74000), (23, 74003),

Gene: Quasimodo_135 Start: 74980, Stop: 75663, Start Num: 2
Candidate Starts for Quasimodo_135:
(1, 74962), (Start: 2 @74980 has 195 MA's), (7, 75067), (8, 75157), (9, 75232), (12, 75265), (13, 75268), (14, 75271), (20, 75397), (22, 75424), (23, 75427),

Gene: Rabinovish_132 Start: 75164, Stop: 75847, Start Num: 2
Candidate Starts for Rabinovish_132:
(1, 75146), (Start: 2 @75164 has 195 MA's), (7, 75251), (8, 75341), (9, 75416), (12, 75449), (13, 75452), (14, 75455), (20, 75581), (22, 75608), (23, 75611),

Gene: Rahel_132 Start: 73441, Stop: 74124, Start Num: 2
Candidate Starts for Rahel_132:
(1, 73423), (Start: 2 @73441 has 195 MA's), (7, 73528), (8, 73618), (9, 73693), (12, 73726), (13, 73729), (14, 73732), (20, 73858), (22, 73885), (23, 73888),

Gene: Rizal_128 Start: 72589, Stop: 73272, Start Num: 2
Candidate Starts for Rizal_128:
(1, 72571), (Start: 2 @72589 has 195 MA's), (7, 72676), (8, 72766), (9, 72841), (12, 72874), (13, 72877), (14, 72880), (20, 73006), (22, 73033), (23, 73036),

Gene: RoMag_128 Start: 73753, Stop: 74436, Start Num: 2
Candidate Starts for RoMag_128:
(1, 73735), (Start: 2 @73753 has 195 MA's), (7, 73840), (8, 73930), (9, 74005), (12, 74038), (13, 74041), (14, 74044), (20, 74170), (22, 74197), (23, 74200),

Gene: Rocha_131 Start: 74006, Stop: 74689, Start Num: 2
Candidate Starts for Rocha_131:
(1, 73988), (Start: 2 @74006 has 195 MA's), (7, 74093), (8, 74183), (9, 74258), (12, 74291), (13, 74294), (14, 74297), (20, 74423), (22, 74450), (23, 74453),

Gene: Ronan_127 Start: 71702, Stop: 72385, Start Num: 2
Candidate Starts for Ronan_127:
(1, 71684), (Start: 2 @71702 has 195 MA's), (7, 71789), (8, 71879), (9, 71954), (12, 71987), (13, 71990), (14, 71993), (20, 72119), (22, 72146), (23, 72149),

Gene: Roots515_132 Start: 75218, Stop: 75901, Start Num: 2
Candidate Starts for Roots515_132:
(1, 75200), (Start: 2 @75218 has 195 MA's), (7, 75305), (8, 75395), (9, 75470), (12, 75503), (13, 75506), (14, 75509), (20, 75635), (22, 75662), (23, 75665),

Gene: SVoro_131 Start: 74926, Stop: 75609, Start Num: 2
Candidate Starts for SVoro_131:
(1, 74908), (Start: 2 @74926 has 195 MA's), (7, 75013), (8, 75103), (9, 75178), (12, 75211), (13, 75214), (14, 75217), (20, 75343), (22, 75370), (23, 75373),

Gene: Salacia_137 Start: 74880, Stop: 75563, Start Num: 2
Candidate Starts for Salacia_137:
(1, 74862), (Start: 2 @74880 has 195 MA's), (7, 74967), (8, 75057), (9, 75132), (12, 75165), (13, 75168), (20, 75297), (22, 75324), (23, 75327),

Gene: Sauce_133 Start: 73496, Stop: 74179, Start Num: 2
Candidate Starts for Sauce_133:
(1, 73478), (Start: 2 @73496 has 195 MA's), (7, 73583), (8, 73673), (9, 73748), (12, 73781), (13, 73784), (14, 73787), (20, 73913), (22, 73940), (23, 73943),

Gene: ScoobyDoobyDoo_125 Start: 74272, Stop: 74976, Start Num: 2
Candidate Starts for ScoobyDoobyDoo_125:
(Start: 2 @74272 has 195 MA's), (10, 74524), (12, 74548), (13, 74551), (19, 74656), (20, 74680), (25, 74737), (28, 74809), (29, 74812), (33, 74944),

Gene: ScottMcG_129 Start: 73502, Stop: 74185, Start Num: 2
Candidate Starts for ScottMcG_129:
(1, 73484), (Start: 2 @73502 has 195 MA's), (7, 73589), (8, 73679), (9, 73754), (12, 73787), (13, 73790), (14, 73793), (20, 73919), (22, 73946), (23, 73949),

Gene: Sebata_133 Start: 74965, Stop: 75648, Start Num: 2
Candidate Starts for Sebata_133:
(1, 74947), (Start: 2 @74965 has 195 MA's), (7, 75052), (8, 75142), (9, 75217), (12, 75250), (13, 75253), (14, 75256), (20, 75382), (22, 75409), (23, 75412),

Gene: Shaqnato_126 Start: 72546, Stop: 73229, Start Num: 2
Candidate Starts for Shaqnato_126:

(1, 72528), (Start: 2 @72546 has 195 MA's), (7, 72633), (8, 72723), (9, 72798), (12, 72831), (13, 72834), (14, 72837), (20, 72963), (22, 72990), (23, 72993),

Gene: Shelob_135 Start: 75348, Stop: 76031, Start Num: 2
Candidate Starts for Shelob_135:
(1, 75330), (Start: 2 @75348 has 195 MA's), (7, 75435), (8, 75525), (9, 75600), (12, 75633), (13, 75636), (20, 75765), (22, 75792), (23, 75795),

Gene: ShiaLabeouf_132 Start: 73876, Stop: 74559, Start Num: 2
Candidate Starts for ShiaLabeouf_132:
(1, 73858), (Start: 2 @73876 has 195 MA's), (7, 73963), (8, 74053), (9, 74128), (12, 74161), (13, 74164), (14, 74167), (20, 74293), (22, 74320), (23, 74323),

Gene: Shifa_122 Start: 72772, Stop: 73455, Start Num: 2
Candidate Starts for Shifa_122:
(1, 72754), (Start: 2 @72772 has 195 MA's), (7, 72859), (8, 72949), (9, 73024), (12, 73057), (13, 73060), (14, 73063), (20, 73189), (22, 73216), (23, 73219),

Gene: Shnickers_133 Start: 73840, Stop: 74523, Start Num: 2
Candidate Starts for Shnickers_133:
(1, 73822), (Start: 2 @73840 has 195 MA's), (7, 73927), (8, 74017), (9, 74092), (12, 74125), (13, 74128), (14, 74131), (20, 74257), (22, 74284), (23, 74287),

Gene: Shrimp_133 Start: 74560, Stop: 75243, Start Num: 2
Candidate Starts for Shrimp_133:
(1, 74542), (Start: 2 @74560 has 195 MA's), (7, 74647), (8, 74737), (9, 74812), (12, 74845), (13, 74848), (14, 74851), (20, 74977), (22, 75004), (23, 75007),

Gene: SilverDipper_135 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for SilverDipper_135:
(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: SiwenD96_134 Start: 75007, Stop: 75690, Start Num: 2
Candidate Starts for SiwenD96_134:
(1, 74989), (Start: 2 @75007 has 195 MA's), (7, 75094), (8, 75184), (9, 75259), (12, 75292), (13, 75295), (14, 75298), (20, 75424), (22, 75451), (23, 75454),

Gene: SmallFry_133 Start: 73065, Stop: 73748, Start Num: 2
Candidate Starts for SmallFry_133:
(1, 73047), (Start: 2 @73065 has 195 MA's), (7, 73152), (8, 73242), (9, 73317), (12, 73350), (13, 73353), (14, 73356), (20, 73482), (22, 73509), (23, 73512),

Gene: SoilZilla_129 Start: 73839, Stop: 74522, Start Num: 2
Candidate Starts for SoilZilla_129:
(1, 73821), (Start: 2 @73839 has 195 MA's), (7, 73926), (8, 74016), (9, 74091), (12, 74124), (13, 74127), (14, 74130), (20, 74256), (22, 74283), (23, 74286),

Gene: Spec_130 Start: 73605, Stop: 74288, Start Num: 2
Candidate Starts for Spec_130:
(1, 73587), (Start: 2 @73605 has 195 MA's), (7, 73692), (8, 73782), (9, 73857), (12, 73890), (13, 73893), (14, 73896), (20, 74022), (22, 74049), (23, 74052),

Gene: Specks_138 Start: 75730, Stop: 76413, Start Num: 2
Candidate Starts for Specks_138:
(1, 75712), (Start: 2 @75730 has 195 MA's), (7, 75817), (8, 75907), (9, 75982), (12, 76015), (13, 76018), (14, 76021), (20, 76147), (23, 76177),

Gene: Sprinklers_129 Start: 73121, Stop: 73804, Start Num: 2
Candidate Starts for Sprinklers_129:
(1, 73103), (Start: 2 @73121 has 195 MA's), (7, 73208), (8, 73298), (9, 73373), (12, 73406), (13, 73409), (14, 73412), (20, 73538), (22, 73565), (23, 73568),

Gene: Spud_132 Start: 74626, Stop: 75309, Start Num: 2
Candidate Starts for Spud_132:
(1, 74608), (Start: 2 @74626 has 195 MA's), (7, 74713), (8, 74803), (9, 74878), (12, 74911), (13, 74914), (14, 74917), (20, 75043), (22, 75070), (23, 75073),

Gene: SrishMeg2525_132 Start: 74648, Stop: 75331, Start Num: 2
Candidate Starts for SrishMeg2525_132:
(1, 74630), (Start: 2 @74648 has 195 MA's), (7, 74735), (8, 74825), (9, 74900), (12, 74933), (13, 74936), (20, 75065), (22, 75092), (23, 75095),

Gene: StephanieG_131 Start: 75458, Stop: 76141, Start Num: 2
Candidate Starts for StephanieG_131:
(1, 75440), (Start: 2 @75458 has 195 MA's), (7, 75545), (8, 75635), (9, 75710), (12, 75743), (13, 75746), (14, 75749), (20, 75875), (22, 75902), (23, 75905),

Gene: Stubby_126 Start: 73088, Stop: 73771, Start Num: 2
Candidate Starts for Stubby_126:
(1, 73070), (Start: 2 @73088 has 195 MA's), (7, 73175), (8, 73265), (9, 73340), (12, 73373), (13, 73376), (14, 73379), (20, 73505), (22, 73532), (23, 73535),

Gene: StubbySaigey_137 Start: 73723, Stop: 74406, Start Num: 2
Candidate Starts for StubbySaigey_137:
(1, 73705), (Start: 2 @73723 has 195 MA's), (7, 73810), (8, 73900), (9, 73975), (12, 74008), (13, 74011), (14, 74014), (20, 74140), (22, 74167), (23, 74170),

Gene: Substance289_131 Start: 73358, Stop: 74041, Start Num: 2
Candidate Starts for Substance289_131:
(1, 73340), (Start: 2 @73358 has 195 MA's), (7, 73445), (8, 73535), (9, 73610), (12, 73643), (13, 73646), (14, 73649), (20, 73775), (22, 73802), (23, 73805),

Gene: Tainan_136 Start: 75053, Stop: 75736, Start Num: 2
Candidate Starts for Tainan_136:
(1, 75035), (Start: 2 @75053 has 195 MA's), (7, 75140), (8, 75230), (9, 75305), (12, 75338), (13, 75341), (14, 75344), (20, 75470), (22, 75497), (23, 75500),

Gene: Teardrop_132 Start: 73054, Stop: 73737, Start Num: 2
Candidate Starts for Teardrop_132:
(1, 73036), (Start: 2 @73054 has 195 MA's), (7, 73141), (8, 73231), (9, 73306), (12, 73339), (13, 73342), (14, 73345), (20, 73471), (23, 73501),

Gene: TinyTim_133 Start: 74306, Stop: 74989, Start Num: 2
Candidate Starts for TinyTim_133:

(1, 74288), (Start: 2 @74306 has 195 MA's), (7, 74393), (8, 74483), (9, 74558), (12, 74591), (13, 74594), (20, 74723), (22, 74750), (23, 74753),

Gene: Tonenili_146 Start: 77069, Stop: 77746, Start Num: 2
Candidate Starts for Tonenili_146:
(1, 77057), (Start: 2 @77069 has 195 MA's), (8, 77243), (9, 77318), (12, 77351), (13, 77354), (14, 77357), (16, 77378), (20, 77483), (21, 77489), (22, 77510), (23, 77513), (31, 77663),

Gene: Tortoise16_130 Start: 73665, Stop: 74348, Start Num: 2
Candidate Starts for Tortoise16_130:
(1, 73647), (Start: 2 @73665 has 195 MA's), (7, 73752), (8, 73842), (9, 73917), (12, 73950), (13, 73953), (14, 73956), (20, 74082), (22, 74109), (23, 74112),

Gene: Trinitium_131 Start: 73489, Stop: 74172, Start Num: 2
Candidate Starts for Trinitium_131:
(1, 73471), (Start: 2 @73489 has 195 MA's), (7, 73576), (8, 73666), (9, 73741), (12, 73774), (13, 73777), (14, 73780), (20, 73906), (22, 73933), (23, 73936),

Gene: Turret_129 Start: 72934, Stop: 73617, Start Num: 2
Candidate Starts for Turret_129:
(1, 72916), (Start: 2 @72934 has 195 MA's), (7, 73021), (8, 73111), (9, 73186), (12, 73219), (13, 73222), (14, 73225), (20, 73351), (22, 73378), (23, 73381),

Gene: Tyke_133 Start: 74961, Stop: 75644, Start Num: 2
Candidate Starts for Tyke_133:
(1, 74943), (Start: 2 @74961 has 195 MA's), (8, 75138), (9, 75213), (12, 75246), (13, 75249), (14, 75252), (20, 75378), (22, 75405), (23, 75408),

Gene: ValleyTerrace_134 Start: 73563, Stop: 74246, Start Num: 2
Candidate Starts for ValleyTerrace_134:
(1, 73545), (Start: 2 @73563 has 195 MA's), (7, 73650), (8, 73740), (9, 73815), (12, 73848), (13, 73851), (14, 73854), (20, 73980), (22, 74007), (23, 74010),

Gene: Vortrix_145 Start: 76382, Stop: 77059, Start Num: 2
Candidate Starts for Vortrix_145:
(1, 76370), (Start: 2 @76382 has 195 MA's), (8, 76556), (9, 76631), (11, 76652), (12, 76664), (13, 76667), (14, 76670), (15, 76685), (16, 76691), (20, 76796), (21, 76802), (22, 76823), (23, 76826), (24, 76841), (31, 76976),

Gene: Wally_132 Start: 73084, Stop: 73767, Start Num: 2
Candidate Starts for Wally_132:
(1, 73066), (Start: 2 @73084 has 195 MA's), (7, 73171), (8, 73261), (9, 73336), (12, 73369), (13, 73372), (14, 73375), (20, 73501), (22, 73528), (23, 73531),

Gene: Willis_134 Start: 74451, Stop: 75134, Start Num: 2
Candidate Starts for Willis_134:
(1, 74433), (Start: 2 @74451 has 195 MA's), (7, 74538), (8, 74628), (9, 74703), (12, 74736), (13, 74739), (14, 74742), (20, 74868), (22, 74895), (23, 74898),

Gene: Yassified_130 Start: 73161, Stop: 73844, Start Num: 2
Candidate Starts for Yassified_130:
(1, 73143), (Start: 2 @73161 has 195 MA's), (7, 73248), (8, 73338), (9, 73413), (12, 73446), (13, 73449), (14, 73452), (20, 73578), (22, 73605), (23, 73608),

Gene: YemiJoy2021_134 Start: 74543, Stop: 75226, Start Num: 2
Candidate Starts for YemiJoy2021_134:
(1, 74525), (Start: 2 @74543 has 195 MA's), (7, 74630), (8, 74720), (9, 74795), (12, 74828), (13, 74831), (20, 74960), (22, 74987), (23, 74990),

Gene: YoungMoneyMata_135 Start: 74189, Stop: 74872, Start Num: 2
Candidate Starts for YoungMoneyMata_135:
(1, 74171), (Start: 2 @74189 has 195 MA's), (7, 74276), (8, 74366), (9, 74441), (12, 74474), (13, 74477), (14, 74480), (20, 74606), (22, 74633), (23, 74636),

Gene: Yucca_132 Start: 74225, Stop: 74908, Start Num: 2
Candidate Starts for Yucca_132:
(1, 74207), (Start: 2 @74225 has 195 MA's), (7, 74312), (8, 74402), (9, 74477), (12, 74510), (13, 74513), (20, 74642), (22, 74669), (23, 74672),

Gene: Zalkecks_134 Start: 74226, Stop: 74909, Start Num: 2
Candidate Starts for Zalkecks_134:
(1, 74208), (Start: 2 @74226 has 195 MA's), (7, 74313), (8, 74403), (9, 74478), (12, 74511), (13, 74514), (20, 74643), (22, 74670), (23, 74673),

Gene: Zeenon_134 Start: 74311, Stop: 74994, Start Num: 2
Candidate Starts for Zeenon_134:
(1, 74293), (Start: 2 @74311 has 195 MA's), (7, 74398), (8, 74488), (9, 74563), (12, 74596), (13, 74599), (20, 74728), (22, 74755), (23, 74758),

Gene: ZygoTaiga_131 Start: 75471, Stop: 76154, Start Num: 2
Candidate Starts for ZygoTaiga_131:
(1, 75453), (Start: 2 @75471 has 195 MA's), (7, 75558), (8, 75648), (9, 75723), (12, 75756), (13, 75759), (20, 75888), (22, 75915), (23, 75918),