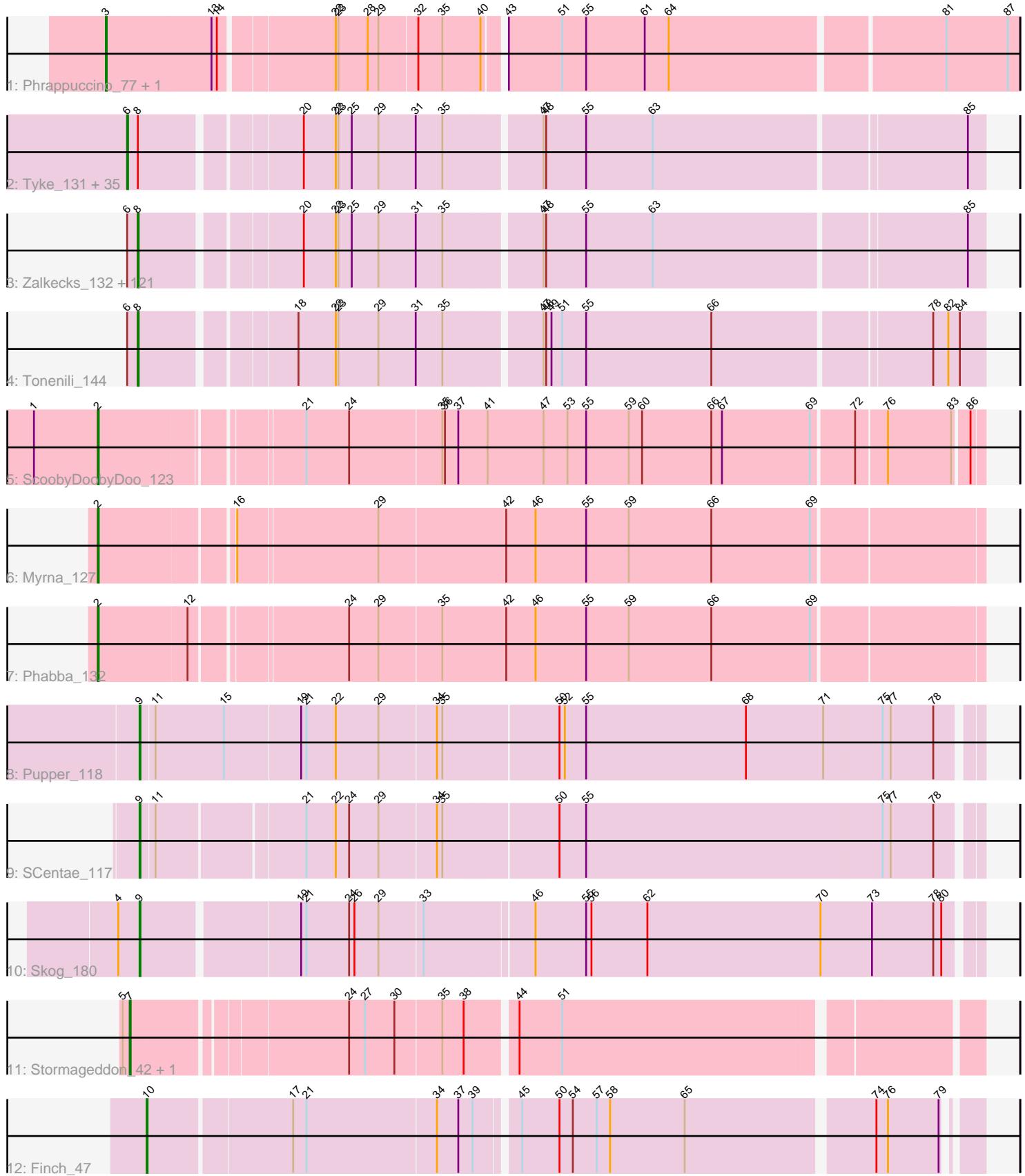


Pham 84989



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 84989 Report

This analysis was run 04/05/24 on database version 557.

Pham number 84989 has 170 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Phrappuccino_77, Settecandela_77
- Track 2 : Tyke_131, Blackbrain_127, Yucca_130, Quasimodo_133, Wally_130, BackyardAgain_128, YoungMoneyMata_133, Littleton_131, Pier_135, Pleione_133, Alice_124, Ghost_130, Drazdys_128, Jedediah_134, ET08_119, Kboogie_135, ChaylaJr_127, LifeSavor_129, Roots515_130, Babyland_133, Gizmo_136, Shrimp_131, Willis_132, JPickles_128, Daffodil_136, Breenieme_130, I3_136, Shifa_120, Megamind_130, McGee_133, EasyJones_134, NoodleTree_138, Bread_130, Salacia_135, ErnieJ_125, Delylah_134
- Track 3 : Zalkecks_132, Iota_126, StubbySaigey_135, Gabriel_131, Dandelion_135, Chargie21_128, Bigswole_134, Erdmann_131, Ngannou_128, Pinkcreek_122, Lukilu_121, Cactojaque_127, Sebata_130, FudgeTart_129, Colt_123, Maby2021_131, Grungle_118, LinStu_129, DrPhinkDaddy_130, Momo_131, EmToTheThree_133, TinyTim_131, Guwapp_130, QBert_125, ValleyTerrace_132, Bonray_132, Jemmnno_131, LRRHood_124, JustHall_129, Ewok_132, Bxz1_127, Jaygup_131, Rabinovich_130, Shnickers_131, Sprinklers_127, ShiaLabeouf_130, CindyLou_133, Atlantean_131, Specks_136, Morizzled23_132, Pivoine_131, DTDevon_131, IkeLoa_125, Bangla1971_132, Kamryn_131, Melpomini_125, BadAgartude_127, Shaqnato_124, Loanshark_130, Nappy_132, CharlieB_128, Jessibeth14_130, Shelob_133, SrishMeg2525_130, Ronan_125, ParkTD_132, Izajani_131, Tortoise16_128, Caravan_125, Adlitam_132, Yassified_128, Cane17_123, McWolfish_129, Astraea_127, Stubby_124, SilverDipper_133, Gamgam_132, Nidhogg_133, Teardrop_130, NedWong_132, LolaVinca_131, Basquiat_128, Spud_130, Ading_131, Burrough_131, ChickenPhender_127, RoMag_126, Janiyra_134, Cali_126, Flabslab_126, YemiJoy2021_132, Darko_131, Capablanca_134, Amataga_132, MoMoMixon_130, Phlegm_135, ZygoTaiga_129, Derek_130, Bipolarisk_130, Dietrick_123, MikeLiesIn_132, Sauce_131, Rizal_126, Zeenon_131, Patter_132, Latch_132, Naija_131, Fludd_132, Audrick_134, Trinitium_129, SmallFry_131, HyRo_122, Khaleesi_130, Rahel_130, Norm_132, BeanWater_123, ArcherS7_130, Delilah_131, FoxtrotP1_131, Ava3_132, PurduePete_131, InigoMontoya_134, Pio_135, Napoleon13_127, Turret_127, Essence_128, Phusco_131, Koguma_128, Catera_126, FrayBell_136, EmmaElysia_132, Phox_128
- Track 4 : Tonenili_144
- Track 5 : ScoobyDoobyDoo_123
- Track 6 : Myrna_127
- Track 7 : Phabba_132
- Track 8 : Pupper_118

- Track 9 : SCentae_117
- Track 10 : Skog_180
- Track 11 : Stormageddon_42, RedWattleHog_45
- Track 12 : Finch_47

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

The start number called the most often in the published annotations is 8, it was called in 123 of the 170 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_131, Adlitam_132, Amataga_132, ArcherS7_130, Astraea_127, Atlantean_131, Audrick_134, Ava3_132, BadAgartude_127, Bangla1971_132, Basquiat_128, BeanWater_123, Bigswole_134, Bipolarisk_130, Bonray_132, Burrough_131, Bxz1_127, Cactojaque_127, Cali_126, Cane17_123, Capablanca_134, Caravan_125, Catera_126, Charge21_128, CharlieB_128, ChickenPhender_127, CindyLou_133, Colt_123, DTDevon_131, Dandelion_135, Darko_131, Delilah_131, Derek_130, Dietrick_123, DrPhinkDaddy_130, EmToTheThree_133, EmmaElysia_132, Erdmann_131, Essence_128, Ewok_132, Flabslab_126, Fludd_132, FoxtrotP1_131, FrayBell_136, FudgeTart_129, Gabriel_131, Gamgam_132, Grungle_118, Guwapp_130, HyRo_122, IkeLoa_125, InigoMontoya_134, Iota_126, Izajani_131, Janiyra_134, Jaygup_131, Jemmno_131, Jessibeth14_130, JustHall_129, Kamryn_131, Khaleesi_130, Koguma_128, LRRHood_124, Latch_132, LinStu_129, Loanshark_130, LolaVinca_131, Lukilu_121, Maby2021_131, McWolfish_129, Melpomini_125, MikeLiesIn_132, MoMoMixon_130, Momo_131, Morizzled23_132, Naija_131, Napoleon13_127, Nappy_132, NedWong_132, Ngannou_128, Nidhogg_133, Norm_132, ParkTD_132, Patter_132, Phlegm_135, Phox_128, Phusco_131, Pinkcreek_122, Pio_135, Pivoine_131, PurduePete_131, QBert_125, Rabinovish_130, Rahel_130, Rizal_126, RoMag_126, Ronan_125, Sauce_131, Sebata_130, Shaqnato_124, Shelob_133, ShiaLabeouf_130, Shnickers_131, SilverDipper_133, SmallFry_131, Specks_136, Sprinklers_127, Spud_130, SrishMeg2525_130, StubbySaigey_135, Stubby_124, Teardrop_130, TinyTim_131, Tonenili_144, Tortoise16_128, Trinitium_129, Turret_127, ValleyTerrace_132, Yassified_128, YemiJoy2021_132, Zalkecks_132, Zeenon_131, ZygoTaiga_129,

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

- Alice_124, Babyland_133, BackyardAgain_128, Blackbrain_127, Bread_130, Breeniome_130, ChaylaJr_127, Daffodil_136, Delylah_134, Drazdys_128, ET08_119, EasyJones_134, ErnieJ_125, Ghost_130, Gizmo_136, I3_136, JPickles_128, Jedediah_134, Kboogie_135, LifeSavor_129, Littleton_131, McGee_133, Megamind_130, NoodleTree_138, Pier_135, Pleione_133, Quasimodo_133, Roots515_130, Salacia_135, Shifa_120, Shrimp_131, Tyke_131, Wally_130, Willis_132, YoungMoneyMata_133, Yucca_130,

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

- Finch_47, Myrna_127, Phabba_132, Phrappuccino_77, Pupper_118, RedWattleHog_45, SCentae_117, ScoobyDoobyDoo_123, Settecandela_77, Skog_180, Stormageddon_42,

Summary by start number:

Start 2:

- Found in 3 of 170 (1.8%) of genes in pham
- Manual Annotations of this start: 3 of 170
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Myrna_127 (C2), Phabba_132 (C2), ScoobyDoobyDoo_123 (C2),

Start 3:

- Found in 2 of 170 (1.2%) of genes in pham
- Manual Annotations of this start: 2 of 170
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phrappuccino_77 (AA), Settecandela_77 (AA),

Start 6:

- Found in 159 of 170 (93.5%) of genes in pham
- Manual Annotations of this start: 36 of 170
- Called 22.6% of time when present
- Phage (with cluster) where this start called: Alice_124 (C1), Babyland_133 (C1), BackyardAgain_128 (C1), Blackbrain_127 (C1), Bread_130 (C1), Breenieme_130 (C1), ChaylaJr_127 (C1), Daffodil_136 (C1), Delylah_134 (C1), Drazdys_128 (C1), ET08_119 (C1), EasyJones_134 (C1), ErnieJ_125 (C1), Ghost_130 (C1), Gizmo_136 (C1), I3_136 (C1), JPickles_128 (C1), Jedediah_134 (C1), Kboogie_135 (C1), LifeSavor_129 (C1), Littleton_131 (C1), McGee_133 (C1), Megamind_130 (C1), NoodleTree_138 (C1), Pier_135 (C1), Pleione_133 (C1), Quasimodo_133 (C1), Roots515_130 (C1), Salacia_135 (C1), Shifa_120 (C1), Shrimp_131 (C1), Tyke_131 (C1), Wally_130 (C1), Willis_132 (C1), YoungMoneyMata_133 (C1), Yucca_130 (C1),

Start 7:

- Found in 2 of 170 (1.2%) of genes in pham
- Manual Annotations of this start: 2 of 170
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RedWattleHog_45 (DX), Stormageddon_42 (DX),

Start 8:

- Found in 159 of 170 (93.5%) of genes in pham
- Manual Annotations of this start: 123 of 170
- Called 77.4% of time when present
- Phage (with cluster) where this start called: Ading_131 (C1), Adlitam_132 (C1), Amataga_132 (C1), ArcherS7_130 (C1), Astraea_127 (C1), Atlantean_131 (C1), Audrick_134 (C1), Ava3_132 (C1), BadAgartude_127 (C1), Bangla1971_132 (C1), Basquiat_128 (C1), BeanWater_123 (C1), Bigswole_134 (C1), Bipolarisk_130 (C1), Bonray_132 (C1), Burrough_131 (C1), Bxz1_127 (C1), Cactojaque_127 (C1), Cali_126 (C1), Cane17_123 (C1), Capablanca_134 (C1), Caravan_125 (C1), Catera_126 (C1), Chargie21_128 (C1), CharlieB_128 (C1), ChickenPhender_127 (C1), CindyLou_133 (C1), Colt_123 (C1), DTDevon_131 (C1), Dandelion_135 (C1), Darko_131 (C1), Delilah_131 (C1), Derek_130 (C1), Dietrick_123 (C1), DrPhinkDaddy_130 (C1), EmToTheThree_133 (C1), EmmaElysia_132 (C1), Erdmann_131 (C1), Essence_128 (C1), Ewok_132 (C1), Flabslab_126 (C1), Fludd_132 (C1), FoxtrotP1_131 (C1), FrayBell_136 (C1), FudgeTart_129 (C1),

Gabriel_131 (C1), Gamgam_132 (C1), Grungle_118 (C1), Guwapp_130 (C1), HyRo_122 (C1), IkeLoa_125 (C1), InigoMontoya_134 (C1), Iota_126 (C1), Izajani_131 (C1), Janiyra_134 (C1), Jaygup_131 (C1), Jemmno_131 (C1), Jessibeth14_130 (C1), JustHall_129 (C1), Kamryn_131 (C1), Khaleesi_130 (C1), Koguma_128 (C1), LRRHood_124 (C1), Latch_132 (C1), LinStu_129 (C1), Loanshark_130 (C1), LolaVinca_131 (C1), Lukilu_121 (C1), Maby2021_131 (C1), McWolfish_129 (C1), Melpomini_125 (C1), MikeLiesln_132 (C1), MoMoMixon_130 (C1), Momo_131 (C1), Morizzled23_132 (C1), Naija_131 (C1), Napoleon13_127 (C1), Nappy_132 (C1), NedWong_132 (C1), Ngannou_128 (C1), Nidhogg_133 (C1), Norm_132 (C1), ParkTD_132 (C1), Patter_132 (C1), Phlegm_135 (C1), Phox_128 (C1), Phusco_131 (C1), Pinkcreek_122 (C1), Pio_135 (C1), Pivoine_131 (C1), PurduePete_131 (C1), QBert_125 (C1), Rabinovich_130 (C1), Rahel_130 (C1), Rizal_126 (C1), RoMag_126 (C1), Ronan_125 (C1), Sauce_131 (C1), Sebata_130 (C1), Shaqnato_124 (C1), Shelob_133 (C1), ShiaLabeouf_130 (C1), Shnickers_131 (C1), SilverDipper_133 (C1), SmallFry_131 (C1), Specks_136 (C1), Sprinklers_127 (C1), Spud_130 (C1), SrishMeg2525_130 (C1), StubbySaigey_135 (C1), Stubby_124 (C1), Teardrop_130 (C1), TinyTim_131 (C1), Tonenili_144 (C1), Tortoise16_128 (C1), Tritium_129 (C1), Turret_127 (C1), ValleyTerrace_132 (C1), Yassified_128 (C1), YemiJoy2021_132 (C1), Zalkecks_132 (C1), Zeenon_131 (C1), ZygoTaiga_129 (C1),

Start 9:

- Found in 3 of 170 (1.8%) of genes in pham
- Manual Annotations of this start: 3 of 170
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pupper_118 (DO), SCentae_117 (DO), Skog_180 (DO),

Start 10:

- Found in 1 of 170 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 170
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finch_47 (singleton),

Summary by clusters:

There are 6 clusters represented in this pham: AA, DO, singleton, DX, C2, C1,

Info for manual annotations of cluster AA:

- Start number 3 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster C1:

- Start number 6 was manually annotated 36 times for cluster C1.
- Start number 8 was manually annotated 123 times for cluster C1.

Info for manual annotations of cluster C2:

- Start number 2 was manually annotated 3 times for cluster C2.

Info for manual annotations of cluster DO:

- Start number 9 was manually annotated 3 times for cluster DO.

Info for manual annotations of cluster DX:

- Start number 7 was manually annotated 2 times for cluster DX.

Gene Information:

Gene: Ading_131 Start: 70666, Stop: 71564, Start Num: 8

Candidate Starts for Ading_131:

(Start: 6 @70654 has 36 MA's), (Start: 8 @70666 has 123 MA's), (20, 70828), (22, 70864), (23, 70867), (25, 70882), (29, 70912), (31, 70954), (35, 70984), (47, 71086), (48, 71089), (55, 71134), (63, 71209), (85, 71545),

Gene: Adlitam_132 Start: 71162, Stop: 72060, Start Num: 8

Candidate Starts for Adlitam_132:

(Start: 6 @71150 has 36 MA's), (Start: 8 @71162 has 123 MA's), (20, 71324), (22, 71360), (23, 71363), (25, 71378), (29, 71408), (31, 71450), (35, 71480), (47, 71582), (48, 71585), (55, 71630), (63, 71705), (85, 72041),

Gene: Alice_124 Start: 70375, Stop: 71285, Start Num: 6

Candidate Starts for Alice_124:

(Start: 6 @70375 has 36 MA's), (Start: 8 @70387 has 123 MA's), (20, 70549), (22, 70585), (23, 70588), (25, 70603), (29, 70633), (31, 70675), (35, 70705), (47, 70807), (48, 70810), (55, 70855), (63, 70930), (85, 71266),

Gene: Amataga_132 Start: 70407, Stop: 71305, Start Num: 8

Candidate Starts for Amataga_132:

(Start: 6 @70395 has 36 MA's), (Start: 8 @70407 has 123 MA's), (20, 70569), (22, 70605), (23, 70608), (25, 70623), (29, 70653), (31, 70695), (35, 70725), (47, 70827), (48, 70830), (55, 70875), (63, 70950), (85, 71286),

Gene: ArcherS7_130 Start: 70246, Stop: 71144, Start Num: 8

Candidate Starts for ArcherS7_130:

(Start: 6 @70234 has 36 MA's), (Start: 8 @70246 has 123 MA's), (20, 70408), (22, 70444), (23, 70447), (25, 70462), (29, 70492), (31, 70534), (35, 70564), (47, 70666), (48, 70669), (55, 70714), (63, 70789), (85, 71125),

Gene: Astraea_127 Start: 69687, Stop: 70585, Start Num: 8

Candidate Starts for Astraea_127:

(Start: 6 @69675 has 36 MA's), (Start: 8 @69687 has 123 MA's), (20, 69849), (22, 69885), (23, 69888), (25, 69903), (29, 69933), (31, 69975), (35, 70005), (47, 70107), (48, 70110), (55, 70155), (63, 70230), (85, 70566),

Gene: Atlantean_131 Start: 70407, Stop: 71305, Start Num: 8

Candidate Starts for Atlantean_131:

(Start: 6 @70395 has 36 MA's), (Start: 8 @70407 has 123 MA's), (20, 70569), (22, 70605), (23, 70608), (25, 70623), (29, 70653), (31, 70695), (35, 70725), (47, 70827), (48, 70830), (55, 70875), (63, 70950), (85, 71286),

Gene: Audrick_134 Start: 70386, Stop: 71284, Start Num: 8

Candidate Starts for Audrick_134:

(Start: 6 @70374 has 36 MA's), (Start: 8 @70386 has 123 MA's), (20, 70548), (22, 70584), (23, 70587), (25, 70602), (29, 70632), (31, 70674), (35, 70704), (47, 70806), (48, 70809), (55, 70854), (63, 70929), (85, 71265),

Gene: Ava3_132 Start: 70831, Stop: 71729, Start Num: 8

Candidate Starts for Ava3_132:

(Start: 6 @70819 has 36 MA's), (Start: 8 @70831 has 123 MA's), (20, 70993), (22, 71029), (23, 71032), (25, 71047), (29, 71077), (31, 71119), (35, 71149), (47, 71251), (48, 71254), (55, 71299), (63, 71374), (85, 71710),

Gene: Babyland_133 Start: 70473, Stop: 71383, Start Num: 6

Candidate Starts for Babyland_133:

(Start: 6 @70473 has 36 MA's), (Start: 8 @70485 has 123 MA's), (20, 70647), (22, 70683), (23, 70686), (25, 70701), (29, 70731), (31, 70773), (35, 70803), (47, 70905), (48, 70908), (55, 70953), (63, 71028), (85, 71364),

Gene: BackyardAgain_128 Start: 69822, Stop: 70732, Start Num: 6

Candidate Starts for BackyardAgain_128:

(Start: 6 @69822 has 36 MA's), (Start: 8 @69834 has 123 MA's), (20, 69996), (22, 70032), (23, 70035), (25, 70050), (29, 70080), (31, 70122), (35, 70152), (47, 70254), (48, 70257), (55, 70302), (63, 70377), (85, 70713),

Gene: BadAgartude_127 Start: 71133, Stop: 72031, Start Num: 8

Candidate Starts for BadAgartude_127:

(Start: 6 @71121 has 36 MA's), (Start: 8 @71133 has 123 MA's), (20, 71295), (22, 71331), (23, 71334), (25, 71349), (29, 71379), (31, 71421), (35, 71451), (47, 71553), (48, 71556), (55, 71601), (63, 71676), (85, 72012),

Gene: Bangla1971_132 Start: 70376, Stop: 71274, Start Num: 8

Candidate Starts for Bangla1971_132:

(Start: 6 @70364 has 36 MA's), (Start: 8 @70376 has 123 MA's), (20, 70538), (22, 70574), (23, 70577), (25, 70592), (29, 70622), (31, 70664), (35, 70694), (47, 70796), (48, 70799), (55, 70844), (63, 70919), (85, 71255),

Gene: Basquiat_128 Start: 69985, Stop: 70883, Start Num: 8

Candidate Starts for Basquiat_128:

(Start: 6 @69973 has 36 MA's), (Start: 8 @69985 has 123 MA's), (20, 70147), (22, 70183), (23, 70186), (25, 70201), (29, 70231), (31, 70273), (35, 70303), (47, 70405), (48, 70408), (55, 70453), (63, 70528), (85, 70864),

Gene: BeanWater_123 Start: 70685, Stop: 71583, Start Num: 8

Candidate Starts for BeanWater_123:

(Start: 6 @70673 has 36 MA's), (Start: 8 @70685 has 123 MA's), (20, 70847), (22, 70883), (23, 70886), (25, 70901), (29, 70931), (31, 70973), (35, 71003), (47, 71105), (48, 71108), (55, 71153), (63, 71228), (85, 71564),

Gene: Bigswole_134 Start: 72642, Stop: 73540, Start Num: 8

Candidate Starts for Bigswole_134:

(Start: 6 @72630 has 36 MA's), (Start: 8 @72642 has 123 MA's), (20, 72804), (22, 72840), (23, 72843), (25, 72858), (29, 72888), (31, 72930), (35, 72960), (47, 73062), (48, 73065), (55, 73110), (63, 73185), (85, 73521),

Gene: Bipolarisk_130 Start: 71099, Stop: 71997, Start Num: 8

Candidate Starts for Bipolarisk_130:

(Start: 6 @71087 has 36 MA's), (Start: 8 @71099 has 123 MA's), (20, 71261), (22, 71297), (23, 71300), (25, 71315), (29, 71345), (31, 71387), (35, 71417), (47, 71519), (48, 71522), (55, 71567), (63, 71642), (85, 71978),

Gene: Blackbrain_127 Start: 69858, Stop: 70768, Start Num: 6

Candidate Starts for Blackbrain_127:

(Start: 6 @69858 has 36 MA's), (Start: 8 @69870 has 123 MA's), (20, 70032), (22, 70068), (23, 70071), (25, 70086), (29, 70116), (31, 70158), (35, 70188), (47, 70290), (48, 70293), (55, 70338), (63, 70413), (85, 70749),

Gene: Bonray_132 Start: 71741, Stop: 72639, Start Num: 8

Candidate Starts for Bonray_132:

(Start: 6 @71729 has 36 MA's), (Start: 8 @71741 has 123 MA's), (20, 71903), (22, 71939), (23, 71942), (25, 71957), (29, 71987), (31, 72029), (35, 72059), (47, 72161), (48, 72164), (55, 72209), (63, 72284), (85, 72620),

Gene: Bread_130 Start: 70905, Stop: 71815, Start Num: 6

Candidate Starts for Bread_130:

(Start: 6 @70905 has 36 MA's), (Start: 8 @70917 has 123 MA's), (20, 71079), (22, 71115), (23, 71118), (25, 71133), (29, 71163), (31, 71205), (35, 71235), (47, 71337), (48, 71340), (55, 71385), (63, 71460), (85, 71796),

Gene: Breeniome_130 Start: 69263, Stop: 70173, Start Num: 6

Candidate Starts for Breeniome_130:

(Start: 6 @69263 has 36 MA's), (Start: 8 @69275 has 123 MA's), (20, 69437), (22, 69473), (23, 69476), (25, 69491), (29, 69521), (31, 69563), (35, 69593), (47, 69695), (48, 69698), (55, 69743), (63, 69818), (85, 70154),

Gene: Burrough_131 Start: 71426, Stop: 72324, Start Num: 8

Candidate Starts for Burrough_131:

(Start: 6 @71414 has 36 MA's), (Start: 8 @71426 has 123 MA's), (20, 71588), (22, 71624), (23, 71627), (25, 71642), (29, 71672), (31, 71714), (35, 71744), (47, 71846), (48, 71849), (55, 71894), (63, 71969), (85, 72305),

Gene: Bxz1_127 Start: 72629, Stop: 73527, Start Num: 8

Candidate Starts for Bxz1_127:

(Start: 6 @72617 has 36 MA's), (Start: 8 @72629 has 123 MA's), (20, 72791), (22, 72827), (23, 72830), (25, 72845), (29, 72875), (31, 72917), (35, 72947), (47, 73049), (48, 73052), (55, 73097), (63, 73172), (85, 73508),

Gene: Cactojaque_127 Start: 69977, Stop: 70875, Start Num: 8

Candidate Starts for Cactojaque_127:

(Start: 6 @69965 has 36 MA's), (Start: 8 @69977 has 123 MA's), (20, 70139), (22, 70175), (23, 70178), (25, 70193), (29, 70223), (31, 70265), (35, 70295), (47, 70397), (48, 70400), (55, 70445), (63, 70520), (85, 70856),

Gene: Cali_126 Start: 71428, Stop: 72326, Start Num: 8

Candidate Starts for Cali_126:

(Start: 6 @71416 has 36 MA's), (Start: 8 @71428 has 123 MA's), (20, 71590), (22, 71626), (23, 71629), (25, 71644), (29, 71674), (31, 71716), (35, 71746), (47, 71848), (48, 71851), (55, 71896), (63, 71971), (85, 72307),

Gene: Cane17_123 Start: 72290, Stop: 73188, Start Num: 8

Candidate Starts for Cane17_123:

(Start: 6 @72278 has 36 MA's), (Start: 8 @72290 has 123 MA's), (20, 72452), (22, 72488), (23, 72491), (25, 72506), (29, 72536), (31, 72578), (35, 72608), (47, 72710), (48, 72713), (55, 72758), (63,

72833), (85, 73169),

Gene: Capablanca_134 Start: 72157, Stop: 73055, Start Num: 8

Candidate Starts for Capablanca_134:

(Start: 6 @72145 has 36 MA's), (Start: 8 @72157 has 123 MA's), (20, 72319), (22, 72355), (23, 72358), (25, 72373), (29, 72403), (31, 72445), (35, 72475), (47, 72577), (48, 72580), (55, 72625), (63, 72700), (85, 73036),

Gene: Caravan_125 Start: 70785, Stop: 71683, Start Num: 8

Candidate Starts for Caravan_125:

(Start: 6 @70773 has 36 MA's), (Start: 8 @70785 has 123 MA's), (20, 70947), (22, 70983), (23, 70986), (25, 71001), (29, 71031), (31, 71073), (35, 71103), (47, 71205), (48, 71208), (55, 71253), (63, 71328), (85, 71664),

Gene: Catera_126 Start: 69692, Stop: 70590, Start Num: 8

Candidate Starts for Catera_126:

(Start: 6 @69680 has 36 MA's), (Start: 8 @69692 has 123 MA's), (20, 69854), (22, 69890), (23, 69893), (25, 69908), (29, 69938), (31, 69980), (35, 70010), (47, 70112), (48, 70115), (55, 70160), (63, 70235), (85, 70571),

Gene: Charge21_128 Start: 69985, Stop: 70883, Start Num: 8

Candidate Starts for Charge21_128:

(Start: 6 @69973 has 36 MA's), (Start: 8 @69985 has 123 MA's), (20, 70147), (22, 70183), (23, 70186), (25, 70201), (29, 70231), (31, 70273), (35, 70303), (47, 70405), (48, 70408), (55, 70453), (63, 70528), (85, 70864),

Gene: CharlieB_128 Start: 70311, Stop: 71209, Start Num: 8

Candidate Starts for CharlieB_128:

(Start: 6 @70299 has 36 MA's), (Start: 8 @70311 has 123 MA's), (20, 70473), (22, 70509), (23, 70512), (25, 70527), (29, 70557), (31, 70599), (35, 70629), (47, 70731), (48, 70734), (55, 70779), (63, 70854), (85, 71190),

Gene: ChaylaJr_127 Start: 69781, Stop: 70691, Start Num: 6

Candidate Starts for ChaylaJr_127:

(Start: 6 @69781 has 36 MA's), (Start: 8 @69793 has 123 MA's), (20, 69955), (22, 69991), (23, 69994), (25, 70009), (29, 70039), (31, 70081), (35, 70111), (47, 70213), (48, 70216), (55, 70261), (63, 70336), (85, 70672),

Gene: ChickenPhender_127 Start: 69617, Stop: 70515, Start Num: 8

Candidate Starts for ChickenPhender_127:

(Start: 6 @69605 has 36 MA's), (Start: 8 @69617 has 123 MA's), (20, 69779), (22, 69815), (23, 69818), (25, 69833), (29, 69863), (31, 69905), (35, 69935), (47, 70037), (48, 70040), (55, 70085), (63, 70160), (85, 70496),

Gene: CindyLou_133 Start: 71736, Stop: 72634, Start Num: 8

Candidate Starts for CindyLou_133:

(Start: 6 @71724 has 36 MA's), (Start: 8 @71736 has 123 MA's), (20, 71898), (22, 71934), (23, 71937), (25, 71952), (29, 71982), (31, 72024), (35, 72054), (47, 72156), (48, 72159), (55, 72204), (63, 72279), (85, 72615),

Gene: Colt_123 Start: 72407, Stop: 73305, Start Num: 8

Candidate Starts for Colt_123:

(Start: 6 @72395 has 36 MA's), (Start: 8 @72407 has 123 MA's), (20, 72569), (22, 72605), (23, 72608), (25, 72623), (29, 72653), (31, 72695), (35, 72725), (47, 72827), (48, 72830), (55, 72875), (63, 72950), (85, 73286),

Gene: DTDevon_131 Start: 71458, Stop: 72356, Start Num: 8

Candidate Starts for DTDevon_131:

(Start: 6 @71446 has 36 MA's), (Start: 8 @71458 has 123 MA's), (20, 71620), (22, 71656), (23, 71659), (25, 71674), (29, 71704), (31, 71746), (35, 71776), (47, 71878), (48, 71881), (55, 71926), (63, 72001), (85, 72337),

Gene: Daffodil_136 Start: 71387, Stop: 72297, Start Num: 6

Candidate Starts for Daffodil_136:

(Start: 6 @71387 has 36 MA's), (Start: 8 @71399 has 123 MA's), (20, 71561), (22, 71597), (23, 71600), (25, 71615), (29, 71645), (31, 71687), (35, 71717), (47, 71819), (48, 71822), (55, 71867), (63, 71942), (85, 72278),

Gene: Dandelion_135 Start: 73591, Stop: 74489, Start Num: 8

Candidate Starts for Dandelion_135:

(Start: 6 @73579 has 36 MA's), (Start: 8 @73591 has 123 MA's), (20, 73753), (22, 73789), (23, 73792), (25, 73807), (29, 73837), (31, 73879), (35, 73909), (47, 74011), (48, 74014), (55, 74059), (63, 74134), (85, 74470),

Gene: Darko_131 Start: 71091, Stop: 71989, Start Num: 8

Candidate Starts for Darko_131:

(Start: 6 @71079 has 36 MA's), (Start: 8 @71091 has 123 MA's), (20, 71253), (22, 71289), (23, 71292), (25, 71307), (29, 71337), (31, 71379), (35, 71409), (47, 71511), (48, 71514), (55, 71559), (63, 71634), (85, 71970),

Gene: Delilah_131 Start: 71553, Stop: 72451, Start Num: 8

Candidate Starts for Delilah_131:

(Start: 6 @71541 has 36 MA's), (Start: 8 @71553 has 123 MA's), (20, 71715), (22, 71751), (23, 71754), (25, 71769), (29, 71799), (31, 71841), (35, 71871), (47, 71973), (48, 71976), (55, 72021), (63, 72096), (85, 72432),

Gene: Delylah_134 Start: 71080, Stop: 71990, Start Num: 6

Candidate Starts for Delylah_134:

(Start: 6 @71080 has 36 MA's), (Start: 8 @71092 has 123 MA's), (20, 71254), (22, 71290), (23, 71293), (25, 71308), (29, 71338), (31, 71380), (35, 71410), (47, 71512), (48, 71515), (55, 71560), (63, 71635), (85, 71971),

Gene: Derek_130 Start: 71018, Stop: 71916, Start Num: 8

Candidate Starts for Derek_130:

(Start: 6 @71006 has 36 MA's), (Start: 8 @71018 has 123 MA's), (20, 71180), (22, 71216), (23, 71219), (25, 71234), (29, 71264), (31, 71306), (35, 71336), (47, 71438), (48, 71441), (55, 71486), (63, 71561), (85, 71897),

Gene: Dietrick_123 Start: 69094, Stop: 69992, Start Num: 8

Candidate Starts for Dietrick_123:

(Start: 6 @69082 has 36 MA's), (Start: 8 @69094 has 123 MA's), (20, 69256), (22, 69292), (23, 69295), (25, 69310), (29, 69340), (31, 69382), (35, 69412), (47, 69514), (48, 69517), (55, 69562), (63, 69637), (85, 69973),

Gene: DrPhinkDaddy_130 Start: 71611, Stop: 72509, Start Num: 8

Candidate Starts for DrPhinkDaddy_130:

(Start: 6 @71599 has 36 MA's), (Start: 8 @71611 has 123 MA's), (20, 71773), (22, 71809), (23, 71812), (25, 71827), (29, 71857), (31, 71899), (35, 71929), (47, 72031), (48, 72034), (55, 72079), (63, 72154), (85, 72490),

Gene: Drazdys_128 Start: 70070, Stop: 70980, Start Num: 6

Candidate Starts for Drazdys_128:

(Start: 6 @70070 has 36 MA's), (Start: 8 @70082 has 123 MA's), (20, 70244), (22, 70280), (23, 70283), (25, 70298), (29, 70328), (31, 70370), (35, 70400), (47, 70502), (48, 70505), (55, 70550), (63, 70625), (85, 70961),

Gene: ET08_119 Start: 70060, Stop: 70970, Start Num: 6

Candidate Starts for ET08_119:

(Start: 6 @70060 has 36 MA's), (Start: 8 @70072 has 123 MA's), (20, 70234), (22, 70270), (23, 70273), (25, 70288), (29, 70318), (31, 70360), (35, 70390), (47, 70492), (48, 70495), (55, 70540), (63, 70615), (85, 70951),

Gene: EasyJones_134 Start: 70627, Stop: 71537, Start Num: 6

Candidate Starts for EasyJones_134:

(Start: 6 @70627 has 36 MA's), (Start: 8 @70639 has 123 MA's), (20, 70801), (22, 70837), (23, 70840), (25, 70855), (29, 70885), (31, 70927), (35, 70957), (47, 71059), (48, 71062), (55, 71107), (63, 71182), (85, 71518),

Gene: EmToTheThree_133 Start: 72351, Stop: 73249, Start Num: 8

Candidate Starts for EmToTheThree_133:

(Start: 6 @72339 has 36 MA's), (Start: 8 @72351 has 123 MA's), (20, 72513), (22, 72549), (23, 72552), (25, 72567), (29, 72597), (31, 72639), (35, 72669), (47, 72771), (48, 72774), (55, 72819), (63, 72894), (85, 73230),

Gene: EmmaElysia_132 Start: 70626, Stop: 71524, Start Num: 8

Candidate Starts for EmmaElysia_132:

(Start: 6 @70614 has 36 MA's), (Start: 8 @70626 has 123 MA's), (20, 70788), (22, 70824), (23, 70827), (25, 70842), (29, 70872), (31, 70914), (35, 70944), (47, 71046), (48, 71049), (55, 71094), (63, 71169), (85, 71505),

Gene: Erdmann_131 Start: 71400, Stop: 72298, Start Num: 8

Candidate Starts for Erdmann_131:

(Start: 6 @71388 has 36 MA's), (Start: 8 @71400 has 123 MA's), (20, 71562), (22, 71598), (23, 71601), (25, 71616), (29, 71646), (31, 71688), (35, 71718), (47, 71820), (48, 71823), (55, 71868), (63, 71943), (85, 72279),

Gene: ErnieJ_125 Start: 69357, Stop: 70267, Start Num: 6

Candidate Starts for ErnieJ_125:

(Start: 6 @69357 has 36 MA's), (Start: 8 @69369 has 123 MA's), (20, 69531), (22, 69567), (23, 69570), (25, 69585), (29, 69615), (31, 69657), (35, 69687), (47, 69789), (48, 69792), (55, 69837), (63, 69912), (85, 70248),

Gene: Essence_128 Start: 70248, Stop: 71146, Start Num: 8

Candidate Starts for Essence_128:

(Start: 6 @70236 has 36 MA's), (Start: 8 @70248 has 123 MA's), (20, 70410), (22, 70446), (23, 70449), (25, 70464), (29, 70494), (31, 70536), (35, 70566), (47, 70668), (48, 70671), (55, 70716), (63, 70791), (85, 71127),

Gene: Ewok_132 Start: 70777, Stop: 71675, Start Num: 8

Candidate Starts for Ewok_132:

(Start: 6 @70765 has 36 MA's), (Start: 8 @70777 has 123 MA's), (20, 70939), (22, 70975), (23, 70978), (25, 70993), (29, 71023), (31, 71065), (35, 71095), (47, 71197), (48, 71200), (55, 71245), (63, 71320), (85, 71656),

Gene: Finch_47 Start: 36754, Stop: 37628, Start Num: 10

Candidate Starts for Finch_47:

(Start: 10 @36754 has 1 MA's), (17, 36904), (21, 36919), (34, 37063), (37, 37087), (39, 37102), (45, 37144), (50, 37186), (54, 37201), (57, 37228), (58, 37243), (65, 37327), (74, 37528), (76, 37540), (79, 37597),

Gene: Flabslab_126 Start: 68959, Stop: 69857, Start Num: 8

Candidate Starts for Flabslab_126:

(Start: 6 @68947 has 36 MA's), (Start: 8 @68959 has 123 MA's), (20, 69121), (22, 69157), (23, 69160), (25, 69175), (29, 69205), (31, 69247), (35, 69277), (47, 69379), (48, 69382), (55, 69427), (63, 69502), (85, 69838),

Gene: Fludd_132 Start: 70425, Stop: 71323, Start Num: 8

Candidate Starts for Fludd_132:

(Start: 6 @70413 has 36 MA's), (Start: 8 @70425 has 123 MA's), (20, 70587), (22, 70623), (23, 70626), (25, 70641), (29, 70671), (31, 70713), (35, 70743), (47, 70845), (48, 70848), (55, 70893), (63, 70968), (85, 71304),

Gene: FoxtrotP1_131 Start: 72560, Stop: 73458, Start Num: 8

Candidate Starts for FoxtrotP1_131:

(Start: 6 @72548 has 36 MA's), (Start: 8 @72560 has 123 MA's), (20, 72722), (22, 72758), (23, 72761), (25, 72776), (29, 72806), (31, 72848), (35, 72878), (47, 72980), (48, 72983), (55, 73028), (63, 73103), (85, 73439),

Gene: FrayBell_136 Start: 71724, Stop: 72622, Start Num: 8

Candidate Starts for FrayBell_136:

(Start: 6 @71712 has 36 MA's), (Start: 8 @71724 has 123 MA's), (20, 71886), (22, 71922), (23, 71925), (25, 71940), (29, 71970), (31, 72012), (35, 72042), (47, 72144), (48, 72147), (55, 72192), (63, 72267), (85, 72603),

Gene: FudgeTart_129 Start: 70430, Stop: 71328, Start Num: 8

Candidate Starts for FudgeTart_129:

(Start: 6 @70418 has 36 MA's), (Start: 8 @70430 has 123 MA's), (20, 70592), (22, 70628), (23, 70631), (25, 70646), (29, 70676), (31, 70718), (35, 70748), (47, 70850), (48, 70853), (55, 70898), (63, 70973), (85, 71309),

Gene: Gabriel_131 Start: 69654, Stop: 70552, Start Num: 8

Candidate Starts for Gabriel_131:

(Start: 6 @69642 has 36 MA's), (Start: 8 @69654 has 123 MA's), (20, 69816), (22, 69852), (23, 69855), (25, 69870), (29, 69900), (31, 69942), (35, 69972), (47, 70074), (48, 70077), (55, 70122), (63, 70197), (85, 70533),

Gene: Gamgam_132 Start: 70397, Stop: 71295, Start Num: 8

Candidate Starts for Gamgam_132:

(Start: 6 @70385 has 36 MA's), (Start: 8 @70397 has 123 MA's), (20, 70559), (22, 70595), (23, 70598), (25, 70613), (29, 70643), (31, 70685), (35, 70715), (47, 70817), (48, 70820), (55, 70865), (63, 70940), (85, 71276),

Gene: Ghost_130 Start: 70395, Stop: 71305, Start Num: 6

Candidate Starts for Ghost_130:

(Start: 6 @70395 has 36 MA's), (Start: 8 @70407 has 123 MA's), (20, 70569), (22, 70605), (23, 70608), (25, 70623), (29, 70653), (31, 70695), (35, 70725), (47, 70827), (48, 70830), (55, 70875), (63, 70950), (85, 71286),

Gene: Gizmo_136 Start: 73017, Stop: 73927, Start Num: 6

Candidate Starts for Gizmo_136:

(Start: 6 @73017 has 36 MA's), (Start: 8 @73029 has 123 MA's), (20, 73191), (22, 73227), (23, 73230), (25, 73245), (29, 73275), (31, 73317), (35, 73347), (47, 73449), (48, 73452), (55, 73497), (63, 73572), (85, 73908),

Gene: Grungle_118 Start: 67672, Stop: 68570, Start Num: 8

Candidate Starts for Grungle_118:

(Start: 6 @67660 has 36 MA's), (Start: 8 @67672 has 123 MA's), (20, 67834), (22, 67870), (23, 67873), (25, 67888), (29, 67918), (31, 67960), (35, 67990), (47, 68092), (48, 68095), (55, 68140), (63, 68215), (85, 68551),

Gene: Guwapp_130 Start: 69819, Stop: 70717, Start Num: 8

Candidate Starts for Guwapp_130:

(Start: 6 @69807 has 36 MA's), (Start: 8 @69819 has 123 MA's), (20, 69981), (22, 70017), (23, 70020), (25, 70035), (29, 70065), (31, 70107), (35, 70137), (47, 70239), (48, 70242), (55, 70287), (63, 70362), (85, 70698),

Gene: HyRo_122 Start: 70350, Stop: 71248, Start Num: 8

Candidate Starts for HyRo_122:

(Start: 6 @70338 has 36 MA's), (Start: 8 @70350 has 123 MA's), (20, 70512), (22, 70548), (23, 70551), (25, 70566), (29, 70596), (31, 70638), (35, 70668), (47, 70770), (48, 70773), (55, 70818), (63, 70893), (85, 71229),

Gene: I3_136 Start: 71873, Stop: 72783, Start Num: 6

Candidate Starts for I3_136:

(Start: 6 @71873 has 36 MA's), (Start: 8 @71885 has 123 MA's), (20, 72047), (22, 72083), (23, 72086), (25, 72101), (29, 72131), (31, 72173), (35, 72203), (47, 72305), (48, 72308), (55, 72353), (63, 72428), (85, 72764),

Gene: IkeLoa_125 Start: 70305, Stop: 71203, Start Num: 8

Candidate Starts for IkeLoa_125:

(Start: 6 @70293 has 36 MA's), (Start: 8 @70305 has 123 MA's), (20, 70467), (22, 70503), (23, 70506), (25, 70521), (29, 70551), (31, 70593), (35, 70623), (47, 70725), (48, 70728), (55, 70773), (63, 70848), (85, 71184),

Gene: InigoMontoya_134 Start: 70368, Stop: 71266, Start Num: 8

Candidate Starts for InigoMontoya_134:

(Start: 6 @70356 has 36 MA's), (Start: 8 @70368 has 123 MA's), (20, 70530), (22, 70566), (23, 70569), (25, 70584), (29, 70614), (31, 70656), (35, 70686), (47, 70788), (48, 70791), (55, 70836), (63, 70911), (85, 71247),

Gene: Iota_126 Start: 70356, Stop: 71254, Start Num: 8

Candidate Starts for Iota_126:

(Start: 6 @70344 has 36 MA's), (Start: 8 @70356 has 123 MA's), (20, 70518), (22, 70554), (23, 70557), (25, 70572), (29, 70602), (31, 70644), (35, 70674), (47, 70776), (48, 70779), (55, 70824), (63,

70899), (85, 71235),

Gene: Izajani_131 Start: 71570, Stop: 72468, Start Num: 8

Candidate Starts for Izajani_131:

(Start: 6 @71558 has 36 MA's), (Start: 8 @71570 has 123 MA's), (20, 71732), (22, 71768), (23, 71771), (25, 71786), (29, 71816), (31, 71858), (35, 71888), (47, 71990), (48, 71993), (55, 72038), (63, 72113), (85, 72449),

Gene: JPickles_128 Start: 69147, Stop: 70057, Start Num: 6

Candidate Starts for JPickles_128:

(Start: 6 @69147 has 36 MA's), (Start: 8 @69159 has 123 MA's), (20, 69321), (22, 69357), (23, 69360), (25, 69375), (29, 69405), (31, 69447), (35, 69477), (47, 69579), (48, 69582), (55, 69627), (63, 69702), (85, 70038),

Gene: Janiyra_134 Start: 71334, Stop: 72232, Start Num: 8

Candidate Starts for Janiyra_134:

(Start: 6 @71322 has 36 MA's), (Start: 8 @71334 has 123 MA's), (20, 71496), (22, 71532), (23, 71535), (25, 71550), (29, 71580), (31, 71622), (35, 71652), (47, 71754), (48, 71757), (55, 71802), (63, 71877), (85, 72213),

Gene: Jaygup_131 Start: 70684, Stop: 71582, Start Num: 8

Candidate Starts for Jaygup_131:

(Start: 6 @70672 has 36 MA's), (Start: 8 @70684 has 123 MA's), (20, 70846), (22, 70882), (23, 70885), (25, 70900), (29, 70930), (31, 70972), (35, 71002), (47, 71104), (48, 71107), (55, 71152), (63, 71227), (85, 71563),

Gene: Jedediah_134 Start: 71205, Stop: 72115, Start Num: 6

Candidate Starts for Jedediah_134:

(Start: 6 @71205 has 36 MA's), (Start: 8 @71217 has 123 MA's), (20, 71379), (22, 71415), (23, 71418), (25, 71433), (29, 71463), (31, 71505), (35, 71535), (47, 71637), (48, 71640), (55, 71685), (63, 71760), (85, 72096),

Gene: Jemmnno_131 Start: 70664, Stop: 71562, Start Num: 8

Candidate Starts for Jemmnno_131:

(Start: 6 @70652 has 36 MA's), (Start: 8 @70664 has 123 MA's), (20, 70826), (22, 70862), (23, 70865), (25, 70880), (29, 70910), (31, 70952), (35, 70982), (47, 71084), (48, 71087), (55, 71132), (63, 71207), (85, 71543),

Gene: Jessibeth14_130 Start: 71196, Stop: 72094, Start Num: 8

Candidate Starts for Jessibeth14_130:

(Start: 6 @71184 has 36 MA's), (Start: 8 @71196 has 123 MA's), (20, 71358), (22, 71394), (23, 71397), (25, 71412), (29, 71442), (31, 71484), (35, 71514), (47, 71616), (48, 71619), (55, 71664), (63, 71739), (85, 72075),

Gene: JustHall_129 Start: 71192, Stop: 72090, Start Num: 8

Candidate Starts for JustHall_129:

(Start: 6 @71180 has 36 MA's), (Start: 8 @71192 has 123 MA's), (20, 71354), (22, 71390), (23, 71393), (25, 71408), (29, 71438), (31, 71480), (35, 71510), (47, 71612), (48, 71615), (55, 71660), (63, 71735), (85, 72071),

Gene: Kamryn_131 Start: 72002, Stop: 72900, Start Num: 8

Candidate Starts for Kamryn_131:

(Start: 6 @71990 has 36 MA's), (Start: 8 @72002 has 123 MA's), (20, 72164), (22, 72200), (23, 72203), (25, 72218), (29, 72248), (31, 72290), (35, 72320), (47, 72422), (48, 72425), (55, 72470), (63, 72545), (85, 72881),

Gene: Kboogie_135 Start: 70345, Stop: 71255, Start Num: 6

Candidate Starts for Kboogie_135:

(Start: 6 @70345 has 36 MA's), (Start: 8 @70357 has 123 MA's), (20, 70519), (22, 70555), (23, 70558), (25, 70573), (29, 70603), (31, 70645), (35, 70675), (47, 70777), (48, 70780), (55, 70825), (63, 70900), (85, 71236),

Gene: Khaleesi_130 Start: 71299, Stop: 72197, Start Num: 8

Candidate Starts for Khaleesi_130:

(Start: 6 @71287 has 36 MA's), (Start: 8 @71299 has 123 MA's), (20, 71461), (22, 71497), (23, 71500), (25, 71515), (29, 71545), (31, 71587), (35, 71617), (47, 71719), (48, 71722), (55, 71767), (63, 71842), (85, 72178),

Gene: Koguma_128 Start: 68834, Stop: 69732, Start Num: 8

Candidate Starts for Koguma_128:

(Start: 6 @68822 has 36 MA's), (Start: 8 @68834 has 123 MA's), (20, 68996), (22, 69032), (23, 69035), (25, 69050), (29, 69080), (31, 69122), (35, 69152), (47, 69254), (48, 69257), (55, 69302), (63, 69377), (85, 69713),

Gene: LRRHood_124 Start: 70642, Stop: 71540, Start Num: 8

Candidate Starts for LRRHood_124:

(Start: 6 @70630 has 36 MA's), (Start: 8 @70642 has 123 MA's), (20, 70804), (22, 70840), (23, 70843), (25, 70858), (29, 70888), (31, 70930), (35, 70960), (47, 71062), (48, 71065), (55, 71110), (63, 71185), (85, 71521),

Gene: Latch_132 Start: 70407, Stop: 71305, Start Num: 8

Candidate Starts for Latch_132:

(Start: 6 @70395 has 36 MA's), (Start: 8 @70407 has 123 MA's), (20, 70569), (22, 70605), (23, 70608), (25, 70623), (29, 70653), (31, 70695), (35, 70725), (47, 70827), (48, 70830), (55, 70875), (63, 70950), (85, 71286),

Gene: LifeSavor_129 Start: 70604, Stop: 71514, Start Num: 6

Candidate Starts for LifeSavor_129:

(Start: 6 @70604 has 36 MA's), (Start: 8 @70616 has 123 MA's), (20, 70778), (22, 70814), (23, 70817), (25, 70832), (29, 70862), (31, 70904), (35, 70934), (47, 71036), (48, 71039), (55, 71084), (63, 71159), (85, 71495),

Gene: LinStu_129 Start: 71251, Stop: 72149, Start Num: 8

Candidate Starts for LinStu_129:

(Start: 6 @71239 has 36 MA's), (Start: 8 @71251 has 123 MA's), (20, 71413), (22, 71449), (23, 71452), (25, 71467), (29, 71497), (31, 71539), (35, 71569), (47, 71671), (48, 71674), (55, 71719), (63, 71794), (85, 72130),

Gene: Littleton_131 Start: 70724, Stop: 71634, Start Num: 6

Candidate Starts for Littleton_131:

(Start: 6 @70724 has 36 MA's), (Start: 8 @70736 has 123 MA's), (20, 70898), (22, 70934), (23, 70937), (25, 70952), (29, 70982), (31, 71024), (35, 71054), (47, 71156), (48, 71159), (55, 71204), (63, 71279), (85, 71615),

Gene: Loanshark_130 Start: 71267, Stop: 72165, Start Num: 8

Candidate Starts for Loanshark_130:

(Start: 6 @71255 has 36 MA's), (Start: 8 @71267 has 123 MA's), (20, 71429), (22, 71465), (23, 71468), (25, 71483), (29, 71513), (31, 71555), (35, 71585), (47, 71687), (48, 71690), (55, 71735), (63, 71810), (85, 72146),

Gene: LolaVinca_131 Start: 71610, Stop: 72508, Start Num: 8

Candidate Starts for LolaVinca_131:

(Start: 6 @71598 has 36 MA's), (Start: 8 @71610 has 123 MA's), (20, 71772), (22, 71808), (23, 71811), (25, 71826), (29, 71856), (31, 71898), (35, 71928), (47, 72030), (48, 72033), (55, 72078), (63, 72153), (85, 72489),

Gene: Lukilu_121 Start: 71652, Stop: 72550, Start Num: 8

Candidate Starts for Lukilu_121:

(Start: 6 @71640 has 36 MA's), (Start: 8 @71652 has 123 MA's), (20, 71814), (22, 71850), (23, 71853), (25, 71868), (29, 71898), (31, 71940), (35, 71970), (47, 72072), (48, 72075), (55, 72120), (63, 72195), (85, 72531),

Gene: Maby2021_131 Start: 71383, Stop: 72281, Start Num: 8

Candidate Starts for Maby2021_131:

(Start: 6 @71371 has 36 MA's), (Start: 8 @71383 has 123 MA's), (20, 71545), (22, 71581), (23, 71584), (25, 71599), (29, 71629), (31, 71671), (35, 71701), (47, 71803), (48, 71806), (55, 71851), (63, 71926), (85, 72262),

Gene: McGee_133 Start: 69986, Stop: 70896, Start Num: 6

Candidate Starts for McGee_133:

(Start: 6 @69986 has 36 MA's), (Start: 8 @69998 has 123 MA's), (20, 70160), (22, 70196), (23, 70199), (25, 70214), (29, 70244), (31, 70286), (35, 70316), (47, 70418), (48, 70421), (55, 70466), (63, 70541), (85, 70877),

Gene: McWolfish_129 Start: 71172, Stop: 72070, Start Num: 8

Candidate Starts for McWolfish_129:

(Start: 6 @71160 has 36 MA's), (Start: 8 @71172 has 123 MA's), (20, 71334), (22, 71370), (23, 71373), (25, 71388), (29, 71418), (31, 71460), (35, 71490), (47, 71592), (48, 71595), (55, 71640), (63, 71715), (85, 72051),

Gene: Megamind_130 Start: 71044, Stop: 71954, Start Num: 6

Candidate Starts for Megamind_130:

(Start: 6 @71044 has 36 MA's), (Start: 8 @71056 has 123 MA's), (20, 71218), (22, 71254), (23, 71257), (25, 71272), (29, 71302), (31, 71344), (35, 71374), (47, 71476), (48, 71479), (55, 71524), (63, 71599), (85, 71935),

Gene: Melpomini_125 Start: 68522, Stop: 69420, Start Num: 8

Candidate Starts for Melpomini_125:

(Start: 6 @68510 has 36 MA's), (Start: 8 @68522 has 123 MA's), (20, 68684), (22, 68720), (23, 68723), (25, 68738), (29, 68768), (31, 68810), (35, 68840), (47, 68942), (48, 68945), (55, 68990), (63, 69065), (85, 69401),

Gene: MikeLiesIn_132 Start: 71413, Stop: 72311, Start Num: 8

Candidate Starts for MikeLiesIn_132:

(Start: 6 @71401 has 36 MA's), (Start: 8 @71413 has 123 MA's), (20, 71575), (22, 71611), (23, 71614), (25, 71629), (29, 71659), (31, 71701), (35, 71731), (47, 71833), (48, 71836), (55, 71881), (63, 71956), (85, 72292),

Gene: MoMoMixon_130 Start: 70889, Stop: 71787, Start Num: 8

Candidate Starts for MoMoMixon_130:

(Start: 6 @70877 has 36 MA's), (Start: 8 @70889 has 123 MA's), (20, 71051), (22, 71087), (23, 71090), (25, 71105), (29, 71135), (31, 71177), (35, 71207), (47, 71309), (48, 71312), (55, 71357), (63, 71432), (85, 71768),

Gene: Momo_131 Start: 70407, Stop: 71305, Start Num: 8

Candidate Starts for Momo_131:

(Start: 6 @70395 has 36 MA's), (Start: 8 @70407 has 123 MA's), (20, 70569), (22, 70605), (23, 70608), (25, 70623), (29, 70653), (31, 70695), (35, 70725), (47, 70827), (48, 70830), (55, 70875), (63, 70950), (85, 71286),

Gene: Morizzled23_132 Start: 70762, Stop: 71660, Start Num: 8

Candidate Starts for Morizzled23_132:

(Start: 6 @70750 has 36 MA's), (Start: 8 @70762 has 123 MA's), (20, 70924), (22, 70960), (23, 70963), (25, 70978), (29, 71008), (31, 71050), (35, 71080), (47, 71182), (48, 71185), (55, 71230), (63, 71305), (85, 71641),

Gene: Myrna_127 Start: 72343, Stop: 73298, Start Num: 2

Candidate Starts for Myrna_127:

(Start: 2 @72343 has 3 MA's), (16, 72481), (29, 72634), (42, 72775), (46, 72808), (55, 72865), (59, 72913), (66, 73006), (69, 73117),

Gene: Naija_131 Start: 70407, Stop: 71305, Start Num: 8

Candidate Starts for Naija_131:

(Start: 6 @70395 has 36 MA's), (Start: 8 @70407 has 123 MA's), (20, 70569), (22, 70605), (23, 70608), (25, 70623), (29, 70653), (31, 70695), (35, 70725), (47, 70827), (48, 70830), (55, 70875), (63, 70950), (85, 71286),

Gene: Napoleon13_127 Start: 68960, Stop: 69858, Start Num: 8

Candidate Starts for Napoleon13_127:

(Start: 6 @68948 has 36 MA's), (Start: 8 @68960 has 123 MA's), (20, 69122), (22, 69158), (23, 69161), (25, 69176), (29, 69206), (31, 69248), (35, 69278), (47, 69380), (48, 69383), (55, 69428), (63, 69503), (85, 69839),

Gene: Nappy_132 Start: 72323, Stop: 73221, Start Num: 8

Candidate Starts for Nappy_132:

(Start: 6 @72311 has 36 MA's), (Start: 8 @72323 has 123 MA's), (20, 72485), (22, 72521), (23, 72524), (25, 72539), (29, 72569), (31, 72611), (35, 72641), (47, 72743), (48, 72746), (55, 72791), (63, 72866), (85, 73202),

Gene: NedWong_132 Start: 71390, Stop: 72288, Start Num: 8

Candidate Starts for NedWong_132:

(Start: 6 @71378 has 36 MA's), (Start: 8 @71390 has 123 MA's), (20, 71552), (22, 71588), (23, 71591), (25, 71606), (29, 71636), (31, 71678), (35, 71708), (47, 71810), (48, 71813), (55, 71858), (63, 71933), (85, 72269),

Gene: Ngannou_128 Start: 69389, Stop: 70287, Start Num: 8

Candidate Starts for Ngannou_128:

(Start: 6 @69377 has 36 MA's), (Start: 8 @69389 has 123 MA's), (20, 69551), (22, 69587), (23, 69590), (25, 69605), (29, 69635), (31, 69677), (35, 69707), (47, 69809), (48, 69812), (55, 69857), (63, 69932), (85, 70268),

Gene: Nidhogg_133 Start: 71613, Stop: 72511, Start Num: 8

Candidate Starts for Nidhogg_133:

(Start: 6 @71601 has 36 MA's), (Start: 8 @71613 has 123 MA's), (20, 71775), (22, 71811), (23, 71814), (25, 71829), (29, 71859), (31, 71901), (35, 71931), (47, 72033), (48, 72036), (55, 72081), (63, 72156), (85, 72492),

Gene: NoodleTree_138 Start: 71471, Stop: 72381, Start Num: 6

Candidate Starts for NoodleTree_138:

(Start: 6 @71471 has 36 MA's), (Start: 8 @71483 has 123 MA's), (20, 71645), (22, 71681), (23, 71684), (25, 71699), (29, 71729), (31, 71771), (35, 71801), (47, 71903), (48, 71906), (55, 71951), (63, 72026), (85, 72362),

Gene: Norm_132 Start: 72085, Stop: 72983, Start Num: 8

Candidate Starts for Norm_132:

(Start: 6 @72073 has 36 MA's), (Start: 8 @72085 has 123 MA's), (20, 72247), (22, 72283), (23, 72286), (25, 72301), (29, 72331), (31, 72373), (35, 72403), (47, 72505), (48, 72508), (55, 72553), (63, 72628), (85, 72964),

Gene: ParkTD_132 Start: 71396, Stop: 72294, Start Num: 8

Candidate Starts for ParkTD_132:

(Start: 6 @71384 has 36 MA's), (Start: 8 @71396 has 123 MA's), (20, 71558), (22, 71594), (23, 71597), (25, 71612), (29, 71642), (31, 71684), (35, 71714), (47, 71816), (48, 71819), (55, 71864), (63, 71939), (85, 72275),

Gene: Patter_132 Start: 70424, Stop: 71322, Start Num: 8

Candidate Starts for Patter_132:

(Start: 6 @70412 has 36 MA's), (Start: 8 @70424 has 123 MA's), (20, 70586), (22, 70622), (23, 70625), (25, 70640), (29, 70670), (31, 70712), (35, 70742), (47, 70844), (48, 70847), (55, 70892), (63, 70967), (85, 71303),

Gene: Phabba_132 Start: 71343, Stop: 72298, Start Num: 2

Candidate Starts for Phabba_132:

(Start: 2 @71343 has 3 MA's), (12, 71439), (24, 71601), (29, 71634), (35, 71703), (42, 71775), (46, 71808), (55, 71865), (59, 71913), (66, 72006), (69, 72117),

Gene: Phlegm_135 Start: 70407, Stop: 71305, Start Num: 8

Candidate Starts for Phlegm_135:

(Start: 6 @70395 has 36 MA's), (Start: 8 @70407 has 123 MA's), (20, 70569), (22, 70605), (23, 70608), (25, 70623), (29, 70653), (31, 70695), (35, 70725), (47, 70827), (48, 70830), (55, 70875), (63, 70950), (85, 71286),

Gene: Phox_128 Start: 71676, Stop: 72574, Start Num: 8

Candidate Starts for Phox_128:

(Start: 6 @71664 has 36 MA's), (Start: 8 @71676 has 123 MA's), (20, 71838), (22, 71874), (23, 71877), (25, 71892), (29, 71922), (31, 71964), (35, 71994), (47, 72096), (48, 72099), (55, 72144), (63, 72219), (85, 72555),

Gene: Phrappuccino_77 Start: 53761, Stop: 54737, Start Num: 3

Candidate Starts for Phrappuccino_77:

(Start: 3 @53761 has 2 MA's), (13, 53878), (14, 53884), (22, 54004), (23, 54007), (28, 54040), (29, 54052), (32, 54094), (35, 54121), (40, 54163), (43, 54181), (51, 54241), (55, 54268), (61, 54334), (64, 54361), (81, 54655), (87, 54724),

Gene: Phusco_131 Start: 70683, Stop: 71581, Start Num: 8

Candidate Starts for Phusco_131:

(Start: 6 @70671 has 36 MA's), (Start: 8 @70683 has 123 MA's), (20, 70845), (22, 70881), (23, 70884), (25, 70899), (29, 70929), (31, 70971), (35, 71001), (47, 71103), (48, 71106), (55, 71151), (63, 71226), (85, 71562),

Gene: Pier_135 Start: 73661, Stop: 74571, Start Num: 6

Candidate Starts for Pier_135:

(Start: 6 @73661 has 36 MA's), (Start: 8 @73673 has 123 MA's), (20, 73835), (22, 73871), (23, 73874), (25, 73889), (29, 73919), (31, 73961), (35, 73991), (47, 74093), (48, 74096), (55, 74141), (63, 74216), (85, 74552),

Gene: Pinkcreek_122 Start: 69017, Stop: 69915, Start Num: 8

Candidate Starts for Pinkcreek_122:

(Start: 6 @69005 has 36 MA's), (Start: 8 @69017 has 123 MA's), (20, 69179), (22, 69215), (23, 69218), (25, 69233), (29, 69263), (31, 69305), (35, 69335), (47, 69437), (48, 69440), (55, 69485), (63, 69560), (85, 69896),

Gene: Pio_135 Start: 73285, Stop: 74183, Start Num: 8

Candidate Starts for Pio_135:

(Start: 6 @73273 has 36 MA's), (Start: 8 @73285 has 123 MA's), (20, 73447), (22, 73483), (23, 73486), (25, 73501), (29, 73531), (31, 73573), (35, 73603), (47, 73705), (48, 73708), (55, 73753), (63, 73828), (85, 74164),

Gene: Pivoine_131 Start: 70407, Stop: 71305, Start Num: 8

Candidate Starts for Pivoine_131:

(Start: 6 @70395 has 36 MA's), (Start: 8 @70407 has 123 MA's), (20, 70569), (22, 70605), (23, 70608), (25, 70623), (29, 70653), (31, 70695), (35, 70725), (47, 70827), (48, 70830), (55, 70875), (63, 70950), (85, 71286),

Gene: Pleione_133 Start: 71551, Stop: 72461, Start Num: 6

Candidate Starts for Pleione_133:

(Start: 6 @71551 has 36 MA's), (Start: 8 @71563 has 123 MA's), (20, 71725), (22, 71761), (23, 71764), (25, 71779), (29, 71809), (31, 71851), (35, 71881), (47, 71983), (48, 71986), (55, 72031), (63, 72106), (85, 72442),

Gene: Pupper_118 Start: 71772, Stop: 72685, Start Num: 9

Candidate Starts for Pupper_118:

(Start: 9 @71772 has 3 MA's), (11, 71787), (15, 71862), (19, 71946), (21, 71952), (22, 71985), (29, 72033), (34, 72096), (35, 72102), (50, 72228), (52, 72234), (55, 72258), (68, 72438), (71, 72525), (75, 72588), (77, 72597), (78, 72645),

Gene: PurduePete_131 Start: 71810, Stop: 72708, Start Num: 8

Candidate Starts for PurduePete_131:

(Start: 6 @71798 has 36 MA's), (Start: 8 @71810 has 123 MA's), (20, 71972), (22, 72008), (23, 72011), (25, 72026), (29, 72056), (31, 72098), (35, 72128), (47, 72230), (48, 72233), (55, 72278), (63, 72353), (85, 72689),

Gene: QBert_125 Start: 70400, Stop: 71298, Start Num: 8

Candidate Starts for QBert_125:

(Start: 6 @70388 has 36 MA's), (Start: 8 @70400 has 123 MA's), (20, 70562), (22, 70598), (23, 70601), (25, 70616), (29, 70646), (31, 70688), (35, 70718), (47, 70820), (48, 70823), (55, 70868), (63, 70943), (85, 71279),

Gene: Quasimodo_133 Start: 71812, Stop: 72722, Start Num: 6

Candidate Starts for Quasimodo_133:

(Start: 6 @71812 has 36 MA's), (Start: 8 @71824 has 123 MA's), (20, 71986), (22, 72022), (23, 72025), (25, 72040), (29, 72070), (31, 72112), (35, 72142), (47, 72244), (48, 72247), (55, 72292), (63, 72367), (85, 72703),

Gene: Rabinovish_130 Start: 72008, Stop: 72906, Start Num: 8

Candidate Starts for Rabinovish_130:

(Start: 6 @71996 has 36 MA's), (Start: 8 @72008 has 123 MA's), (20, 72170), (22, 72206), (23, 72209), (25, 72224), (29, 72254), (31, 72296), (35, 72326), (47, 72428), (48, 72431), (55, 72476), (63, 72551), (85, 72887),

Gene: Rahel_130 Start: 70285, Stop: 71183, Start Num: 8

Candidate Starts for Rahel_130:

(Start: 6 @70273 has 36 MA's), (Start: 8 @70285 has 123 MA's), (20, 70447), (22, 70483), (23, 70486), (25, 70501), (29, 70531), (31, 70573), (35, 70603), (47, 70705), (48, 70708), (55, 70753), (63, 70828), (85, 71164),

Gene: RedWattleHog_45 Start: 42144, Stop: 43033, Start Num: 7

Candidate Starts for RedWattleHog_45:

(5, 42138), (Start: 7 @42144 has 2 MA's), (24, 42366), (27, 42384), (30, 42417), (35, 42468), (38, 42492), (44, 42543), (51, 42591),

Gene: Rizal_126 Start: 69433, Stop: 70331, Start Num: 8

Candidate Starts for Rizal_126:

(Start: 6 @69421 has 36 MA's), (Start: 8 @69433 has 123 MA's), (20, 69595), (22, 69631), (23, 69634), (25, 69649), (29, 69679), (31, 69721), (35, 69751), (47, 69853), (48, 69856), (55, 69901), (63, 69976), (85, 70312),

Gene: RoMag_126 Start: 70597, Stop: 71495, Start Num: 8

Candidate Starts for RoMag_126:

(Start: 6 @70585 has 36 MA's), (Start: 8 @70597 has 123 MA's), (20, 70759), (22, 70795), (23, 70798), (25, 70813), (29, 70843), (31, 70885), (35, 70915), (47, 71017), (48, 71020), (55, 71065), (63, 71140), (85, 71476),

Gene: Ronan_125 Start: 68546, Stop: 69444, Start Num: 8

Candidate Starts for Ronan_125:

(Start: 6 @68534 has 36 MA's), (Start: 8 @68546 has 123 MA's), (20, 68708), (22, 68744), (23, 68747), (25, 68762), (29, 68792), (31, 68834), (35, 68864), (47, 68966), (48, 68969), (55, 69014), (63, 69089), (85, 69425),

Gene: Roots515_130 Start: 72050, Stop: 72960, Start Num: 6

Candidate Starts for Roots515_130:

(Start: 6 @72050 has 36 MA's), (Start: 8 @72062 has 123 MA's), (20, 72224), (22, 72260), (23, 72263), (25, 72278), (29, 72308), (31, 72350), (35, 72380), (47, 72482), (48, 72485), (55, 72530), (63, 72605), (85, 72941),

Gene: SCentae_117 Start: 71931, Stop: 72835, Start Num: 9

Candidate Starts for SCentae_117:

(Start: 9 @71931 has 3 MA's), (11, 71946), (21, 72102), (22, 72135), (24, 72150), (29, 72183), (34, 72246), (35, 72252), (50, 72378), (55, 72408), (75, 72738), (77, 72747), (78, 72795),

Gene: Salacia_135 Start: 71712, Stop: 72622, Start Num: 6

Candidate Starts for Salacia_135:

(Start: 6 @71712 has 36 MA's), (Start: 8 @71724 has 123 MA's), (20, 71886), (22, 71922), (23, 71925), (25, 71940), (29, 71970), (31, 72012), (35, 72042), (47, 72144), (48, 72147), (55, 72192), (63, 72267), (85, 72603),

Gene: Sauce_131 Start: 70340, Stop: 71238, Start Num: 8

Candidate Starts for Sauce_131:

(Start: 6 @70328 has 36 MA's), (Start: 8 @70340 has 123 MA's), (20, 70502), (22, 70538), (23, 70541), (25, 70556), (29, 70586), (31, 70628), (35, 70658), (47, 70760), (48, 70763), (55, 70808), (63, 70883), (85, 71219),

Gene: ScoobyDoobyDoo_123 Start: 71013, Stop: 71962, Start Num: 2

Candidate Starts for ScoobyDoobyDoo_123:

(1, 70941), (Start: 2 @71013 has 3 MA's), (21, 71223), (24, 71271), (35, 71373), (36, 71376), (37, 71391), (41, 71424), (47, 71487), (53, 71514), (55, 71535), (59, 71583), (60, 71598), (66, 71676), (67, 71688), (69, 71787), (72, 71832), (76, 71865), (83, 71934), (86, 71949),

Gene: Sebata_130 Start: 71809, Stop: 72707, Start Num: 8

Candidate Starts for Sebata_130:

(Start: 6 @71797 has 36 MA's), (Start: 8 @71809 has 123 MA's), (20, 71971), (22, 72007), (23, 72010), (25, 72025), (29, 72055), (31, 72097), (35, 72127), (47, 72229), (48, 72232), (55, 72277), (63, 72352), (85, 72688),

Gene: Settecandela_77 Start: 53761, Stop: 54737, Start Num: 3

Candidate Starts for Settecandela_77:

(Start: 3 @53761 has 2 MA's), (13, 53878), (14, 53884), (22, 54004), (23, 54007), (28, 54040), (29, 54052), (32, 54094), (35, 54121), (40, 54163), (43, 54181), (51, 54241), (55, 54268), (61, 54334), (64, 54361), (81, 54655), (87, 54724),

Gene: Shaqnato_124 Start: 69390, Stop: 70288, Start Num: 8

Candidate Starts for Shaqnato_124:

(Start: 6 @69378 has 36 MA's), (Start: 8 @69390 has 123 MA's), (20, 69552), (22, 69588), (23, 69591), (25, 69606), (29, 69636), (31, 69678), (35, 69708), (47, 69810), (48, 69813), (55, 69858), (63, 69933), (85, 70269),

Gene: Shelob_133 Start: 72192, Stop: 73090, Start Num: 8

Candidate Starts for Shelob_133:

(Start: 6 @72180 has 36 MA's), (Start: 8 @72192 has 123 MA's), (20, 72354), (22, 72390), (23, 72393), (25, 72408), (29, 72438), (31, 72480), (35, 72510), (47, 72612), (48, 72615), (55, 72660), (63, 72735), (85, 73071),

Gene: ShiaLabeouf_130 Start: 70720, Stop: 71618, Start Num: 8

Candidate Starts for ShiaLabeouf_130:

(Start: 6 @70708 has 36 MA's), (Start: 8 @70720 has 123 MA's), (20, 70882), (22, 70918), (23, 70921), (25, 70936), (29, 70966), (31, 71008), (35, 71038), (47, 71140), (48, 71143), (55, 71188), (63, 71263), (85, 71599),

Gene: Shifa_120 Start: 69604, Stop: 70514, Start Num: 6

Candidate Starts for Shifa_120:

(Start: 6 @69604 has 36 MA's), (Start: 8 @69616 has 123 MA's), (20, 69778), (22, 69814), (23, 69817), (25, 69832), (29, 69862), (31, 69904), (35, 69934), (47, 70036), (48, 70039), (55, 70084), (63, 70159), (85, 70495),

Gene: Shnickers_131 Start: 70684, Stop: 71582, Start Num: 8

Candidate Starts for Shnickers_131:

(Start: 6 @70672 has 36 MA's), (Start: 8 @70684 has 123 MA's), (20, 70846), (22, 70882), (23, 70885), (25, 70900), (29, 70930), (31, 70972), (35, 71002), (47, 71104), (48, 71107), (55, 71152), (63, 71227), (85, 71563),

Gene: Shrimp_131 Start: 71392, Stop: 72302, Start Num: 6

Candidate Starts for Shrimp_131:

(Start: 6 @71392 has 36 MA's), (Start: 8 @71404 has 123 MA's), (20, 71566), (22, 71602), (23, 71605), (25, 71620), (29, 71650), (31, 71692), (35, 71722), (47, 71824), (48, 71827), (55, 71872), (63, 71947), (85, 72283),

Gene: SilverDipper_133 Start: 70407, Stop: 71305, Start Num: 8

Candidate Starts for SilverDipper_133:

(Start: 6 @70395 has 36 MA's), (Start: 8 @70407 has 123 MA's), (20, 70569), (22, 70605), (23, 70608), (25, 70623), (29, 70653), (31, 70695), (35, 70725), (47, 70827), (48, 70830), (55, 70875), (63, 70950), (85, 71286),

Gene: Skog_180 Start: 101760, Stop: 102667, Start Num: 9

Candidate Starts for Skog_180:

(4, 101736), (Start: 9 @101760 has 3 MA's), (19, 101928), (21, 101934), (24, 101982), (26, 101988), (29, 102015), (33, 102063), (46, 102180), (55, 102237), (56, 102243), (62, 102306), (70, 102501), (73, 102558), (78, 102627), (80, 102636),

Gene: SmallFry_131 Start: 69909, Stop: 70807, Start Num: 8

Candidate Starts for SmallFry_131:

(Start: 6 @69897 has 36 MA's), (Start: 8 @69909 has 123 MA's), (20, 70071), (22, 70107), (23, 70110), (25, 70125), (29, 70155), (31, 70197), (35, 70227), (47, 70329), (48, 70332), (55, 70377), (63, 70452), (85, 70788),

Gene: Specks_136 Start: 72574, Stop: 73472, Start Num: 8

Candidate Starts for Specks_136:

(Start: 6 @72562 has 36 MA's), (Start: 8 @72574 has 123 MA's), (20, 72736), (22, 72772), (23, 72775), (25, 72790), (29, 72820), (31, 72862), (35, 72892), (47, 72994), (48, 72997), (55, 73042), (63, 73117), (85, 73453),

Gene: Sprinklers_127 Start: 69965, Stop: 70863, Start Num: 8

Candidate Starts for Sprinklers_127:

(Start: 6 @69953 has 36 MA's), (Start: 8 @69965 has 123 MA's), (20, 70127), (22, 70163), (23, 70166), (25, 70181), (29, 70211), (31, 70253), (35, 70283), (47, 70385), (48, 70388), (55, 70433), (63, 70508), (85, 70844),

Gene: Spud_130 Start: 71470, Stop: 72368, Start Num: 8

Candidate Starts for Spud_130:

(Start: 6 @71458 has 36 MA's), (Start: 8 @71470 has 123 MA's), (20, 71632), (22, 71668), (23, 71671), (25, 71686), (29, 71716), (31, 71758), (35, 71788), (47, 71890), (48, 71893), (55, 71938), (63, 72013), (85, 72349),

Gene: SrishMeg2525_130 Start: 71492, Stop: 72390, Start Num: 8

Candidate Starts for SrishMeg2525_130:

(Start: 6 @71480 has 36 MA's), (Start: 8 @71492 has 123 MA's), (20, 71654), (22, 71690), (23, 71693), (25, 71708), (29, 71738), (31, 71780), (35, 71810), (47, 71912), (48, 71915), (55, 71960), (63,

72035), (85, 72371),

Gene: Stormageddon_42 Start: 42127, Stop: 43016, Start Num: 7

Candidate Starts for Stormageddon_42:

(5, 42121), (Start: 7 @42127 has 2 MA's), (24, 42349), (27, 42367), (30, 42400), (35, 42451), (38, 42475), (44, 42526), (51, 42574),

Gene: Stubby_124 Start: 69932, Stop: 70830, Start Num: 8

Candidate Starts for Stubby_124:

(Start: 6 @69920 has 36 MA's), (Start: 8 @69932 has 123 MA's), (20, 70094), (22, 70130), (23, 70133), (25, 70148), (29, 70178), (31, 70220), (35, 70250), (47, 70352), (48, 70355), (55, 70400), (63, 70475), (85, 70811),

Gene: StubbySaigey_135 Start: 70567, Stop: 71465, Start Num: 8

Candidate Starts for StubbySaigey_135:

(Start: 6 @70555 has 36 MA's), (Start: 8 @70567 has 123 MA's), (20, 70729), (22, 70765), (23, 70768), (25, 70783), (29, 70813), (31, 70855), (35, 70885), (47, 70987), (48, 70990), (55, 71035), (63, 71110), (85, 71446),

Gene: Teardrop_130 Start: 69898, Stop: 70796, Start Num: 8

Candidate Starts for Teardrop_130:

(Start: 6 @69886 has 36 MA's), (Start: 8 @69898 has 123 MA's), (20, 70060), (22, 70096), (23, 70099), (25, 70114), (29, 70144), (31, 70186), (35, 70216), (47, 70318), (48, 70321), (55, 70366), (63, 70441), (85, 70777),

Gene: TinyTim_131 Start: 71150, Stop: 72048, Start Num: 8

Candidate Starts for TinyTim_131:

(Start: 6 @71138 has 36 MA's), (Start: 8 @71150 has 123 MA's), (20, 71312), (22, 71348), (23, 71351), (25, 71366), (29, 71396), (31, 71438), (35, 71468), (47, 71570), (48, 71573), (55, 71618), (63, 71693), (85, 72029),

Gene: Tonenili_144 Start: 73928, Stop: 74826, Start Num: 8

Candidate Starts for Tonenili_144:

(Start: 6 @73916 has 36 MA's), (Start: 8 @73928 has 123 MA's), (18, 74084), (22, 74126), (23, 74129), (29, 74174), (31, 74216), (35, 74246), (47, 74348), (48, 74351), (49, 74357), (51, 74369), (55, 74396), (66, 74537), (78, 74771), (82, 74786), (84, 74798),

Gene: Tortoise16_128 Start: 70509, Stop: 71407, Start Num: 8

Candidate Starts for Tortoise16_128:

(Start: 6 @70497 has 36 MA's), (Start: 8 @70509 has 123 MA's), (20, 70671), (22, 70707), (23, 70710), (25, 70725), (29, 70755), (31, 70797), (35, 70827), (47, 70929), (48, 70932), (55, 70977), (63, 71052), (85, 71388),

Gene: Trinitium_129 Start: 70333, Stop: 71231, Start Num: 8

Candidate Starts for Trinitium_129:

(Start: 6 @70321 has 36 MA's), (Start: 8 @70333 has 123 MA's), (20, 70495), (22, 70531), (23, 70534), (25, 70549), (29, 70579), (31, 70621), (35, 70651), (47, 70753), (48, 70756), (55, 70801), (63, 70876), (85, 71212),

Gene: Turret_127 Start: 69778, Stop: 70676, Start Num: 8

Candidate Starts for Turret_127:

(Start: 6 @69766 has 36 MA's), (Start: 8 @69778 has 123 MA's), (20, 69940), (22, 69976), (23, 69979), (25, 69994), (29, 70024), (31, 70066), (35, 70096), (47, 70198), (48, 70201), (55, 70246), (63,

70321), (85, 70657),

Gene: Tyke_131 Start: 71793, Stop: 72703, Start Num: 6

Candidate Starts for Tyke_131:

(Start: 6 @71793 has 36 MA's), (Start: 8 @71805 has 123 MA's), (20, 71967), (22, 72003), (23, 72006), (25, 72021), (29, 72051), (31, 72093), (35, 72123), (47, 72225), (48, 72228), (55, 72273), (63, 72348), (85, 72684),

Gene: ValleyTerrace_132 Start: 70407, Stop: 71305, Start Num: 8

Candidate Starts for ValleyTerrace_132:

(Start: 6 @70395 has 36 MA's), (Start: 8 @70407 has 123 MA's), (20, 70569), (22, 70605), (23, 70608), (25, 70623), (29, 70653), (31, 70695), (35, 70725), (47, 70827), (48, 70830), (55, 70875), (63, 70950), (85, 71286),

Gene: Wally_130 Start: 69916, Stop: 70826, Start Num: 6

Candidate Starts for Wally_130:

(Start: 6 @69916 has 36 MA's), (Start: 8 @69928 has 123 MA's), (20, 70090), (22, 70126), (23, 70129), (25, 70144), (29, 70174), (31, 70216), (35, 70246), (47, 70348), (48, 70351), (55, 70396), (63, 70471), (85, 70807),

Gene: Willis_132 Start: 71283, Stop: 72193, Start Num: 6

Candidate Starts for Willis_132:

(Start: 6 @71283 has 36 MA's), (Start: 8 @71295 has 123 MA's), (20, 71457), (22, 71493), (23, 71496), (25, 71511), (29, 71541), (31, 71583), (35, 71613), (47, 71715), (48, 71718), (55, 71763), (63, 71838), (85, 72174),

Gene: Yassified_128 Start: 70005, Stop: 70903, Start Num: 8

Candidate Starts for Yassified_128:

(Start: 6 @69993 has 36 MA's), (Start: 8 @70005 has 123 MA's), (20, 70167), (22, 70203), (23, 70206), (25, 70221), (29, 70251), (31, 70293), (35, 70323), (47, 70425), (48, 70428), (55, 70473), (63, 70548), (85, 70884),

Gene: YemiJoy2021_132 Start: 71387, Stop: 72285, Start Num: 8

Candidate Starts for YemiJoy2021_132:

(Start: 6 @71375 has 36 MA's), (Start: 8 @71387 has 123 MA's), (20, 71549), (22, 71585), (23, 71588), (25, 71603), (29, 71633), (31, 71675), (35, 71705), (47, 71807), (48, 71810), (55, 71855), (63, 71930), (85, 72266),

Gene: YoungMoneyMata_133 Start: 71021, Stop: 71931, Start Num: 6

Candidate Starts for YoungMoneyMata_133:

(Start: 6 @71021 has 36 MA's), (Start: 8 @71033 has 123 MA's), (20, 71195), (22, 71231), (23, 71234), (25, 71249), (29, 71279), (31, 71321), (35, 71351), (47, 71453), (48, 71456), (55, 71501), (63, 71576), (85, 71912),

Gene: Yucca_130 Start: 71057, Stop: 71967, Start Num: 6

Candidate Starts for Yucca_130:

(Start: 6 @71057 has 36 MA's), (Start: 8 @71069 has 123 MA's), (20, 71231), (22, 71267), (23, 71270), (25, 71285), (29, 71315), (31, 71357), (35, 71387), (47, 71489), (48, 71492), (55, 71537), (63, 71612), (85, 71948),

Gene: Zalkecks_132 Start: 71070, Stop: 71968, Start Num: 8

Candidate Starts for Zalkecks_132:

(Start: 6 @71058 has 36 MA's), (Start: 8 @71070 has 123 MA's), (20, 71232), (22, 71268), (23, 71271), (25, 71286), (29, 71316), (31, 71358), (35, 71388), (47, 71490), (48, 71493), (55, 71538), (63, 71613), (85, 71949),

Gene: Zeenon_131 Start: 71155, Stop: 72053, Start Num: 8

Candidate Starts for Zeenon_131:

(Start: 6 @71143 has 36 MA's), (Start: 8 @71155 has 123 MA's), (20, 71317), (22, 71353), (23, 71356), (25, 71371), (29, 71401), (31, 71443), (35, 71473), (47, 71575), (48, 71578), (55, 71623), (63, 71698), (85, 72034),

Gene: ZygoTaiga_129 Start: 72315, Stop: 73213, Start Num: 8

Candidate Starts for ZygoTaiga_129:

(Start: 6 @72303 has 36 MA's), (Start: 8 @72315 has 123 MA's), (20, 72477), (22, 72513), (23, 72516), (25, 72531), (29, 72561), (31, 72603), (35, 72633), (47, 72735), (48, 72738), (55, 72783), (63, 72858), (85, 73194),