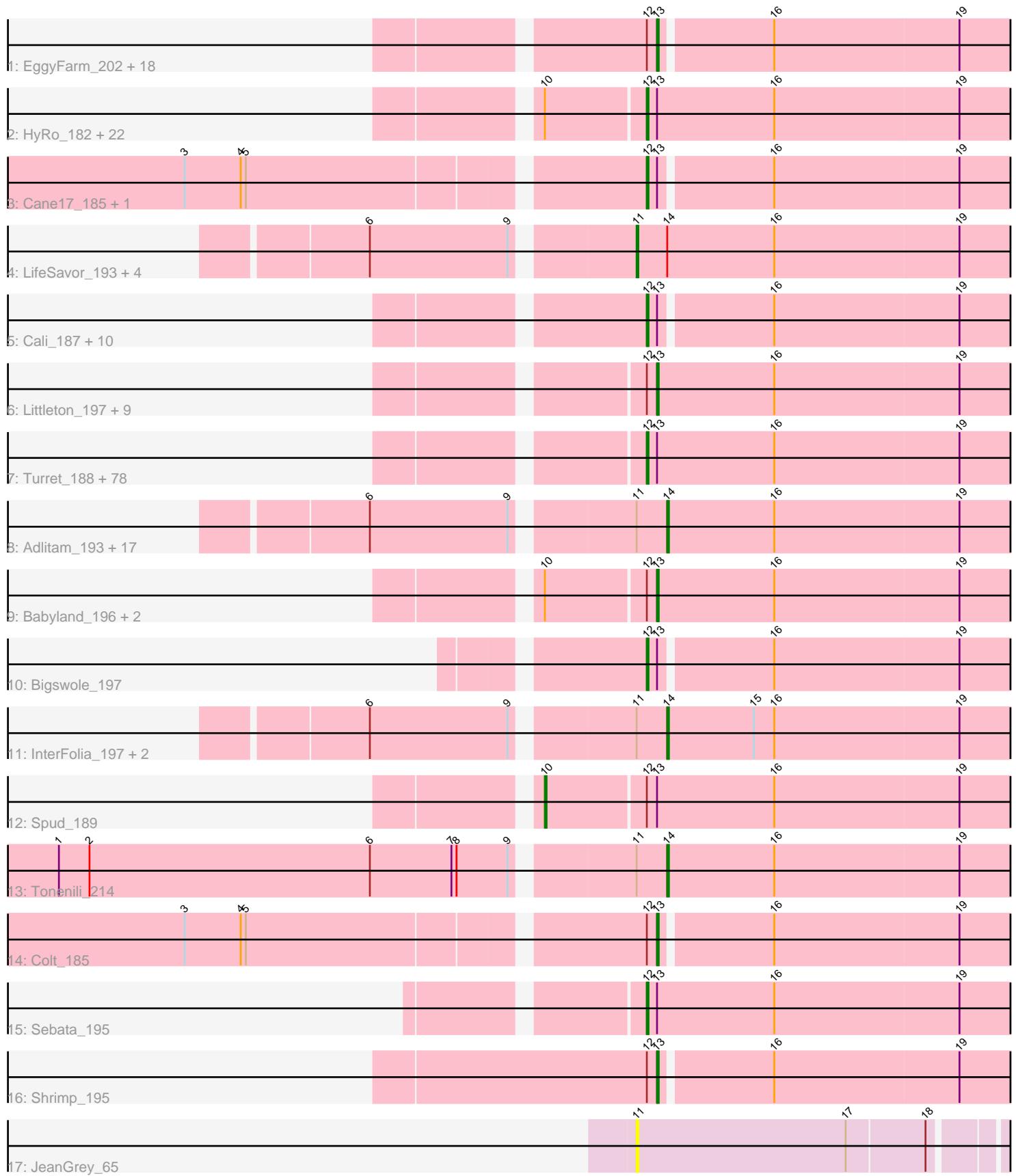


Pham 84951



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 84951 Report

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

Pham number 84951 has 180 members, 16 are drafts.

Phages represented in each track:

- Track 1 : EggFarm_202, Derek_191, BigCity_202, Ronan_189, LolaVinca_192, DTDevon_196, Guwapp_189, Breenieme_193, SmallFry_194, BananaFence_191, Concombre_198, ShiaLabeouf_191, I3_202, ArcherS7_193, Darko_193, Salacia_194, LordLeafolot_196, DirtMonster_187, Grasshills_201
- Track 2 : HyRo_182, Amataga_194, McWolfish_191, Phlegm_197, SilverDipper_197, Latch_193, Naija_194, Capablanca_198, Issimir_190, CindyLou_195, Momo_194, Mangeria_194, ScottMcG_187, TinyTim_192, RoMag_189, ValleyTerrace_194, Atlantean_193, Pivoine_194, InigoMontoya_196, Chomp_192, Ngannou_190, Bread_189, JPickles_190
- Track 3 : Cane17_185, Blubba_190
- Track 4 : LifeSavor_193, NuevoMundo_197, BadAgartude_188, Pier_195, Kamryn_193
- Track 5 : Cali_187, Sauce_190, Patter_194, FrayBell_197, Iota_188, YoungMoneyMata_193, Yassified_190, Astraea_188, Spec_189, Nappy_194, Jedediah_194
- Track 6 : Littleton_197, Roots515_196, Asterius_190, MikeLiesIn_195, Blackbrain_191, McGee_194, ChaylaJr_192, Pinkcreek_178, Lukilu_184, Zeenon_196
- Track 7 : Turret_188, BackyardAgain_191, JulietS_187, ZygoTaiga_190, Daffodil_198, Flabslab_190, Nidhogg_195, Rabinovich_188, Rahel_195, FudgeTart_189, Napoleon13_192, Audrick_197, ChickenPhender_191, Erdmann_195, Ading_194, Pleione_198, Kboogie_198, Cactojaque_190, BeanWater_185, Rizal_187, Ewok_193, Basquiat_192, Alice_181, Gizmo_199, Phox_194, Delylah_195, Bipolarisk_192, Khaleesi_193, Delilah_192, YemiJoy2021_194, Naval22_199, EasyJones_198, Ava3_192, Norm_193, NoodleTree_200, Megamind_191, LRRHood_186, Phusco_193, Melpomini_188, CharlieB_187, Zalkecks_193, Lee7_194, Quasimodo_197, JayJay_192, EmToTheThree_195, Wally_193, Koguma_192, Yucca_194, LinStu_192, Izajani_192, Charge21_192, Maby2021_193, Dietrick_184, DrPhinkDaddy_191, Matsumoto_194, Mikro_189, PurduePete_194, Jessibeth14_194, ET08_181, Fludd_195, Stubby_179, Trinitium_191, Grungle_179, Willis_194, StubbySaigey_198, ErnieJ_187, Jemmnno_193, Janiyra_198, Catera_188, NedWong_193, Morizzled23_192, Sprinklers_191, JustHall_189, Shaqnato_186, Ghost_194, SrishMeg2525_191, Loanshark_191, Bonray_196, ParkTD_192
- Track 8 : Adlitam_193, Teardrop_191, Pio_202, Burrough_196, IkeLoa_186, Gabriel_197, Tyke_192, Essence_191, Bangla1971_194, Caravan_184, EmmaElysia_197, Specks_198, Jaygup_190, Drazdys_192, Shnickers_192,

- Tortoise16_192, QBert_185, Shelob_195
- Track 9 : Babyland_196, StephanieG_191, Gamgam_194
 - Track 10 : Bigswole_197
 - Track 11 : InterFolia_197, FoxtrotP1_192, Dandelion_201
 - Track 12 : Spud_189
 - Track 13 : Tonenili_214
 - Track 14 : Colt_185
 - Track 15 : Sebata_195
 - Track 16 : Shrimp_195
 - Track 17 : JeanGrey_65

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

The start number called the most often in the published annotations is 12, it was called in 108 of the 164 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_194, Alice_181, Amataga_194, Astraea_188, Atlantean_193, Audrick_197, Ava3_192, BackyardAgain_191, Basquiat_192, BeanWater_185, Bigswole_197, Bipolarisk_192, Blubba_190, Bonray_196, Bread_189, Cactojaque_190, Cali_187, Cane17_185, Capablanca_198, Catera_188, Chargie21_192, CharlieB_187, ChickenPhender_191, Chomp_192, CindyLou_195, Daffodil_198, Delilah_192, Delylah_195, Dietrick_184, DrPhinkDaddy_191, ET08_181, EasyJones_198, EmToTheThree_195, Erdmann_195, ErnieJ_187, Ewok_193, Flabslab_190, Fludd_195, FrayBell_197, FudgeTart_189, Ghost_194, Gizmo_199, Grungle_179, HyRo_182, InigoMontoya_196, Iota_188, Issimir_190, Izajani_192, JPickles_190, Janiyra_198, JayJay_192, Jedediah_194, Jemmno_193, Jessibeth14_194, JulietS_187, JustHall_189, Kboogie_198, Khaleesi_193, Koguma_192, LRRHood_186, Latch_193, Lee7_194, LinStu_192, Loanshark_191, Maby2021_193, Mangeria_194, Matsumoto_194, McWolfish_191, Megamind_191, Melpomini_188, Mikro_189, Momo_194, Morizzled23_192, Naija_194, Napoleon13_192, Nappy_194, Naval22_199, NedWong_193, Ngannou_190, Nidhogg_195, NoodleTree_200, Norm_193, ParkTD_192, Patter_194, Phlegm_197, Phox_194, Phusco_193, Pivoine_194, Pleione_198, PurduePete_194, Quasimodo_197, Rabinovish_188, Rahel_195, Rizal_187, RoMag_189, Sauce_190, ScottMcG_187, Sebata_195, Shaqnato_186, SilverDipper_197, Spec_189, Sprinklers_191, SrishMeg2525_191, StubbySaigey_198, Stubby_179, TinyTim_192, Trinitium_191, Turret_188, ValleyTerrace_194, Wally_193, Willis_194, Yassified_190, YemiJoy2021_194, YoungMoneyMata_193, Yucca_194, Zalkecks_193, ZygoTaiga_190,

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

- ArcherS7_193, Asterius_190, Babyland_196, BananaFence_191, BigCity_202, Blackbrain_191, Breenieme_193, ChaylaJr_192, Colt_185, Concombre_198, DTDevon_196, Darko_193, Derek_191, DirtMonster_187, EggyFarm_202, Gamgam_194, Grasshills_201, Guwapp_189, I3_202, Littleton_197, LolaVinca_192, LordLeafolot_196, Lukilu_184, McGee_194, MikeLiesln_195, Pinkcreek_178, Ronan_189, Roots515_196, Salacia_194, ShiaLabeouf_191, Shrimp_195, SmallFry_194, Spud_189, StephanieG_191, Zeenon_196,

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

- Adlitam_193, BadAgartude_188, Bangla1971_194, Burrough_196, Caravan_184, Dandelion_201, Drazdys_192, EmmaElysia_197, Essence_191, FoxtrotP1_192, Gabriel_197, IkeLoa_186, InterFolia_197, Jaygup_190, JeanGrey_65, Kamryn_193, LifeSavor_193, NuevoMundo_197, Pier_195, Pio_202, QBert_185, Shelob_195, Shnickers_192, Specks_198, Teardrop_191, Tonenili_214, Tortoise16_192, Tyke_192,

Summary by start number:

Start 10:

- Found in 27 of 180 (15.0%) of genes in pham
- Manual Annotations of this start: 1 of 164
- Called 3.7% of time when present
- Phage (with cluster) where this start called: Spud_189 (C1),

Start 11:

- Found in 28 of 180 (15.6%) of genes in pham
- Manual Annotations of this start: 5 of 164
- Called 21.4% of time when present
- Phage (with cluster) where this start called: BadAgartude_188 (C1), JeanGrey_65 (singleton), Kamryn_193 (C1), LifeSavor_193 (C1), NuevoMundo_197 (C1), Pier_195 (C1),

Start 12:

- Found in 152 of 180 (84.4%) of genes in pham
- Manual Annotations of this start: 108 of 164
- Called 77.0% of time when present
- Phage (with cluster) where this start called: Ading_194 (C1), Alice_181 (C1), Amataga_194 (C1), Astraea_188 (C1), Atlantean_193 (C1), Audrick_197 (C1), Ava3_192 (C1), BackyardAgain_191 (C1), Basquiat_192 (C1), BeanWater_185 (C1), Bigswole_197 (C1), Bipolarisk_192 (C1), Blubba_190 (C1), Bonray_196 (C1), Bread_189 (C1), Cactojaque_190 (C1), Cali_187 (C1), Cane17_185 (C1), Capablanca_198 (C1), Catera_188 (C1), Chargie21_192 (C1), CharlieB_187 (C1), ChickenPhender_191 (C1), Chomp_192 (C1), CindyLou_195 (C1), Daffodil_198 (C1), Delilah_192 (C1), Delylah_195 (C1), Dietrick_184 (C1), DrPhinkDaddy_191 (C1), ET08_181 (C1), EasyJones_198 (C1), EmToTheThree_195 (C1), Erdmann_195 (C1), ErnieJ_187 (C1), Ewok_193 (C1), Flabslab_190 (C1), Fludd_195 (C1), FrayBell_197 (C1), FudgeTart_189 (C1), Ghost_194 (C1), Gizmo_199 (C1), Grungle_179 (C1), HyRo_182 (C1), InigoMontoya_196 (C1), Iota_188 (C1), Issimir_190 (C1), Izajani_192 (C1), JPickles_190 (C1), Janiyra_198 (C1), JayJay_192 (C1), Jedediah_194 (C1), Jemmno_193 (C1), Jessibeth14_194 (C1), JulietS_187 (C1), JustHall_189 (C1), Kboogie_198 (C1), Khaleesi_193 (C1), Koguma_192 (C1), LRRHood_186 (C1), Latch_193 (C1), Lee7_194 (C1), LinStu_192 (C1), Loanshark_191 (C1), Maby2021_193 (C1), Mangeria_194 (C1), Matsumoto_194 (C1), McWolfish_191 (C1), Megamind_191 (C1), Melpomini_188 (C1), Mikro_189 (C1), Momo_194 (C1), Morizzled23_192 (C1), Naija_194 (C1), Napoleon13_192 (C1), Nappy_194 (C1), Naval22_199 (C1), NedWong_193 (C1), Ngannou_190 (C1), Nidhogg_195 (C1), NoodleTree_200 (C1), Norm_193 (C1), ParkTD_192 (C1), Patter_194 (C1), Phlegm_197 (C1), Phox_194 (C1), Phusco_193 (C1), Pivoine_194 (C1), Pleione_198 (C1), PurduePete_194 (C1), Quasimodo_197 (C1), Rabinovish_188 (C1), Rahel_195 (C1), Rizal_187 (C1), RoMag_189 (C1), Sauce_190 (C1), ScottMcG_187 (C1), Sebata_195 (C1), Shaqnato_186 (C1), SilverDipper_197 (C1), Spec_189 (C1), Sprinklers_191 (C1), SrishMeg2525_191

(C1), StubbySaigey_198 (C1), Stubby_179 (C1), TinyTim_192 (C1), Trinitium_191 (C1), Turret_188 (C1), ValleyTerrace_194 (C1), Wally_193 (C1), Willis_194 (C1), Yassified_190 (C1), YemiJoy2021_194 (C1), YoungMoneyMata_193 (C1), Yucca_194 (C1), Zalkecks_193 (C1), ZygoTaiga_190 (C1),

Start 13:

- Found in 152 of 180 (84.4%) of genes in pham
- Manual Annotations of this start: 28 of 164
- Called 22.4% of time when present
- Phage (with cluster) where this start called: ArcherS7_193 (C1), Asterius_190 (C1), Babyland_196 (C1), BananaFence_191 (C1), BigCity_202 (C1), Blackbrain_191 (C1), Breeniome_193 (C1), ChaylaJr_192 (C1), Colt_185 (C1), Concombre_198 (C1), DTDDevon_196 (C1), Darko_193 (C1), Derek_191 (C1), DirtMonster_187 (C1), EggyFarm_202 (C1), Gamgam_194 (C1), Grasshills_201 (C1), Guwapp_189 (C1), I3_202 (C1), Littleton_197 (C1), LolaVinca_192 (C1), LordLeafolot_196 (C1), Lukilu_184 (C1), McGee_194 (C1), MikeLiesIn_195 (C1), Pinkcreek_178 (C1), Ronan_189 (C1), Roots515_196 (C1), Salacia_194 (C1), ShiaLabeouf_191 (C1), Shrimp_195 (C1), SmallFry_194 (C1), StephanieG_191 (C1), Zeenon_196 (C1),

Start 14:

- Found in 27 of 180 (15.0%) of genes in pham
- Manual Annotations of this start: 22 of 164
- Called 81.5% of time when present
- Phage (with cluster) where this start called: Adlitam_193 (C1), Bangla1971_194 (C1), Burrough_196 (C1), Caravan_184 (C1), Dandelion_201 (C1), Drazdys_192 (C1), EmmaElysia_197 (C1), Essence_191 (C1), FoxtrotP1_192 (C1), Gabriel_197 (C1), IkeLoa_186 (C1), InterFolia_197 (C1), Jaygup_190 (C1), Pio_202 (C1), QBert_185 (C1), Shelob_195 (C1), Shnickers_192 (C1), Specks_198 (C1), Teardrop_191 (C1), Tonenili_214 (C1), Tortoise16_192 (C1), Tyke_192 (C1),

Summary by clusters:

There are 2 clusters represented in this pham: C1, singleton,

Info for manual annotations of cluster C1:

- Start number 10 was manually annotated 1 time for cluster C1.
- Start number 11 was manually annotated 5 times for cluster C1.
- Start number 12 was manually annotated 108 times for cluster C1.
- Start number 13 was manually annotated 28 times for cluster C1.
- Start number 14 was manually annotated 22 times for cluster C1.

Gene Information:

Gene: Ading_194 Start: 103080, Stop: 103346, Start Num: 12

Candidate Starts for Ading_194:

(Start: 12 @103080 has 108 MA's), (Start: 13 @103086 has 28 MA's), (16, 103155), (19, 103263),

Gene: Adlitam_193 Start: 102179, Stop: 102433, Start Num: 14

Candidate Starts for Adlitam_193:

(6, 102017), (9, 102098), (Start: 11 @102161 has 5 MA's), (Start: 14 @102179 has 22 MA's), (16, 102242), (19, 102350),

Gene: Alice_181 Start: 102135, Stop: 102401, Start Num: 12
Candidate Starts for Alice_181:
(Start: 12 @102135 has 108 MA's), (Start: 13 @102141 has 28 MA's), (16, 102210), (19, 102318),

Gene: Amataga_194 Start: 101496, Stop: 101762, Start Num: 12
Candidate Starts for Amataga_194:
(Start: 10 @101439 has 1 MA's), (Start: 12 @101496 has 108 MA's), (Start: 13 @101502 has 28 MA's), (16, 101571), (19, 101679),

Gene: ArcherS7_193 Start: 102535, Stop: 102789, Start Num: 13
Candidate Starts for ArcherS7_193:
(Start: 12 @102529 has 108 MA's), (Start: 13 @102535 has 28 MA's), (16, 102598), (19, 102706),

Gene: Asterius_190 Start: 102219, Stop: 102479, Start Num: 13
Candidate Starts for Asterius_190:
(Start: 12 @102213 has 108 MA's), (Start: 13 @102219 has 28 MA's), (16, 102288), (19, 102396),

Gene: Astraea_188 Start: 101591, Stop: 101851, Start Num: 12
Candidate Starts for Astraea_188:
(Start: 12 @101591 has 108 MA's), (Start: 13 @101597 has 28 MA's), (16, 101660), (19, 101768),

Gene: Atlantean_193 Start: 101496, Stop: 101762, Start Num: 12
Candidate Starts for Atlantean_193:
(Start: 10 @101439 has 1 MA's), (Start: 12 @101496 has 108 MA's), (Start: 13 @101502 has 28 MA's), (16, 101571), (19, 101679),

Gene: Audrick_197 Start: 102178, Stop: 102444, Start Num: 12
Candidate Starts for Audrick_197:
(Start: 12 @102178 has 108 MA's), (Start: 13 @102184 has 28 MA's), (16, 102253), (19, 102361),

Gene: Ava3_192 Start: 102239, Stop: 102505, Start Num: 12
Candidate Starts for Ava3_192:
(Start: 12 @102239 has 108 MA's), (Start: 13 @102245 has 28 MA's), (16, 102314), (19, 102422),

Gene: Babyland_196 Start: 102279, Stop: 102539, Start Num: 13
Candidate Starts for Babyland_196:
(Start: 10 @102216 has 1 MA's), (Start: 12 @102273 has 108 MA's), (Start: 13 @102279 has 28 MA's), (16, 102348), (19, 102456),

Gene: BackyardAgain_191 Start: 100974, Stop: 101240, Start Num: 12
Candidate Starts for BackyardAgain_191:
(Start: 12 @100974 has 108 MA's), (Start: 13 @100980 has 28 MA's), (16, 101049), (19, 101157),

Gene: BadAgartude_188 Start: 102072, Stop: 102344, Start Num: 11
Candidate Starts for BadAgartude_188:
(6, 101928), (9, 102009), (Start: 11 @102072 has 5 MA's), (Start: 14 @102090 has 22 MA's), (16, 102153), (19, 102261),

Gene: BananaFence_191 Start: 102226, Stop: 102480, Start Num: 13
Candidate Starts for BananaFence_191:
(Start: 12 @102220 has 108 MA's), (Start: 13 @102226 has 28 MA's), (16, 102289), (19, 102397),

Gene: Bangla1971_194 Start: 101997, Stop: 102251, Start Num: 14

Candidate Starts for Bangla1971_194:

(6, 101835), (9, 101916), (Start: 11 @101979 has 5 MA's), (Start: 14 @101997 has 22 MA's), (16, 102060), (19, 102168),

Gene: Basquiat_192 Start: 101800, Stop: 102066, Start Num: 12

Candidate Starts for Basquiat_192:

(Start: 12 @101800 has 108 MA's), (Start: 13 @101806 has 28 MA's), (16, 101875), (19, 101983),

Gene: BeanWater_185 Start: 101540, Stop: 101806, Start Num: 12

Candidate Starts for BeanWater_185:

(Start: 12 @101540 has 108 MA's), (Start: 13 @101546 has 28 MA's), (16, 101615), (19, 101723),

Gene: BigCity_202 Start: 105114, Stop: 105368, Start Num: 13

Candidate Starts for BigCity_202:

(Start: 12 @105108 has 108 MA's), (Start: 13 @105114 has 28 MA's), (16, 105177), (19, 105285),

Gene: Bigswole_197 Start: 104781, Stop: 105044, Start Num: 12

Candidate Starts for Bigswole_197:

(Start: 12 @104781 has 108 MA's), (Start: 13 @104787 has 28 MA's), (16, 104850), (19, 104958),

Gene: Bipolarisk_192 Start: 102507, Stop: 102773, Start Num: 12

Candidate Starts for Bipolarisk_192:

(Start: 12 @102507 has 108 MA's), (Start: 13 @102513 has 28 MA's), (16, 102582), (19, 102690),

Gene: Blackbrain_191 Start: 102408, Stop: 102668, Start Num: 13

Candidate Starts for Blackbrain_191:

(Start: 12 @102402 has 108 MA's), (Start: 13 @102408 has 28 MA's), (16, 102477), (19, 102585),

Gene: Blubba_190 Start: 105622, Stop: 105903, Start Num: 12

Candidate Starts for Blubba_190:

(3, 105367), (4, 105400), (5, 105403), (Start: 12 @105622 has 108 MA's), (Start: 13 @105628 has 28 MA's), (16, 105691), (19, 105799),

Gene: Bonray_196 Start: 103910, Stop: 104176, Start Num: 12

Candidate Starts for Bonray_196:

(Start: 12 @103910 has 108 MA's), (Start: 13 @103916 has 28 MA's), (16, 103985), (19, 104093),

Gene: Bread_189 Start: 101908, Stop: 102174, Start Num: 12

Candidate Starts for Bread_189:

(Start: 10 @101851 has 1 MA's), (Start: 12 @101908 has 108 MA's), (Start: 13 @101914 has 28 MA's), (16, 101983), (19, 102091),

Gene: Breeniome_193 Start: 101548, Stop: 101802, Start Num: 13

Candidate Starts for Breeniome_193:

(Start: 12 @101542 has 108 MA's), (Start: 13 @101548 has 28 MA's), (16, 101611), (19, 101719),

Gene: Burrough_196 Start: 103864, Stop: 104118, Start Num: 14

Candidate Starts for Burrough_196:

(6, 103702), (9, 103783), (Start: 11 @103846 has 5 MA's), (Start: 14 @103864 has 22 MA's), (16, 103927), (19, 104035),

Gene: Cactojaque_190 Start: 101820, Stop: 102086, Start Num: 12

Candidate Starts for Cactojaque_190:
(Start: 12 @101820 has 108 MA's), (Start: 13 @101826 has 28 MA's), (16, 101895), (19, 102003),

Gene: Cali_187 Start: 103296, Stop: 103556, Start Num: 12

Candidate Starts for Cali_187:
(Start: 12 @103296 has 108 MA's), (Start: 13 @103302 has 28 MA's), (16, 103365), (19, 103473),

Gene: Cane17_185 Start: 106031, Stop: 106312, Start Num: 12

Candidate Starts for Cane17_185:
(3, 105776), (4, 105809), (5, 105812), (Start: 12 @106031 has 108 MA's), (Start: 13 @106037 has 28 MA's), (16, 106100), (19, 106208),

Gene: Capablanca_198 Start: 104505, Stop: 104771, Start Num: 12

Candidate Starts for Capablanca_198:
(Start: 10 @104448 has 1 MA's), (Start: 12 @104505 has 108 MA's), (Start: 13 @104511 has 28 MA's), (16, 104580), (19, 104688),

Gene: Caravan_184 Start: 102325, Stop: 102579, Start Num: 14

Candidate Starts for Caravan_184:
(6, 102163), (9, 102244), (Start: 11 @102307 has 5 MA's), (Start: 14 @102325 has 22 MA's), (16, 102388), (19, 102496),

Gene: Catera_188 Start: 101500, Stop: 101766, Start Num: 12

Candidate Starts for Catera_188:
(Start: 12 @101500 has 108 MA's), (Start: 13 @101506 has 28 MA's), (16, 101575), (19, 101683),

Gene: Chargeie21_192 Start: 101800, Stop: 102066, Start Num: 12

Candidate Starts for Chargeie21_192:
(Start: 12 @101800 has 108 MA's), (Start: 13 @101806 has 28 MA's), (16, 101875), (19, 101983),

Gene: CharlieB_187 Start: 101742, Stop: 102008, Start Num: 12

Candidate Starts for CharlieB_187:
(Start: 12 @101742 has 108 MA's), (Start: 13 @101748 has 28 MA's), (16, 101817), (19, 101925),

Gene: ChaylaJr_192 Start: 102234, Stop: 102494, Start Num: 13

Candidate Starts for ChaylaJr_192:
(Start: 12 @102228 has 108 MA's), (Start: 13 @102234 has 28 MA's), (16, 102303), (19, 102411),

Gene: ChickenPhender_191 Start: 101947, Stop: 102213, Start Num: 12

Candidate Starts for ChickenPhender_191:
(Start: 12 @101947 has 108 MA's), (Start: 13 @101953 has 28 MA's), (16, 102022), (19, 102130),

Gene: Chomp_192 Start: 102785, Stop: 103051, Start Num: 12

Candidate Starts for Chomp_192:
(Start: 10 @102728 has 1 MA's), (Start: 12 @102785 has 108 MA's), (Start: 13 @102791 has 28 MA's), (16, 102860), (19, 102968),

Gene: CindyLou_195 Start: 103528, Stop: 103794, Start Num: 12

Candidate Starts for CindyLou_195:
(Start: 10 @103471 has 1 MA's), (Start: 12 @103528 has 108 MA's), (Start: 13 @103534 has 28 MA's), (16, 103603), (19, 103711),

Gene: Colt_185 Start: 105268, Stop: 105543, Start Num: 13

Candidate Starts for Colt_185:

(3, 105007), (4, 105040), (5, 105043), (Start: 12 @105262 has 108 MA's), (Start: 13 @105268 has 28 MA's), (16, 105331), (19, 105439),

Gene: Concombre_198 Start: 104645, Stop: 104899, Start Num: 13

Candidate Starts for Concombre_198:

(Start: 12 @104639 has 108 MA's), (Start: 13 @104645 has 28 MA's), (16, 104708), (19, 104816),

Gene: DTDevon_196 Start: 104029, Stop: 104283, Start Num: 13

Candidate Starts for DTDevon_196:

(Start: 12 @104023 has 108 MA's), (Start: 13 @104029 has 28 MA's), (16, 104092), (19, 104200),

Gene: Daffodil_198 Start: 102807, Stop: 103073, Start Num: 12

Candidate Starts for Daffodil_198:

(Start: 12 @102807 has 108 MA's), (Start: 13 @102813 has 28 MA's), (16, 102882), (19, 102990),

Gene: Dandelion_201 Start: 106453, Stop: 106707, Start Num: 14

Candidate Starts for Dandelion_201:

(6, 106291), (9, 106372), (Start: 11 @106435 has 5 MA's), (Start: 14 @106453 has 22 MA's), (15, 106504), (16, 106516), (19, 106624),

Gene: Darko_193 Start: 102230, Stop: 102484, Start Num: 13

Candidate Starts for Darko_193:

(Start: 12 @102224 has 108 MA's), (Start: 13 @102230 has 28 MA's), (16, 102293), (19, 102401),

Gene: Delilah_192 Start: 102925, Stop: 103191, Start Num: 12

Candidate Starts for Delilah_192:

(Start: 12 @102925 has 108 MA's), (Start: 13 @102931 has 28 MA's), (16, 103000), (19, 103108),

Gene: Delylah_195 Start: 102906, Stop: 103172, Start Num: 12

Candidate Starts for Delylah_195:

(Start: 12 @102906 has 108 MA's), (Start: 13 @102912 has 28 MA's), (16, 102981), (19, 103089),

Gene: Derek_191 Start: 102557, Stop: 102811, Start Num: 13

Candidate Starts for Derek_191:

(Start: 12 @102551 has 108 MA's), (Start: 13 @102557 has 28 MA's), (16, 102620), (19, 102728),

Gene: Dietrick_184 Start: 101530, Stop: 101796, Start Num: 12

Candidate Starts for Dietrick_184:

(Start: 12 @101530 has 108 MA's), (Start: 13 @101536 has 28 MA's), (16, 101605), (19, 101713),

Gene: DirtMonster_187 Start: 102299, Stop: 102553, Start Num: 13

Candidate Starts for DirtMonster_187:

(Start: 12 @102293 has 108 MA's), (Start: 13 @102299 has 28 MA's), (16, 102362), (19, 102470),

Gene: DrPhinkDaddy_191 Start: 103586, Stop: 103852, Start Num: 12

Candidate Starts for DrPhinkDaddy_191:

(Start: 12 @103586 has 108 MA's), (Start: 13 @103592 has 28 MA's), (16, 103661), (19, 103769),

Gene: Drazdys_192 Start: 102674, Stop: 102928, Start Num: 14

Candidate Starts for Drazdys_192:

(6, 102512), (9, 102593), (Start: 11 @102656 has 5 MA's), (Start: 14 @102674 has 22 MA's), (16, 102737), (19, 102845),

Gene: ET08_181 Start: 101776, Stop: 102042, Start Num: 12
Candidate Starts for ET08_181:
(Start: 12 @101776 has 108 MA's), (Start: 13 @101782 has 28 MA's), (16, 101851), (19, 101959),

Gene: EasyJones_198 Start: 103042, Stop: 103308, Start Num: 12
Candidate Starts for EasyJones_198:
(Start: 12 @103042 has 108 MA's), (Start: 13 @103048 has 28 MA's), (16, 103117), (19, 103225),

Gene: EggyFarm_202 Start: 105115, Stop: 105369, Start Num: 13
Candidate Starts for EggyFarm_202:
(Start: 12 @105109 has 108 MA's), (Start: 13 @105115 has 28 MA's), (16, 105178), (19, 105286),

Gene: EmToTheThree_195 Start: 103442, Stop: 103708, Start Num: 12
Candidate Starts for EmToTheThree_195:
(Start: 12 @103442 has 108 MA's), (Start: 13 @103448 has 28 MA's), (16, 103517), (19, 103625),

Gene: EmmaElysia_197 Start: 103164, Stop: 103418, Start Num: 14
Candidate Starts for EmmaElysia_197:
(6, 103002), (9, 103083), (Start: 11 @103146 has 5 MA's), (Start: 14 @103164 has 22 MA's), (16, 103227), (19, 103335),

Gene: Erdmann_195 Start: 102917, Stop: 103183, Start Num: 12
Candidate Starts for Erdmann_195:
(Start: 12 @102917 has 108 MA's), (Start: 13 @102923 has 28 MA's), (16, 102992), (19, 103100),

Gene: ErnieJ_187 Start: 101222, Stop: 101488, Start Num: 12
Candidate Starts for ErnieJ_187:
(Start: 12 @101222 has 108 MA's), (Start: 13 @101228 has 28 MA's), (16, 101297), (19, 101405),

Gene: Essence_191 Start: 101886, Stop: 102140, Start Num: 14
Candidate Starts for Essence_191:
(6, 101724), (9, 101805), (Start: 11 @101868 has 5 MA's), (Start: 14 @101886 has 22 MA's), (16, 101949), (19, 102057),

Gene: Ewok_193 Start: 102836, Stop: 103102, Start Num: 12
Candidate Starts for Ewok_193:
(Start: 12 @102836 has 108 MA's), (Start: 13 @102842 has 28 MA's), (16, 102911), (19, 103019),

Gene: Flabslab_190 Start: 101364, Stop: 101630, Start Num: 12
Candidate Starts for Flabslab_190:
(Start: 12 @101364 has 108 MA's), (Start: 13 @101370 has 28 MA's), (16, 101439), (19, 101547),

Gene: Fludd_195 Start: 102755, Stop: 103021, Start Num: 12
Candidate Starts for Fludd_195:
(Start: 12 @102755 has 108 MA's), (Start: 13 @102761 has 28 MA's), (16, 102830), (19, 102938),

Gene: FoxtrotP1_192 Start: 103528, Stop: 103782, Start Num: 14
Candidate Starts for FoxtrotP1_192:
(6, 103366), (9, 103447), (Start: 11 @103510 has 5 MA's), (Start: 14 @103528 has 22 MA's), (15, 103579), (16, 103591), (19, 103699),

Gene: FrayBell_197 Start: 102543, Stop: 102803, Start Num: 12

Candidate Starts for FrayBell_197:

(Start: 12 @102543 has 108 MA's), (Start: 13 @102549 has 28 MA's), (16, 102612), (19, 102720),

Gene: FudgeTart_189 Start: 101983, Stop: 102249, Start Num: 12

Candidate Starts for FudgeTart_189:

(Start: 12 @101983 has 108 MA's), (Start: 13 @101989 has 28 MA's), (16, 102058), (19, 102166),

Gene: Gabriel_197 Start: 101624, Stop: 101878, Start Num: 14

Candidate Starts for Gabriel_197:

(6, 101462), (9, 101543), (Start: 11 @101606 has 5 MA's), (Start: 14 @101624 has 22 MA's), (16, 101687), (19, 101795),

Gene: Gamgam_194 Start: 101492, Stop: 101752, Start Num: 13

Candidate Starts for Gamgam_194:

(Start: 10 @101429 has 1 MA's), (Start: 12 @101486 has 108 MA's), (Start: 13 @101492 has 28 MA's), (16, 101561), (19, 101669),

Gene: Ghost_194 Start: 102199, Stop: 102465, Start Num: 12

Candidate Starts for Ghost_194:

(Start: 12 @102199 has 108 MA's), (Start: 13 @102205 has 28 MA's), (16, 102274), (19, 102382),

Gene: Gizmo_199 Start: 104834, Stop: 105100, Start Num: 12

Candidate Starts for Gizmo_199:

(Start: 12 @104834 has 108 MA's), (Start: 13 @104840 has 28 MA's), (16, 104909), (19, 105017),

Gene: Grasshills_201 Start: 105114, Stop: 105368, Start Num: 13

Candidate Starts for Grasshills_201:

(Start: 12 @105108 has 108 MA's), (Start: 13 @105114 has 28 MA's), (16, 105177), (19, 105285),

Gene: Grungle_179 Start: 100236, Stop: 100502, Start Num: 12

Candidate Starts for Grungle_179:

(Start: 12 @100236 has 108 MA's), (Start: 13 @100242 has 28 MA's), (16, 100311), (19, 100419),

Gene: Guwapp_189 Start: 100736, Stop: 100990, Start Num: 13

Candidate Starts for Guwapp_189:

(Start: 12 @100730 has 108 MA's), (Start: 13 @100736 has 28 MA's), (16, 100799), (19, 100907),

Gene: HyRo_182 Start: 102233, Stop: 102499, Start Num: 12

Candidate Starts for HyRo_182:

(Start: 10 @102176 has 1 MA's), (Start: 12 @102233 has 108 MA's), (Start: 13 @102239 has 28 MA's), (16, 102308), (19, 102416),

Gene: I3_202 Start: 104195, Stop: 104452, Start Num: 13

Candidate Starts for I3_202:

(Start: 12 @104189 has 108 MA's), (Start: 13 @104195 has 28 MA's), (16, 104258), (19, 104366),

Gene: IkeLoa_186 Start: 101643, Stop: 101897, Start Num: 14

Candidate Starts for IkeLoa_186:

(6, 101481), (9, 101562), (Start: 11 @101625 has 5 MA's), (Start: 14 @101643 has 22 MA's), (16, 101706), (19, 101814),

Gene: InigoMontoya_196 Start: 102160, Stop: 102426, Start Num: 12

Candidate Starts for InigoMontoya_196:

(Start: 10 @102103 has 1 MA's), (Start: 12 @102160 has 108 MA's), (Start: 13 @102166 has 28 MA's), (16, 102235), (19, 102343),

Gene: InterFolia_197 Start: 104355, Stop: 104609, Start Num: 14

Candidate Starts for InterFolia_197:

(6, 104193), (9, 104274), (Start: 11 @104337 has 5 MA's), (Start: 14 @104355 has 22 MA's), (15, 104406), (16, 104418), (19, 104526),

Gene: Iota_188 Start: 101836, Stop: 102096, Start Num: 12

Candidate Starts for Iota_188:

(Start: 12 @101836 has 108 MA's), (Start: 13 @101842 has 28 MA's), (16, 101905), (19, 102013),

Gene: Issimir_190 Start: 102107, Stop: 102373, Start Num: 12

Candidate Starts for Issimir_190:

(Start: 10 @102050 has 1 MA's), (Start: 12 @102107 has 108 MA's), (Start: 13 @102113 has 28 MA's), (16, 102182), (19, 102290),

Gene: Izajani_192 Start: 102976, Stop: 103242, Start Num: 12

Candidate Starts for Izajani_192:

(Start: 12 @102976 has 108 MA's), (Start: 13 @102982 has 28 MA's), (16, 103051), (19, 103159),

Gene: JPickles_190 Start: 100628, Stop: 100894, Start Num: 12

Candidate Starts for JPickles_190:

(Start: 10 @100571 has 1 MA's), (Start: 12 @100628 has 108 MA's), (Start: 13 @100634 has 28 MA's), (16, 100703), (19, 100811),

Gene: Janiyra_198 Start: 103177, Stop: 103443, Start Num: 12

Candidate Starts for Janiyra_198:

(Start: 12 @103177 has 108 MA's), (Start: 13 @103183 has 28 MA's), (16, 103252), (19, 103360),

Gene: JayJay_192 Start: 103391, Stop: 103657, Start Num: 12

Candidate Starts for JayJay_192:

(Start: 12 @103391 has 108 MA's), (Start: 13 @103397 has 28 MA's), (16, 103466), (19, 103574),

Gene: Jaygup_190 Start: 101701, Stop: 101955, Start Num: 14

Candidate Starts for Jaygup_190:

(6, 101539), (9, 101620), (Start: 11 @101683 has 5 MA's), (Start: 14 @101701 has 22 MA's), (16, 101764), (19, 101872),

Gene: JeanGrey_65 Start: 52192, Stop: 52446, Start Num: 11

Candidate Starts for JeanGrey_65:

(Start: 11 @52192 has 5 MA's), (17, 52315), (18, 52360),

Gene: Jedediah_194 Start: 102748, Stop: 103008, Start Num: 12

Candidate Starts for Jedediah_194:

(Start: 12 @102748 has 108 MA's), (Start: 13 @102754 has 28 MA's), (16, 102817), (19, 102925),

Gene: Jemmno_193 Start: 101571, Stop: 101837, Start Num: 12

Candidate Starts for Jemmno_193:

(Start: 12 @101571 has 108 MA's), (Start: 13 @101577 has 28 MA's), (16, 101646), (19, 101754),

Gene: Jessibeth14_194 Start: 103585, Stop: 103851, Start Num: 12

Candidate Starts for Jessibeth14_194:

(Start: 12 @103585 has 108 MA's), (Start: 13 @103591 has 28 MA's), (16, 103660), (19, 103768),

Gene: JulietS_187 Start: 99860, Stop: 100126, Start Num: 12

Candidate Starts for JulietS_187:

(Start: 12 @99860 has 108 MA's), (Start: 13 @99866 has 28 MA's), (16, 99935), (19, 100043),

Gene: JustHall_189 Start: 102084, Stop: 102350, Start Num: 12

Candidate Starts for JustHall_189:

(Start: 12 @102084 has 108 MA's), (Start: 13 @102090 has 28 MA's), (16, 102159), (19, 102267),

Gene: Kamryn_193 Start: 103399, Stop: 103671, Start Num: 11

Candidate Starts for Kamryn_193:

(6, 103255), (9, 103336), (Start: 11 @103399 has 5 MA's), (Start: 14 @103417 has 22 MA's), (16, 103480), (19, 103588),

Gene: Kboogie_198 Start: 102742, Stop: 103008, Start Num: 12

Candidate Starts for Kboogie_198:

(Start: 12 @102742 has 108 MA's), (Start: 13 @102748 has 28 MA's), (16, 102817), (19, 102925),

Gene: Khaleesi_193 Start: 103052, Stop: 103318, Start Num: 12

Candidate Starts for Khaleesi_193:

(Start: 12 @103052 has 108 MA's), (Start: 13 @103058 has 28 MA's), (16, 103127), (19, 103235),

Gene: Koguma_192 Start: 101609, Stop: 101875, Start Num: 12

Candidate Starts for Koguma_192:

(Start: 12 @101609 has 108 MA's), (Start: 13 @101615 has 28 MA's), (16, 101684), (19, 101792),

Gene: LRRHood_186 Start: 101954, Stop: 102220, Start Num: 12

Candidate Starts for LRRHood_186:

(Start: 12 @101954 has 108 MA's), (Start: 13 @101960 has 28 MA's), (16, 102029), (19, 102137),

Gene: Latch_193 Start: 101496, Stop: 101762, Start Num: 12

Candidate Starts for Latch_193:

(Start: 10 @101439 has 1 MA's), (Start: 12 @101496 has 108 MA's), (Start: 13 @101502 has 28 MA's), (16, 101571), (19, 101679),

Gene: Lee7_194 Start: 104432, Stop: 104698, Start Num: 12

Candidate Starts for Lee7_194:

(Start: 12 @104432 has 108 MA's), (Start: 13 @104438 has 28 MA's), (16, 104507), (19, 104615),

Gene: LifeSavor_193 Start: 102498, Stop: 102770, Start Num: 11

Candidate Starts for LifeSavor_193:

(6, 102354), (9, 102435), (Start: 11 @102498 has 5 MA's), (Start: 14 @102516 has 22 MA's), (16, 102579), (19, 102687),

Gene: LinStu_192 Start: 102550, Stop: 102816, Start Num: 12

Candidate Starts for LinStu_192:

(Start: 12 @102550 has 108 MA's), (Start: 13 @102556 has 28 MA's), (16, 102625), (19, 102733),

Gene: Littleton_197 Start: 103222, Stop: 103482, Start Num: 13

Candidate Starts for Littleton_197:

(Start: 12 @103216 has 108 MA's), (Start: 13 @103222 has 28 MA's), (16, 103291), (19, 103399),

Gene: Loanshark_191 Start: 102367, Stop: 102633, Start Num: 12
Candidate Starts for Loanshark_191:
(Start: 12 @102367 has 108 MA's), (Start: 13 @102373 has 28 MA's), (16, 102442), (19, 102550),

Gene: LolaVinca_192 Start: 103785, Stop: 104039, Start Num: 13
Candidate Starts for LolaVinca_192:
(Start: 12 @103779 has 108 MA's), (Start: 13 @103785 has 28 MA's), (16, 103848), (19, 103956),

Gene: LordLeafolot_196 Start: 103397, Stop: 103651, Start Num: 13
Candidate Starts for LordLeafolot_196:
(Start: 12 @103391 has 108 MA's), (Start: 13 @103397 has 28 MA's), (16, 103460), (19, 103568),

Gene: Lukilu_184 Start: 102970, Stop: 103230, Start Num: 13
Candidate Starts for Lukilu_184:
(Start: 12 @102964 has 108 MA's), (Start: 13 @102970 has 28 MA's), (16, 103039), (19, 103147),

Gene: Maby2021_193 Start: 103496, Stop: 103762, Start Num: 12
Candidate Starts for Maby2021_193:
(Start: 12 @103496 has 108 MA's), (Start: 13 @103502 has 28 MA's), (16, 103571), (19, 103679),

Gene: Mangeria_194 Start: 103289, Stop: 103555, Start Num: 12
Candidate Starts for Mangeria_194:
(Start: 10 @103232 has 1 MA's), (Start: 12 @103289 has 108 MA's), (Start: 13 @103295 has 28 MA's), (16, 103364), (19, 103472),

Gene: Matsumoto_194 Start: 102730, Stop: 102996, Start Num: 12
Candidate Starts for Matsumoto_194:
(Start: 12 @102730 has 108 MA's), (Start: 13 @102736 has 28 MA's), (16, 102805), (19, 102913),

Gene: McGee_194 Start: 101930, Stop: 102190, Start Num: 13
Candidate Starts for McGee_194:
(Start: 12 @101924 has 108 MA's), (Start: 13 @101930 has 28 MA's), (16, 101999), (19, 102107),

Gene: McWolfish_191 Start: 102263, Stop: 102529, Start Num: 12
Candidate Starts for McWolfish_191:
(Start: 10 @102206 has 1 MA's), (Start: 12 @102263 has 108 MA's), (Start: 13 @102269 has 28 MA's), (16, 102338), (19, 102446),

Gene: Megamind_191 Start: 102554, Stop: 102820, Start Num: 12
Candidate Starts for Megamind_191:
(Start: 12 @102554 has 108 MA's), (Start: 13 @102560 has 28 MA's), (16, 102629), (19, 102737),

Gene: Melpomini_188 Start: 101030, Stop: 101296, Start Num: 12
Candidate Starts for Melpomini_188:
(Start: 12 @101030 has 108 MA's), (Start: 13 @101036 has 28 MA's), (16, 101105), (19, 101213),

Gene: MikeLiesIn_195 Start: 103696, Stop: 103956, Start Num: 13
Candidate Starts for MikeLiesIn_195:
(Start: 12 @103690 has 108 MA's), (Start: 13 @103696 has 28 MA's), (16, 103765), (19, 103873),

Gene: Mikro_189 Start: 103930, Stop: 104196, Start Num: 12
Candidate Starts for Mikro_189:
(Start: 12 @103930 has 108 MA's), (Start: 13 @103936 has 28 MA's), (16, 104005), (19, 104113),

Gene: Momo_194 Start: 101496, Stop: 101762, Start Num: 12
Candidate Starts for Momo_194:
(Start: 10 @101439 has 1 MA's), (Start: 12 @101496 has 108 MA's), (Start: 13 @101502 has 28 MA's), (16, 101571), (19, 101679),

Gene: Morizzled23_192 Start: 101654, Stop: 101920, Start Num: 12
Candidate Starts for Morizzled23_192:
(Start: 12 @101654 has 108 MA's), (Start: 13 @101660 has 28 MA's), (16, 101729), (19, 101837),

Gene: Naija_194 Start: 102199, Stop: 102465, Start Num: 12
Candidate Starts for Naija_194:
(Start: 10 @102142 has 1 MA's), (Start: 12 @102199 has 108 MA's), (Start: 13 @102205 has 28 MA's), (16, 102274), (19, 102382),

Gene: Napoleon13_192 Start: 102019, Stop: 102285, Start Num: 12
Candidate Starts for Napoleon13_192:
(Start: 12 @102019 has 108 MA's), (Start: 13 @102025 has 28 MA's), (16, 102094), (19, 102202),

Gene: Nappy_194 Start: 103904, Stop: 104164, Start Num: 12
Candidate Starts for Nappy_194:
(Start: 12 @103904 has 108 MA's), (Start: 13 @103910 has 28 MA's), (16, 103973), (19, 104081),

Gene: Naval22_199 Start: 104285, Stop: 104551, Start Num: 12
Candidate Starts for Naval22_199:
(Start: 12 @104285 has 108 MA's), (Start: 13 @104291 has 28 MA's), (16, 104360), (19, 104468),

Gene: NedWong_193 Start: 102941, Stop: 103207, Start Num: 12
Candidate Starts for NedWong_193:
(Start: 12 @102941 has 108 MA's), (Start: 13 @102947 has 28 MA's), (16, 103016), (19, 103124),

Gene: Ngannou_190 Start: 100478, Stop: 100744, Start Num: 12
Candidate Starts for Ngannou_190:
(Start: 10 @100421 has 1 MA's), (Start: 12 @100478 has 108 MA's), (Start: 13 @100484 has 28 MA's), (16, 100553), (19, 100661),

Gene: Nidhogg_195 Start: 103334, Stop: 103600, Start Num: 12
Candidate Starts for Nidhogg_195:
(Start: 12 @103334 has 108 MA's), (Start: 13 @103340 has 28 MA's), (16, 103409), (19, 103517),

Gene: NoodleTree_200 Start: 103241, Stop: 103507, Start Num: 12
Candidate Starts for NoodleTree_200:
(Start: 12 @103241 has 108 MA's), (Start: 13 @103247 has 28 MA's), (16, 103316), (19, 103424),

Gene: Norm_193 Start: 102940, Stop: 103206, Start Num: 12
Candidate Starts for Norm_193:
(Start: 12 @102940 has 108 MA's), (Start: 13 @102946 has 28 MA's), (16, 103015), (19, 103123),

Gene: NuevoMundo_197 Start: 104963, Stop: 105235, Start Num: 11
Candidate Starts for NuevoMundo_197:
(6, 104819), (9, 104900), (Start: 11 @104963 has 5 MA's), (Start: 14 @104981 has 22 MA's), (16, 105044), (19, 105152),

Gene: ParkTD_192 Start: 102804, Stop: 103070, Start Num: 12
Candidate Starts for ParkTD_192:
(Start: 12 @102804 has 108 MA's), (Start: 13 @102810 has 28 MA's), (16, 102879), (19, 102987),

Gene: Patter_194 Start: 101516, Stop: 101776, Start Num: 12
Candidate Starts for Patter_194:
(Start: 12 @101516 has 108 MA's), (Start: 13 @101522 has 28 MA's), (16, 101585), (19, 101693),

Gene: Phlegm_197 Start: 102199, Stop: 102465, Start Num: 12
Candidate Starts for Phlegm_197:
(Start: 10 @102142 has 1 MA's), (Start: 12 @102199 has 108 MA's), (Start: 13 @102205 has 28 MA's), (16, 102274), (19, 102382),

Gene: Phox_194 Start: 103160, Stop: 103426, Start Num: 12
Candidate Starts for Phox_194:
(Start: 12 @103160 has 108 MA's), (Start: 13 @103166 has 28 MA's), (16, 103235), (19, 103343),

Gene: Phusco_193 Start: 101823, Stop: 102089, Start Num: 12
Candidate Starts for Phusco_193:
(Start: 12 @101823 has 108 MA's), (Start: 13 @101829 has 28 MA's), (16, 101898), (19, 102006),

Gene: Pier_195 Start: 104505, Stop: 104777, Start Num: 11
Candidate Starts for Pier_195:
(6, 104361), (9, 104442), (Start: 11 @104505 has 5 MA's), (Start: 14 @104523 has 22 MA's), (16, 104586), (19, 104694),

Gene: Pinkcreek_178 Start: 101721, Stop: 101981, Start Num: 13
Candidate Starts for Pinkcreek_178:
(Start: 12 @101715 has 108 MA's), (Start: 13 @101721 has 28 MA's), (16, 101790), (19, 101898),

Gene: Pio_202 Start: 105718, Stop: 105972, Start Num: 14
Candidate Starts for Pio_202:
(6, 105556), (9, 105637), (Start: 11 @105700 has 5 MA's), (Start: 14 @105718 has 22 MA's), (16, 105781), (19, 105889),

Gene: Pivoine_194 Start: 102199, Stop: 102465, Start Num: 12
Candidate Starts for Pivoine_194:
(Start: 10 @102142 has 1 MA's), (Start: 12 @102199 has 108 MA's), (Start: 13 @102205 has 28 MA's), (16, 102274), (19, 102382),

Gene: Pleione_198 Start: 103283, Stop: 103549, Start Num: 12
Candidate Starts for Pleione_198:
(Start: 12 @103283 has 108 MA's), (Start: 13 @103289 has 28 MA's), (16, 103358), (19, 103466),

Gene: PurduePete_194 Start: 103510, Stop: 103776, Start Num: 12
Candidate Starts for PurduePete_194:
(Start: 12 @103510 has 108 MA's), (Start: 13 @103516 has 28 MA's), (16, 103585), (19, 103693),

Gene: QBert_185 Start: 101573, Stop: 101827, Start Num: 14
Candidate Starts for QBert_185:
(6, 101411), (9, 101492), (Start: 11 @101555 has 5 MA's), (Start: 14 @101573 has 22 MA's), (16, 101636), (19, 101744),

Gene: Quasimodo_197 Start: 103617, Stop: 103883, Start Num: 12

Candidate Starts for Quasimodo_197:

(Start: 12 @103617 has 108 MA's), (Start: 13 @103623 has 28 MA's), (16, 103692), (19, 103800),

Gene: Rabinovish_188 Start: 103891, Stop: 104157, Start Num: 12

Candidate Starts for Rabinovish_188:

(Start: 12 @103891 has 108 MA's), (Start: 13 @103897 has 28 MA's), (16, 103966), (19, 104074),

Gene: Rahel_195 Start: 102417, Stop: 102683, Start Num: 12

Candidate Starts for Rahel_195:

(Start: 12 @102417 has 108 MA's), (Start: 13 @102423 has 28 MA's), (16, 102492), (19, 102600),

Gene: Rizal_187 Start: 101244, Stop: 101510, Start Num: 12

Candidate Starts for Rizal_187:

(Start: 12 @101244 has 108 MA's), (Start: 13 @101250 has 28 MA's), (16, 101319), (19, 101427),

Gene: RoMag_189 Start: 102728, Stop: 102994, Start Num: 12

Candidate Starts for RoMag_189:

(Start: 10 @102671 has 1 MA's), (Start: 12 @102728 has 108 MA's), (Start: 13 @102734 has 28 MA's), (16, 102803), (19, 102911),

Gene: Ronan_189 Start: 100655, Stop: 100909, Start Num: 13

Candidate Starts for Ronan_189:

(Start: 12 @100649 has 108 MA's), (Start: 13 @100655 has 28 MA's), (16, 100718), (19, 100826),

Gene: Roots515_196 Start: 104068, Stop: 104328, Start Num: 13

Candidate Starts for Roots515_196:

(Start: 12 @104062 has 108 MA's), (Start: 13 @104068 has 28 MA's), (16, 104137), (19, 104245),

Gene: Salacia_194 Start: 102832, Stop: 103086, Start Num: 13

Candidate Starts for Salacia_194:

(Start: 12 @102826 has 108 MA's), (Start: 13 @102832 has 28 MA's), (16, 102895), (19, 103003),

Gene: Sauce_190 Start: 101640, Stop: 101900, Start Num: 12

Candidate Starts for Sauce_190:

(Start: 12 @101640 has 108 MA's), (Start: 13 @101646 has 28 MA's), (16, 101709), (19, 101817),

Gene: ScottMcG_187 Start: 101267, Stop: 101533, Start Num: 12

Candidate Starts for ScottMcG_187:

(Start: 10 @101210 has 1 MA's), (Start: 12 @101267 has 108 MA's), (Start: 13 @101273 has 28 MA's), (16, 101342), (19, 101450),

Gene: Sebata_195 Start: 103975, Stop: 104241, Start Num: 12

Candidate Starts for Sebata_195:

(Start: 12 @103975 has 108 MA's), (Start: 13 @103981 has 28 MA's), (16, 104050), (19, 104158),

Gene: Shaqnato_186 Start: 102160, Stop: 102426, Start Num: 12

Candidate Starts for Shaqnato_186:

(Start: 12 @102160 has 108 MA's), (Start: 13 @102166 has 28 MA's), (16, 102235), (19, 102343),

Gene: Shelob_195 Start: 104429, Stop: 104683, Start Num: 14

Candidate Starts for Shelob_195:

(6, 104267), (9, 104348), (Start: 11 @104411 has 5 MA's), (Start: 14 @104429 has 22 MA's), (16, 104492), (19, 104600),

Gene: ShiaLabeouf_191 Start: 101637, Stop: 101891, Start Num: 13

Candidate Starts for ShiaLabeouf_191:

(Start: 12 @101631 has 108 MA's), (Start: 13 @101637 has 28 MA's), (16, 101700), (19, 101808),

Gene: Shnickers_192 Start: 101701, Stop: 101955, Start Num: 14

Candidate Starts for Shnickers_192:

(6, 101539), (9, 101620), (Start: 11 @101683 has 5 MA's), (Start: 14 @101701 has 22 MA's), (16, 101764), (19, 101872),

Gene: Shrimp_195 Start: 103281, Stop: 103535, Start Num: 13

Candidate Starts for Shrimp_195:

(Start: 12 @103275 has 108 MA's), (Start: 13 @103281 has 28 MA's), (16, 103344), (19, 103452),

Gene: SilverDipper_197 Start: 102755, Stop: 103021, Start Num: 12

Candidate Starts for SilverDipper_197:

(Start: 10 @102698 has 1 MA's), (Start: 12 @102755 has 108 MA's), (Start: 13 @102761 has 28 MA's), (16, 102830), (19, 102938),

Gene: SmallFry_194 Start: 101795, Stop: 102049, Start Num: 13

Candidate Starts for SmallFry_194:

(Start: 12 @101789 has 108 MA's), (Start: 13 @101795 has 28 MA's), (16, 101858), (19, 101966),

Gene: Spec_189 Start: 101980, Stop: 102240, Start Num: 12

Candidate Starts for Spec_189:

(Start: 12 @101980 has 108 MA's), (Start: 13 @101986 has 28 MA's), (16, 102049), (19, 102157),

Gene: Specks_198 Start: 104104, Stop: 104358, Start Num: 14

Candidate Starts for Specks_198:

(6, 103942), (9, 104023), (Start: 11 @104086 has 5 MA's), (Start: 14 @104104 has 22 MA's), (16, 104167), (19, 104275),

Gene: Sprinklers_191 Start: 101864, Stop: 102130, Start Num: 12

Candidate Starts for Sprinklers_191:

(Start: 12 @101864 has 108 MA's), (Start: 13 @101870 has 28 MA's), (16, 101939), (19, 102047),

Gene: Spud_189 Start: 102305, Stop: 102628, Start Num: 10

Candidate Starts for Spud_189:

(Start: 10 @102305 has 1 MA's), (Start: 12 @102362 has 108 MA's), (Start: 13 @102368 has 28 MA's), (16, 102437), (19, 102545),

Gene: SrishMeg2525_191 Start: 103043, Stop: 103309, Start Num: 12

Candidate Starts for SrishMeg2525_191:

(Start: 12 @103043 has 108 MA's), (Start: 13 @103049 has 28 MA's), (16, 103118), (19, 103226),

Gene: StephanieG_191 Start: 103563, Stop: 103823, Start Num: 13

Candidate Starts for StephanieG_191:

(Start: 10 @103500 has 1 MA's), (Start: 12 @103557 has 108 MA's), (Start: 13 @103563 has 28 MA's), (16, 103632), (19, 103740),

Gene: Stubby_179 Start: 102402, Stop: 102668, Start Num: 12

Candidate Starts for Stubby_179:

(Start: 12 @102402 has 108 MA's), (Start: 13 @102408 has 28 MA's), (16, 102477), (19, 102585),

Gene: StubbySaigey_198 Start: 102289, Stop: 102555, Start Num: 12

Candidate Starts for StubbySaigey_198:

(Start: 12 @102289 has 108 MA's), (Start: 13 @102295 has 28 MA's), (16, 102364), (19, 102472),

Gene: Teardrop_191 Start: 101299, Stop: 101553, Start Num: 14

Candidate Starts for Teardrop_191:

(6, 101137), (9, 101218), (Start: 11 @101281 has 5 MA's), (Start: 14 @101299 has 22 MA's), (16, 101362), (19, 101470),

Gene: TinyTim_192 Start: 101892, Stop: 102158, Start Num: 12

Candidate Starts for TinyTim_192:

(Start: 10 @101835 has 1 MA's), (Start: 12 @101892 has 108 MA's), (Start: 13 @101898 has 28 MA's), (16, 101967), (19, 102075),

Gene: Tonenili_214 Start: 108070, Stop: 108327, Start Num: 14

Candidate Starts for Tonenili_214:

(1, 107725), (2, 107743), (6, 107908), (7, 107956), (8, 107959), (9, 107989), (Start: 11 @108052 has 5 MA's), (Start: 14 @108070 has 22 MA's), (16, 108133), (19, 108241),

Gene: Tortoise16_192 Start: 102540, Stop: 102794, Start Num: 14

Candidate Starts for Tortoise16_192:

(6, 102378), (9, 102459), (Start: 11 @102522 has 5 MA's), (Start: 14 @102540 has 22 MA's), (16, 102603), (19, 102711),

Gene: Trinitium_191 Start: 102122, Stop: 102388, Start Num: 12

Candidate Starts for Trinitium_191:

(Start: 12 @102122 has 108 MA's), (Start: 13 @102128 has 28 MA's), (16, 102197), (19, 102305),

Gene: Turret_188 Start: 101704, Stop: 101970, Start Num: 12

Candidate Starts for Turret_188:

(Start: 12 @101704 has 108 MA's), (Start: 13 @101710 has 28 MA's), (16, 101779), (19, 101887),

Gene: Tyke_192 Start: 103907, Stop: 104161, Start Num: 14

Candidate Starts for Tyke_192:

(6, 103745), (9, 103826), (Start: 11 @103889 has 5 MA's), (Start: 14 @103907 has 22 MA's), (16, 103970), (19, 104078),

Gene: ValleyTerrace_194 Start: 101496, Stop: 101762, Start Num: 12

Candidate Starts for ValleyTerrace_194:

(Start: 10 @101439 has 1 MA's), (Start: 12 @101496 has 108 MA's), (Start: 13 @101502 has 28 MA's), (16, 101571), (19, 101679),

Gene: Wally_193 Start: 102272, Stop: 102538, Start Num: 12

Candidate Starts for Wally_193:

(Start: 12 @102272 has 108 MA's), (Start: 13 @102278 has 28 MA's), (16, 102347), (19, 102455),

Gene: Willis_194 Start: 102703, Stop: 102969, Start Num: 12

Candidate Starts for Willis_194:

(Start: 12 @102703 has 108 MA's), (Start: 13 @102709 has 28 MA's), (16, 102778), (19, 102886),

Gene: Yassified_190 Start: 101847, Stop: 102107, Start Num: 12
Candidate Starts for Yassified_190:
(Start: 12 @101847 has 108 MA's), (Start: 13 @101853 has 28 MA's), (16, 101916), (19, 102024),

Gene: YemiJoy2021_194 Start: 103459, Stop: 103725, Start Num: 12
Candidate Starts for YemiJoy2021_194:
(Start: 12 @103459 has 108 MA's), (Start: 13 @103465 has 28 MA's), (16, 103534), (19, 103642),

Gene: YoungMoneyMata_193 Start: 102490, Stop: 102750, Start Num: 12
Candidate Starts for YoungMoneyMata_193:
(Start: 12 @102490 has 108 MA's), (Start: 13 @102496 has 28 MA's), (16, 102559), (19, 102667),

Gene: Yucca_194 Start: 103450, Stop: 103716, Start Num: 12
Candidate Starts for Yucca_194:
(Start: 12 @103450 has 108 MA's), (Start: 13 @103456 has 28 MA's), (16, 103525), (19, 103633),

Gene: Zalkecks_193 Start: 102532, Stop: 102798, Start Num: 12
Candidate Starts for Zalkecks_193:
(Start: 12 @102532 has 108 MA's), (Start: 13 @102538 has 28 MA's), (16, 102607), (19, 102715),

Gene: Zeenon_196 Start: 103108, Stop: 103368, Start Num: 13
Candidate Starts for Zeenon_196:
(Start: 12 @103102 has 108 MA's), (Start: 13 @103108 has 28 MA's), (16, 103177), (19, 103285),

Gene: ZygoTaiga_190 Start: 103723, Stop: 103989, Start Num: 12
Candidate Starts for ZygoTaiga_190:
(Start: 12 @103723 has 108 MA's), (Start: 13 @103729 has 28 MA's), (16, 103798), (19, 103906),