

Pham 308070



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 308070 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308070 has 219 members, 38 are drafts.

Phages represented in each track:

- Track 1 : Settecandela_103, Phrappuccino_103
- Track 2 : EggyFarm_202, Derek_191, BigCity_202, Ronan_189, LolaVinca_192, DTDevon_196, Labradorite_192, PharkleMinkus_196, Guwapp_189, Pupusa_198, Primadonna_188, Duckfeet_188, SmallFry_194, Breeniome_193, Concombre_198, ShiaLabeouf_191, ArcherS7_193, I3_202, Demodog_199, Darko_193, Salacia_194, BananaFence_191, LordLeafolot_195, Tainan_195, DirtMonster_187, Grasshills_201
- Track 3 : HyRo_182, CindyLou_195, Chomp_193, Amataga_194, McWolfish_191, Phlegm_197, SilverDipper_197, Latch_193, Naija_194, Domi_188, Capablanca_198, Dessert_191, JPickles_190, Fixie_193, OrediggerDelux_190, Momo_194, Mangeria_194, ScottMcG_187, TinyTim_192, RoMag_189, ValleyTerrace_194, Atlantean_193, Bread_189, GlutenPhree_194, Pivoine_194, InigoMontoya_196, Ngannou_190
- Track 4 : Cane17_185, Blubba_183
- Track 5 : LifeSavor_193, NuevoMundo_197, LookingGlass_193, BadAgartude_188, Pier_195, Fongie_195, Substance289_191, Kamryn_193
- Track 6 : Belieber_188, Turret_188, BackyardAgain_191, JulietS_185, ZygoTaiga_190, Daffodil_198, Flabslab_190, Nidhogg_195, Rabinovish_188, Rahel_195, YemiJoy2021_194, Bezza_182, FudgeTart_189, Audrick_197, ChickenPhender_191, Gizmo_199, Erdmann_195, Ading_194, Pleione_198, Kboogie_198, Cactojaque_190, BeanWater_185, Rizal_187, Basquiat_192, BobaPhatt_187, Alice_181, Phox_194, EmToTheThree_195, Delylah_195, Bipolarisk_192, Khaleesi_193, Naval22_201, Delilah_192, Lethe_194, Halldule_186, EasyJones_198, Ava3_192, Norm_193, StubbySaigey_198, NoodleTree_200, Megamind_191, LRRHood_186, Phusco_193, Yucca_194, Melpomini_188, CharlieB_187, Zalkecks_193, JayJay_196, Lee7_194, Quasimodo_197, Wally_193, Koguma_192, SoilZilla_190, LinStu_192, Izajani_192, Chargie21_192, Napoleon13_192, DeejaClivia_182, Cleatunium_187, Moby_190, Grungle_179, Maby2021_193, Dietrick_184, DrPhinkDaddy_191, Catera_188, Matsumoto_193, SVoro_190, Mikro_189, Moiqah_189, PurduePete_194, Jessibeth14_194, ET08_181, Fludd_195, Stubby_179, Trinitium_191, Willis_194, ErnieJ_187, Jemmno_193, Janiyra_198, Ewok_193, NedWong_193, Morizzled23_192, Sprinklers_191, JustHall_189, Shaqnato_186, Blackdragon_188, Ghost_194, SrishMeg2525_191, Loanshark_191, Bonray_196, ParkTD_192
- Track 7 : Cali_187, Sauce_190, FrayBell_197, Iota_188, YoungMoneyMata_193, Patter_194, Yassified_190, Astraea_188, Spec_189, Nappy_194, Bowman_192, Jedediah_194

- Track 8 : Littleton_197, Roots515_196, Lukilu_184, MikeLiesIn_195, Blackbrain_191, McGee_194, ChaylaJr_192, Pinkcreek_178, Asterius_195, Rocha_191, Ablatia_194, Zeenon_196
- Track 9 : Adlitam_193, Teardrop_191, Pio_202, Burrough_196, Essence_191, EmmaElysia_197, IkeLoa_186, Gabriel_197, Tyke_192, Bangla1971_194, Caravan_184, Specks_198, Jaygup_190, Drazdys_192, Shnickers_192, Tortoise16_192, QBert_185, Shelob_195
- Track 10 : Babyland_196, Jezreel_191, StephanieG_191, Gamgam_194
- Track 11 : Colt_185
- Track 12 : InterFolia_197, FoxtrotP1_192, Dandelion_201
- Track 13 : Montpel_193, Maturis_192, Lunareta_193, Sebata_195
- Track 14 : Bigswole_197
- Track 15 : Issimir_187, Spud_189
- Track 16 : JigglyPuff_199
- Track 17 : Vortrix_212, Tonenili_214
- Track 18 : Shrimp_195
- Track 19 : E3_gp140
- Track 20 : 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 19, it was called in 117 of the 181 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, Belieber_188, Bezza_182, Bigswole_197, Bipolarisk_192, Blackdragon_188, Blubba_183, BobaPhatt_187, Bonray_196, Bowman_192, Bread_189, Cactojaque_190, Cali_187, Cane17_185, Capablanca_198, Catera_188, Charge21_192, CharlieB_187, ChickenPhender_191, Chomp_193, CindyLou_195, Cleatunium_187, Daffodil_198, DeejaClivia_182, Delilah_192, Delylah_195, Dessert_191, Dietrick_184, Domi_188, DrPhinkDaddy_191, ET08_181, EasyJones_198, EmToTheThree_195, Erdmann_195, ErnieJ_187, Ewok_193, Fixie_193, Flabslab_190, Fludd_195, FrayBell_197, FudgeTart_189, Ghost_194, Gizmo_199, GlutenPhree_194, Grungle_179, Halldule_186, HyRo_182, InigoMontoya_196, Iota_188, Izajani_192, JPickles_190, Janiyra_198, JayJay_196, Jedediah_194, Jemmno_193, Jessibeth14_194, JulietS_185, JustHall_189, Kboogie_198, Khaleesi_193, Koguma_192, LRRHood_186, Latch_193, Lee7_194, Lethe_194, LinStu_192, Loanshark_191, Lunareta_193, Maby2021_193, Mangeria_194, Matsumoto_193, Maturis_192, McWolfish_191, Megamind_191, Melpomini_188, Mikro_189, Moby_190, Moiqah_189, Momo_194, Montpel_193, Morizzled23_192, Naija_194, Napoleon13_192, Nappy_194, Naval22_201, NedWong_193, Ngannou_190, Nidhogg_195, NoodleTree_200, Norm_193, OrediggerDelux_190, 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, SVoro_190, Sauce_190, ScottMcG_187, Sebata_195, Shaqnato_186, SilverDipper_197, SoilZilla_190, 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:

- Ablatia_194, ArcherS7_193, Asterius_195, Babyland_196, BananaFence_191, BigCity_202, Blackbrain_191, Breeniome_193, ChaylaJr_192, Colt_185, Concombre_198, DTDevon_196, Darko_193, Demodog_199, Derek_191, DirtMonster_187, Duckfeet_188, EggyFarm_202, Gamgam_194, Grasshills_201, Guwapp_189, I3_202, Issimir_187, Jezreel_191, Labradorite_192, Littleton_197, LolaVinca_192, LordLeafolot_195, Lukilu_184, McGee_194, MikeLiesIn_195, PharkleMinkus_196, Pinkcreek_178, Primadonna_188, Pupusa_198, Rocha_191, Ronan_189, Roots515_196, Salacia_194, ShiaLabeouf_191, Shrimp_195, SmallFry_194, Spud_189, StephanieG_191, Tainan_195, 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, E3_gp140, EmmaElysia_197, Essence_191, Fongie_195, FoxtrotP1_192, Gabriel_197, IkeLoa_186, InterFolia_197, Jaygup_190, JeanGrey_65, JigglyPuff_199, Kamryn_193, LifeSavor_193, LookingGlass_193, NuevoMundo_197, Phrappuccino_103, Pier_195, Pio_202, QBert_185, Settecandela_103, Shelob_195, Shnickers_192, Specks_198, Substance289_191, Teardrop_191, Tonenili_214, Tortoise16_192, Tyke_192, Vortrix_212,

Summary by start number:

Start 7:

- Found in 33 of 219 (15.1%) of genes in pham
- Manual Annotations of this start: 2 of 181
- Called 6.1% of time when present
- Phage (with cluster) where this start called: Issimir_187 (C1), Spud_189 (C1),

Start 15:

- Found in 1 of 219 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: E3_gp140 (singleton),

Start 16:

- Found in 2 of 219 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 181
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phrappuccino_103 (AA), Settecandela_103 (AA),

Start 18:

- Found in 32 of 219 (14.6%) of genes in pham
- Manual Annotations of this start: 6 of 181
- Called 28.1% of time when present
- Phage (with cluster) where this start called: BadAgartude_188 (C1), Fongie_195 (C1), JeanGrey_65 (singleton), Kamryn_193 (C1), LifeSavor_193 (C1), LookingGlass_193 (C1), NuevoMundo_197 (C1), Pier_195 (C1), Substance289_191 (C1),

Start 19:

- Found in 183 of 219 (83.6%) of genes in pham
- Manual Annotations of this start: 117 of 181
- Called 74.9% 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), Belieber_188 (C1), Bezza_182 (C1), Bigswole_197 (C1), Bipolarisk_192 (C1), Blackdragon_188 (C1), Blubba_183 (C1), BobaPhatt_187 (C1), Bonray_196 (C1), Bowman_192 (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_193 (C1), CindyLou_195 (C1), Cleatunium_187 (C1), Daffodil_198 (C1), DeejaClivia_182 (C1), Delilah_192 (C1), Delylah_195 (C1), Dessert_191 (C1), Dietrick_184 (C1), Domi_188 (C1), DrPhinkDaddy_191 (C1), ET08_181 (C1), EasyJones_198 (C1), EmToTheThree_195 (C1), Erdmann_195 (C1), ErnieJ_187 (C1), Ewok_193 (C1), Fixie_193 (C1), Flabslab_190 (C1), Fludd_195 (C1), FrayBell_197 (C1), FudgeTart_189 (C1), Ghost_194 (C1), Gizmo_199 (C1), GlutenPhree_194 (C1), Grungle_179 (C1), Halldule_186 (C1), HyRo_182 (C1), InigoMontoya_196 (C1), Iota_188 (C1), Izajani_192 (C1), JPickles_190 (C1), Janiyr_198 (C1), JayJay_196 (C1), Jedediah_194 (C1), Jemmno_193 (C1), Jessibeth14_194 (C1), JulietS_185 (C1), JustHall_189 (C1), Kboogie_198 (C1), Khaleesi_193 (C1), Koguma_192 (C1), LRRHood_186 (C1), Latch_193 (C1), Lee7_194 (C1), Lethe_194 (C1), LinStu_192 (C1), Loanshark_191 (C1), Lunareta_193 (C1), Maby2021_193 (C1), Mangeria_194 (C1), Matsumoto_193 (C1), Maturis_192 (C1), McWolfish_191 (C1), Megamind_191 (C1), Melpomini_188 (C1), Mikro_189 (C1), Moby_190 (C1), Moiqah_189 (C1), Momo_194 (C1), Montpel_193 (C1), Morizzled23_192 (C1), Naija_194 (C1), Napoleon13_192 (C1), Nappy_194 (C1), Naval22_201 (C1), NedWong_193 (C1), Ngannou_190 (C1), Nidhogg_195 (C1), NoodleTree_200 (C1), Norm_193 (C1), OrediggerDelux_190 (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), SVoro_190 (C1), Sauce_190 (C1), ScottMcG_187 (C1), Sebata_195 (C1), Shaqnato_186 (C1), SilverDipper_197 (C1), SoilZilla_190 (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 21:

- Found in 183 of 219 (83.6%) of genes in pham
- Manual Annotations of this start: 32 of 181
- Called 24.0% of time when present
- Phage (with cluster) where this start called: Ablatia_194 (C1), ArcherS7_193 (C1), Asterius_195 (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), DTDevon_196 (C1), Darko_193 (C1), Demodog_199 (C1), Derek_191 (C1), DirtMonster_187 (C1), Duckfeet_188 (C1), EggyFarm_202 (C1), Gamgam_194 (C1), Grasshills_201 (C1), Guwapp_189 (C1), I3_202 (C1), Jezreel_191 (C1), Labradorite_192 (C1), Littleton_197 (C1), LolaVinca_192 (C1), LordLeafolot_195 (C1), Lukilu_184 (C1), McGee_194 (C1), MikeLiesIn_195 (C1), PharkleMinkus_196 (C1), Pinkcreek_178 (C1), Primadonna_188 (C1), Pupusa_198 (C1), Rocha_191 (C1), Ronan_189 (C1), Roots515_196 (C1), Salacia_194 (C1),

ShiaLabeouf_191 (C1), Shrimp_195 (C1), SmallFry_194 (C1), StephanieG_191 (C1), Tainan_195 (C1), Zeenon_196 (C1),

Start 23:

- Found in 32 of 219 (14.6%) of genes in pham
- Manual Annotations of this start: 22 of 181
- Called 75.0% 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), JigglyPuff_199 (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), Vortrix_212 (C1),

Summary by clusters:

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

Info for manual annotations of cluster AA:

- Start number 16 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster C1:

- Start number 7 was manually annotated 2 times for cluster C1.
- Start number 18 was manually annotated 5 times for cluster C1.
- Start number 19 was manually annotated 117 times for cluster C1.
- Start number 21 was manually annotated 32 times for cluster C1.
- Start number 23 was manually annotated 22 times for cluster C1.

Gene Information:

Gene: Ablatia_194 Start: 103251, Stop: 103511, Start Num: 21

Candidate Starts for Ablatia_194:

(Start: 19 @103245 has 117 MA's), (Start: 21 @103251 has 32 MA's), (27, 103320), (33, 103428),

Gene: Ading_194 Start: 103080, Stop: 103346, Start Num: 19

Candidate Starts for Ading_194:

(Start: 19 @103080 has 117 MA's), (Start: 21 @103086 has 32 MA's), (27, 103155), (33, 103263),

Gene: Adlitam_193 Start: 102179, Stop: 102433, Start Num: 23

Candidate Starts for Adlitam_193:

(6, 102017), (11, 102098), (Start: 18 @102161 has 6 MA's), (Start: 23 @102179 has 22 MA's), (27, 102242), (33, 102350),

Gene: Alice_181 Start: 102135, Stop: 102401, Start Num: 19

Candidate Starts for Alice_181:

(Start: 19 @102135 has 117 MA's), (Start: 21 @102141 has 32 MA's), (27, 102210), (33, 102318),

Gene: Amataga_194 Start: 101496, Stop: 101762, Start Num: 19

Candidate Starts for Amataga_194:

(Start: 7 @101439 has 2 MA's), (Start: 19 @101496 has 117 MA's), (Start: 21 @101502 has 32 MA's), (27, 101571), (33, 101679),

Gene: ArcherS7_193 Start: 102535, Stop: 102789, Start Num: 21

Candidate Starts for ArcherS7_193:

(Start: 19 @102529 has 117 MA's), (Start: 21 @102535 has 32 MA's), (27, 102598), (33, 102706),

Gene: Asterius_195 Start: 102219, Stop: 102479, Start Num: 21

Candidate Starts for Asterius_195:

(Start: 19 @102213 has 117 MA's), (Start: 21 @102219 has 32 MA's), (27, 102288), (33, 102396),

Gene: Astraea_188 Start: 101591, Stop: 101851, Start Num: 19

Candidate Starts for Astraea_188:

(Start: 19 @101591 has 117 MA's), (Start: 21 @101597 has 32 MA's), (27, 101660), (33, 101768),

Gene: Atlantean_193 Start: 101496, Stop: 101762, Start Num: 19

Candidate Starts for Atlantean_193:

(Start: 7 @101439 has 2 MA's), (Start: 19 @101496 has 117 MA's), (Start: 21 @101502 has 32 MA's), (27, 101571), (33, 101679),

Gene: Audrick_197 Start: 102178, Stop: 102444, Start Num: 19

Candidate Starts for Audrick_197:

(Start: 19 @102178 has 117 MA's), (Start: 21 @102184 has 32 MA's), (27, 102253), (33, 102361),

Gene: Ava3_192 Start: 102239, Stop: 102505, Start Num: 19

Candidate Starts for Ava3_192:

(Start: 19 @102239 has 117 MA's), (Start: 21 @102245 has 32 MA's), (27, 102314), (33, 102422),

Gene: Babyland_196 Start: 102279, Stop: 102539, Start Num: 21

Candidate Starts for Babyland_196:

(Start: 7 @102216 has 2 MA's), (Start: 19 @102273 has 117 MA's), (Start: 21 @102279 has 32 MA's), (27, 102348), (33, 102456),

Gene: BackyardAgain_191 Start: 100974, Stop: 101240, Start Num: 19

Candidate Starts for BackyardAgain_191:

(Start: 19 @100974 has 117 MA's), (Start: 21 @100980 has 32 MA's), (27, 101049), (33, 101157),

Gene: BadAgartude_188 Start: 102072, Stop: 102344, Start Num: 18

Candidate Starts for BadAgartude_188:

(6, 101928), (11, 102009), (Start: 18 @102072 has 6 MA's), (Start: 23 @102090 has 22 MA's), (27, 102153), (33, 102261),

Gene: BananaFence_191 Start: 102226, Stop: 102480, Start Num: 21

Candidate Starts for BananaFence_191:

(Start: 19 @102220 has 117 MA's), (Start: 21 @102226 has 32 MA's), (27, 102289), (33, 102397),

Gene: Bangla1971_194 Start: 101997, Stop: 102251, Start Num: 23

Candidate Starts for Bangla1971_194:

(6, 101835), (11, 101916), (Start: 18 @101979 has 6 MA's), (Start: 23 @101997 has 22 MA's), (27, 102060), (33, 102168),

Gene: Basquiat_192 Start: 101800, Stop: 102066, Start Num: 19

Candidate Starts for Basquiat_192:

(Start: 19 @101800 has 117 MA's), (Start: 21 @101806 has 32 MA's), (27, 101875), (33, 101983),

Gene: BeanWater_185 Start: 101540, Stop: 101806, Start Num: 19

Candidate Starts for BeanWater_185:

(Start: 19 @101540 has 117 MA's), (Start: 21 @101546 has 32 MA's), (27, 101615), (33, 101723),

Gene: Belieber_188 Start: 101114, Stop: 101380, Start Num: 19

Candidate Starts for Belieber_188:

(Start: 19 @101114 has 117 MA's), (Start: 21 @101120 has 32 MA's), (27, 101189), (33, 101297),

Gene: Bezza_182 Start: 102052, Stop: 102318, Start Num: 19

Candidate Starts for Bezza_182:

(Start: 19 @102052 has 117 MA's), (Start: 21 @102058 has 32 MA's), (27, 102127), (33, 102235),

Gene: BigCity_202 Start: 105114, Stop: 105368, Start Num: 21

Candidate Starts for BigCity_202:

(Start: 19 @105108 has 117 MA's), (Start: 21 @105114 has 32 MA's), (27, 105177), (33, 105285),

Gene: Bigswole_197 Start: 104781, Stop: 105044, Start Num: 19

Candidate Starts for Bigswole_197:

(Start: 19 @104781 has 117 MA's), (Start: 21 @104787 has 32 MA's), (27, 104850), (33, 104958),

Gene: Bipolarisk_192 Start: 102507, Stop: 102773, Start Num: 19

Candidate Starts for Bipolarisk_192:

(Start: 19 @102507 has 117 MA's), (Start: 21 @102513 has 32 MA's), (27, 102582), (33, 102690),

Gene: Blackbrain_191 Start: 102408, Stop: 102668, Start Num: 21

Candidate Starts for Blackbrain_191:

(Start: 19 @102402 has 117 MA's), (Start: 21 @102408 has 32 MA's), (27, 102477), (33, 102585),

Gene: Blackdragon_188 Start: 101838, Stop: 102104, Start Num: 19

Candidate Starts for Blackdragon_188:

(Start: 19 @101838 has 117 MA's), (Start: 21 @101844 has 32 MA's), (27, 101913), (33, 102021),

Gene: Blubba_183 Start: 105622, Stop: 105903, Start Num: 19

Candidate Starts for Blubba_183:

(1, 105367), (3, 105400), (4, 105403), (Start: 19 @105622 has 117 MA's), (Start: 21 @105628 has 32 MA's), (27, 105691), (33, 105799),

Gene: BobaPhatt_187 Start: 100999, Stop: 101265, Start Num: 19

Candidate Starts for BobaPhatt_187:

(Start: 19 @100999 has 117 MA's), (Start: 21 @101005 has 32 MA's), (27, 101074), (33, 101182),

Gene: Bonray_196 Start: 103910, Stop: 104176, Start Num: 19

Candidate Starts for Bonray_196:

(Start: 19 @103910 has 117 MA's), (Start: 21 @103916 has 32 MA's), (27, 103985), (33, 104093),

Gene: Bowman_192 Start: 103197, Stop: 103457, Start Num: 19

Candidate Starts for Bowman_192:

(Start: 19 @103197 has 117 MA's), (Start: 21 @103203 has 32 MA's), (27, 103266), (33, 103374),

Gene: Bread_189 Start: 101908, Stop: 102174, Start Num: 19

Candidate Starts for Bread_189:

(Start: 7 @101851 has 2 MA's), (Start: 19 @101908 has 117 MA's), (Start: 21 @101914 has 32 MA's), (27, 101983), (33, 102091),

Gene: Breeniome_193 Start: 101548, Stop: 101802, Start Num: 21

Candidate Starts for Breeniome_193:

(Start: 19 @101542 has 117 MA's), (Start: 21 @101548 has 32 MA's), (27, 101611), (33, 101719),

Gene: Burrough_196 Start: 103864, Stop: 104118, Start Num: 23

Candidate Starts for Burrough_196:

(6, 103702), (11, 103783), (Start: 18 @103846 has 6 MA's), (Start: 23 @103864 has 22 MA's), (27, 103927), (33, 104035),

Gene: Cactojaque_190 Start: 101820, Stop: 102086, Start Num: 19

Candidate Starts for Cactojaque_190:

(Start: 19 @101820 has 117 MA's), (Start: 21 @101826 has 32 MA's), (27, 101895), (33, 102003),

Gene: Cali_187 Start: 103296, Stop: 103556, Start Num: 19

Candidate Starts for Cali_187:

(Start: 19 @103296 has 117 MA's), (Start: 21 @103302 has 32 MA's), (27, 103365), (33, 103473),

Gene: Cane17_185 Start: 106031, Stop: 106312, Start Num: 19

Candidate Starts for Cane17_185:

(1, 105776), (3, 105809), (4, 105812), (Start: 19 @106031 has 117 MA's), (Start: 21 @106037 has 32 MA's), (27, 106100), (33, 106208),

Gene: Capablanca_198 Start: 104505, Stop: 104771, Start Num: 19

Candidate Starts for Capablanca_198:

(Start: 7 @104448 has 2 MA's), (Start: 19 @104505 has 117 MA's), (Start: 21 @104511 has 32 MA's), (27, 104580), (33, 104688),

Gene: Caravan_184 Start: 102325, Stop: 102579, Start Num: 23

Candidate Starts for Caravan_184:

(6, 102163), (11, 102244), (Start: 18 @102307 has 6 MA's), (Start: 23 @102325 has 22 MA's), (27, 102388), (33, 102496),

Gene: Catera_188 Start: 101500, Stop: 101766, Start Num: 19

Candidate Starts for Catera_188:

(Start: 19 @101500 has 117 MA's), (Start: 21 @101506 has 32 MA's), (27, 101575), (33, 101683),

Gene: Chargie21_192 Start: 101800, Stop: 102066, Start Num: 19

Candidate Starts for Chargie21_192:

(Start: 19 @101800 has 117 MA's), (Start: 21 @101806 has 32 MA's), (27, 101875), (33, 101983),

Gene: CharlieB_187 Start: 101742, Stop: 102008, Start Num: 19

Candidate Starts for CharlieB_187:

(Start: 19 @101742 has 117 MA's), (Start: 21 @101748 has 32 MA's), (27, 101817), (33, 101925),

Gene: ChaylaJr_192 Start: 102234, Stop: 102494, Start Num: 21

Candidate Starts for ChaylaJr_192:

(Start: 19 @102228 has 117 MA's), (Start: 21 @102234 has 32 MA's), (27, 102303), (33, 102411),

Gene: ChickenPhender_191 Start: 101947, Stop: 102213, Start Num: 19

Candidate Starts for ChickenPhender_191:

(Start: 19 @101947 has 117 MA's), (Start: 21 @101953 has 32 MA's), (27, 102022), (33, 102130),

Gene: Chomp_193 Start: 102785, Stop: 103051, Start Num: 19

Candidate Starts for Chomp_193:

(Start: 7 @102728 has 2 MA's), (Start: 19 @102785 has 117 MA's), (Start: 21 @102791 has 32 MA's), (27, 102860), (33, 102968),

Gene: CindyLou_195 Start: 103528, Stop: 103794, Start Num: 19

Candidate Starts for CindyLou_195:

(Start: 7 @103471 has 2 MA's), (Start: 19 @103528 has 117 MA's), (Start: 21 @103534 has 32 MA's), (27, 103603), (33, 103711),

Gene: Cleatunium_187 Start: 101737, Stop: 102003, Start Num: 19

Candidate Starts for Cleatunium_187:

(Start: 19 @101737 has 117 MA's), (Start: 21 @101743 has 32 MA's), (27, 101812), (33, 101920),

Gene: Colt_185 Start: 105268, Stop: 105543, Start Num: 21

Candidate Starts for Colt_185:

(1, 105007), (3, 105040), (4, 105043), (Start: 19 @105262 has 117 MA's), (Start: 21 @105268 has 32 MA's), (27, 105331), (33, 105439),

Gene: Concombres_198 Start: 104645, Stop: 104899, Start Num: 21

Candidate Starts for Concombres_198:

(Start: 19 @104639 has 117 MA's), (Start: 21 @104645 has 32 MA's), (27, 104708), (33, 104816),

Gene: DTDevon_196 Start: 104029, Stop: 104283, Start Num: 21

Candidate Starts for DTDevon_196:

(Start: 19 @104023 has 117 MA's), (Start: 21 @104029 has 32 MA's), (27, 104092), (33, 104200),

Gene: Daffodil_198 Start: 102807, Stop: 103073, Start Num: 19

Candidate Starts for Daffodil_198:

(Start: 19 @102807 has 117 MA's), (Start: 21 @102813 has 32 MA's), (27, 102882), (33, 102990),

Gene: Dandelion_201 Start: 106453, Stop: 106707, Start Num: 23

Candidate Starts for Dandelion_201:

(6, 106291), (11, 106372), (Start: 18 @106435 has 6 MA's), (Start: 23 @106453 has 22 MA's), (26, 106504), (27, 106516), (33, 106624),

Gene: Darko_193 Start: 102230, Stop: 102484, Start Num: 21

Candidate Starts for Darko_193:

(Start: 19 @102224 has 117 MA's), (Start: 21 @102230 has 32 MA's), (27, 102293), (33, 102401),

Gene: DeejaClivia_182 Start: 101177, Stop: 101443, Start Num: 19

Candidate Starts for DeejaClivia_182:

(Start: 19 @101177 has 117 MA's), (Start: 21 @101183 has 32 MA's), (27, 101252), (33, 101360),

Gene: Delilah_192 Start: 102925, Stop: 103191, Start Num: 19

Candidate Starts for Delilah_192:

(Start: 19 @102925 has 117 MA's), (Start: 21 @102931 has 32 MA's), (27, 103000), (33, 103108),

Gene: Delylah_195 Start: 102906, Stop: 103172, Start Num: 19

Candidate Starts for Delylah_195:

(Start: 19 @102906 has 117 MA's), (Start: 21 @102912 has 32 MA's), (27, 102981), (33, 103089),

Gene: Demodog_199 Start: 104655, Stop: 104909, Start Num: 21
Candidate Starts for Demodog_199:
(Start: 19 @104649 has 117 MA's), (Start: 21 @104655 has 32 MA's), (27, 104718), (33, 104826),

Gene: Derek_191 Start: 102557, Stop: 102811, Start Num: 21
Candidate Starts for Derek_191:
(Start: 19 @102551 has 117 MA's), (Start: 21 @102557 has 32 MA's), (27, 102620), (33, 102728),

Gene: Dessert_191 Start: 101062, Stop: 101328, Start Num: 19
Candidate Starts for Dessert_191:
(Start: 7 @101005 has 2 MA's), (Start: 19 @101062 has 117 MA's), (Start: 21 @101068 has 32 MA's),
(27, 101137), (33, 101245),

Gene: Dietrick_184 Start: 101530, Stop: 101796, Start Num: 19
Candidate Starts for Dietrick_184:
(Start: 19 @101530 has 117 MA's), (Start: 21 @101536 has 32 MA's), (27, 101605), (33, 101713),

Gene: DirtMonster_187 Start: 102299, Stop: 102553, Start Num: 21
Candidate Starts for DirtMonster_187:
(Start: 19 @102293 has 117 MA's), (Start: 21 @102299 has 32 MA's), (27, 102362), (33, 102470),

Gene: Domi_188 Start: 102572, Stop: 102838, Start Num: 19
Candidate Starts for Domi_188:
(Start: 7 @102515 has 2 MA's), (Start: 19 @102572 has 117 MA's), (Start: 21 @102578 has 32 MA's),
(27, 102647), (33, 102755),

Gene: DrPhinkDaddy_191 Start: 103586, Stop: 103852, Start Num: 19
Candidate Starts for DrPhinkDaddy_191:
(Start: 19 @103586 has 117 MA's), (Start: 21 @103592 has 32 MA's), (27, 103661), (33, 103769),

Gene: Drazdys_192 Start: 102674, Stop: 102928, Start Num: 23
Candidate Starts for Drazdys_192:
(6, 102512), (11, 102593), (Start: 18 @102656 has 6 MA's), (Start: 23 @102674 has 22 MA's), (27,
102737), (33, 102845),

Gene: Duckfeet_188 Start: 102200, Stop: 102454, Start Num: 21
Candidate Starts for Duckfeet_188:
(Start: 19 @102194 has 117 MA's), (Start: 21 @102200 has 32 MA's), (27, 102263), (33, 102371),

Gene: E3_gp140 Start: 93115, Stop: 93414, Start Num: 15
Candidate Starts for E3_gp140:
(10, 93067), (12, 93100), (13, 93103), (14, 93109), (15, 93115), (17, 93157), (20, 93166), (24, 93178),
(28, 93271), (29, 93286), (32, 93325), (33, 93337), (34, 93349), (35, 93361), (37, 93373), (38, 93394),
(39, 93409),

Gene: ET08_181 Start: 101776, Stop: 102042, Start Num: 19
Candidate Starts for ET08_181:
(Start: 19 @101776 has 117 MA's), (Start: 21 @101782 has 32 MA's), (27, 101851), (33, 101959),

Gene: EasyJones_198 Start: 103042, Stop: 103308, Start Num: 19
Candidate Starts for EasyJones_198:
(Start: 19 @103042 has 117 MA's), (Start: 21 @103048 has 32 MA's), (27, 103117), (33, 103225),

Gene: EggyFarm_202 Start: 105115, Stop: 105369, Start Num: 21
Candidate Starts for EggyFarm_202:
(Start: 19 @105109 has 117 MA's), (Start: 21 @105115 has 32 MA's), (27, 105178), (33, 105286),

Gene: EmToTheThree_195 Start: 103442, Stop: 103708, Start Num: 19
Candidate Starts for EmToTheThree_195:
(Start: 19 @103442 has 117 MA's), (Start: 21 @103448 has 32 MA's), (27, 103517), (33, 103625),

Gene: EmmaElysia_197 Start: 103164, Stop: 103418, Start Num: 23
Candidate Starts for EmmaElysia_197:
(6, 103002), (11, 103083), (Start: 18 @103146 has 6 MA's), (Start: 23 @103164 has 22 MA's), (27, 103227), (33, 103335),

Gene: Erdmann_195 Start: 102917, Stop: 103183, Start Num: 19
Candidate Starts for Erdmann_195:
(Start: 19 @102917 has 117 MA's), (Start: 21 @102923 has 32 MA's), (27, 102992), (33, 103100),

Gene: ErnieJ_187 Start: 101222, Stop: 101488, Start Num: 19
Candidate Starts for ErnieJ_187:
(Start: 19 @101222 has 117 MA's), (Start: 21 @101228 has 32 MA's), (27, 101297), (33, 101405),

Gene: Essence_191 Start: 101886, Stop: 102140, Start Num: 23
Candidate Starts for Essence_191:
(6, 101724), (11, 101805), (Start: 18 @101868 has 6 MA's), (Start: 23 @101886 has 22 MA's), (27, 101949), (33, 102057),

Gene: Ewok_193 Start: 102836, Stop: 103102, Start Num: 19
Candidate Starts for Ewok_193:
(Start: 19 @102836 has 117 MA's), (Start: 21 @102842 has 32 MA's), (27, 102911), (33, 103019),

Gene: Fixie_193 Start: 102171, Stop: 102437, Start Num: 19
Candidate Starts for Fixie_193:
(Start: 7 @102114 has 2 MA's), (Start: 19 @102171 has 117 MA's), (Start: 21 @102177 has 32 MA's), (27, 102246), (33, 102354),

Gene: Flabslab_190 Start: 101364, Stop: 101630, Start Num: 19
Candidate Starts for Flabslab_190:
(Start: 19 @101364 has 117 MA's), (Start: 21 @101370 has 32 MA's), (27, 101439), (33, 101547),

Gene: Fludd_195 Start: 102755, Stop: 103021, Start Num: 19
Candidate Starts for Fludd_195:
(Start: 19 @102755 has 117 MA's), (Start: 21 @102761 has 32 MA's), (27, 102830), (33, 102938),

Gene: Fongie_195 Start: 103027, Stop: 103299, Start Num: 18
Candidate Starts for Fongie_195:
(6, 102883), (11, 102964), (Start: 18 @103027 has 6 MA's), (Start: 23 @103045 has 22 MA's), (27, 103108), (33, 103216),

Gene: FoxtrotP1_192 Start: 103528, Stop: 103782, Start Num: 23
Candidate Starts for FoxtrotP1_192:
(6, 103366), (11, 103447), (Start: 18 @103510 has 6 MA's), (Start: 23 @103528 has 22 MA's), (26, 103579), (27, 103591), (33, 103699),

Gene: FrayBell_197 Start: 102543, Stop: 102803, Start Num: 19
Candidate Starts for FrayBell_197:
(Start: 19 @102543 has 117 MA's), (Start: 21 @102549 has 32 MA's), (27, 102612), (33, 102720),

Gene: FudgeTart_189 Start: 101983, Stop: 102249, Start Num: 19
Candidate Starts for FudgeTart_189:
(Start: 19 @101983 has 117 MA's), (Start: 21 @101989 has 32 MA's), (27, 102058), (33, 102166),

Gene: Gabriel_197 Start: 101624, Stop: 101878, Start Num: 23
Candidate Starts for Gabriel_197:
(6, 101462), (11, 101543), (Start: 18 @101606 has 6 MA's), (Start: 23 @101624 has 22 MA's), (27, 101687), (33, 101795),

Gene: Gamgam_194 Start: 101492, Stop: 101752, Start Num: 21
Candidate Starts for Gamgam_194:
(Start: 7 @101429 has 2 MA's), (Start: 19 @101486 has 117 MA's), (Start: 21 @101492 has 32 MA's), (27, 101561), (33, 101669),

Gene: Ghost_194 Start: 102199, Stop: 102465, Start Num: 19
Candidate Starts for Ghost_194:
(Start: 19 @102199 has 117 MA's), (Start: 21 @102205 has 32 MA's), (27, 102274), (33, 102382),

Gene: Gizmo_199 Start: 104834, Stop: 105100, Start Num: 19
Candidate Starts for Gizmo_199:
(Start: 19 @104834 has 117 MA's), (Start: 21 @104840 has 32 MA's), (27, 104909), (33, 105017),

Gene: GlutenPhree_194 Start: 101497, Stop: 101763, Start Num: 19
Candidate Starts for GlutenPhree_194:
(Start: 7 @101440 has 2 MA's), (Start: 19 @101497 has 117 MA's), (Start: 21 @101503 has 32 MA's), (27, 101572), (33, 101680),

Gene: Grasshills_201 Start: 105114, Stop: 105368, Start Num: 21
Candidate Starts for Grasshills_201:
(Start: 19 @105108 has 117 MA's), (Start: 21 @105114 has 32 MA's), (27, 105177), (33, 105285),

Gene: Grungle_179 Start: 100236, Stop: 100502, Start Num: 19
Candidate Starts for Grungle_179:
(Start: 19 @100236 has 117 MA's), (Start: 21 @100242 has 32 MA's), (27, 100311), (33, 100419),

Gene: Guwapp_189 Start: 100736, Stop: 100990, Start Num: 21
Candidate Starts for Guwapp_189:
(Start: 19 @100730 has 117 MA's), (Start: 21 @100736 has 32 MA's), (27, 100799), (33, 100907),

Gene: Halldule_186 Start: 100632, Stop: 100898, Start Num: 19
Candidate Starts for Halldule_186:
(Start: 19 @100632 has 117 MA's), (Start: 21 @100638 has 32 MA's), (27, 100707), (33, 100815),

Gene: HyRo_182 Start: 102233, Stop: 102499, Start Num: 19
Candidate Starts for HyRo_182:
(Start: 7 @102176 has 2 MA's), (Start: 19 @102233 has 117 MA's), (Start: 21 @102239 has 32 MA's), (27, 102308), (33, 102416),

Gene: I3_202 Start: 104195, Stop: 104452, Start Num: 21
Candidate Starts for I3_202:
(Start: 19 @104189 has 117 MA's), (Start: 21 @104195 has 32 MA's), (27, 104258), (33, 104366),

Gene: IkeLoa_186 Start: 101643, Stop: 101897, Start Num: 23
Candidate Starts for IkeLoa_186:
(6, 101481), (11, 101562), (Start: 18 @101625 has 6 MA's), (Start: 23 @101643 has 22 MA's), (27, 101706), (33, 101814),

Gene: InigoMontoya_196 Start: 102160, Stop: 102426, Start Num: 19
Candidate Starts for InigoMontoya_196:
(Start: 7 @102103 has 2 MA's), (Start: 19 @102160 has 117 MA's), (Start: 21 @102166 has 32 MA's), (27, 102235), (33, 102343),

Gene: InterFolia_197 Start: 104355, Stop: 104609, Start Num: 23
Candidate Starts for InterFolia_197:
(6, 104193), (11, 104274), (Start: 18 @104337 has 6 MA's), (Start: 23 @104355 has 22 MA's), (26, 104406), (27, 104418), (33, 104526),

Gene: Iota_188 Start: 101836, Stop: 102096, Start Num: 19
Candidate Starts for Iota_188:
(Start: 19 @101836 has 117 MA's), (Start: 21 @101842 has 32 MA's), (27, 101905), (33, 102013),

Gene: Issimir_187 Start: 102050, Stop: 102373, Start Num: 7
Candidate Starts for Issimir_187:
(Start: 7 @102050 has 2 MA's), (Start: 19 @102107 has 117 MA's), (Start: 21 @102113 has 32 MA's), (27, 102182), (33, 102290),

Gene: Izajani_192 Start: 102976, Stop: 103242, Start Num: 19
Candidate Starts for Izajani_192:
(Start: 19 @102976 has 117 MA's), (Start: 21 @102982 has 32 MA's), (27, 103051), (33, 103159),

Gene: JPickles_190 Start: 100628, Stop: 100894, Start Num: 19
Candidate Starts for JPickles_190:
(Start: 7 @100571 has 2 MA's), (Start: 19 @100628 has 117 MA's), (Start: 21 @100634 has 32 MA's), (27, 100703), (33, 100811),

Gene: Janiyra_198 Start: 103177, Stop: 103443, Start Num: 19
Candidate Starts for Janiyra_198:
(Start: 19 @103177 has 117 MA's), (Start: 21 @103183 has 32 MA's), (27, 103252), (33, 103360),

Gene: JayJay_196 Start: 103391, Stop: 103657, Start Num: 19
Candidate Starts for JayJay_196:
(Start: 19 @103391 has 117 MA's), (Start: 21 @103397 has 32 MA's), (27, 103466), (33, 103574),

Gene: Jaygup_190 Start: 101701, Stop: 101955, Start Num: 23
Candidate Starts for Jaygup_190:
(6, 101539), (11, 101620), (Start: 18 @101683 has 6 MA's), (Start: 23 @101701 has 22 MA's), (27, 101764), (33, 101872),

Gene: JeanGrey_65 Start: 52192, Stop: 52446, Start Num: 18
Candidate Starts for JeanGrey_65:
(Start: 18 @52192 has 6 MA's), (28, 52315), (31, 52360),

Gene: Jedediah_194 Start: 102748, Stop: 103008, Start Num: 19
Candidate Starts for Jedediah_194:
(Start: 19 @102748 has 117 MA's), (Start: 21 @102754 has 32 MA's), (27, 102817), (33, 102925),

Gene: Jemmno_193 Start: 101571, Stop: 101837, Start Num: 19
Candidate Starts for Jemmno_193:
(Start: 19 @101571 has 117 MA's), (Start: 21 @101577 has 32 MA's), (27, 101646), (33, 101754),

Gene: Jessibeth14_194 Start: 103585, Stop: 103851, Start Num: 19
Candidate Starts for Jessibeth14_194:
(Start: 19 @103585 has 117 MA's), (Start: 21 @103591 has 32 MA's), (27, 103660), (33, 103768),

Gene: Jezreel_191 Start: 102660, Stop: 102920, Start Num: 21
Candidate Starts for Jezreel_191:
(Start: 7 @102597 has 2 MA's), (Start: 19 @102654 has 117 MA's), (Start: 21 @102660 has 32 MA's),
(27, 102729), (33, 102837),

Gene: JigglyPuff_199 Start: 104508, Stop: 104765, Start Num: 23
Candidate Starts for JigglyPuff_199:
(6, 104463), (Start: 23 @104508 has 22 MA's), (27, 104571), (33, 104679),

Gene: JulietS_185 Start: 99860, Stop: 100126, Start Num: 19
Candidate Starts for JulietS_185:
(Start: 19 @99860 has 117 MA's), (Start: 21 @99866 has 32 MA's), (27, 99935), (33, 100043),

Gene: JustHall_189 Start: 102084, Stop: 102350, Start Num: 19
Candidate Starts for JustHall_189:
(Start: 19 @102084 has 117 MA's), (Start: 21 @102090 has 32 MA's), (27, 102159), (33, 102267),

Gene: Kamryn_193 Start: 103399, Stop: 103671, Start Num: 18
Candidate Starts for Kamryn_193:
(6, 103255), (11, 103336), (Start: 18 @103399 has 6 MA's), (Start: 23 @103417 has 22 MA's), (27,
103480), (33, 103588),

Gene: Kboogie_198 Start: 102742, Stop: 103008, Start Num: 19
Candidate Starts for Kboogie_198:
(Start: 19 @102742 has 117 MA's), (Start: 21 @102748 has 32 MA's), (27, 102817), (33, 102925),

Gene: Khaleesi_193 Start: 103052, Stop: 103318, Start Num: 19
Candidate Starts for Khaleesi_193:
(Start: 19 @103052 has 117 MA's), (Start: 21 @103058 has 32 MA's), (27, 103127), (33, 103235),

Gene: Koguma_192 Start: 101609, Stop: 101875, Start Num: 19
Candidate Starts for Koguma_192:
(Start: 19 @101609 has 117 MA's), (Start: 21 @101615 has 32 MA's), (27, 101684), (33, 101792),

Gene: LRRHood_186 Start: 101954, Stop: 102220, Start Num: 19
Candidate Starts for LRRHood_186:
(Start: 19 @101954 has 117 MA's), (Start: 21 @101960 has 32 MA's), (27, 102029), (33, 102137),

Gene: Labradorite_192 Start: 101193, Stop: 101447, Start Num: 21
Candidate Starts for Labradorite_192:

(Start: 19 @101187 has 117 MA's), (Start: 21 @101193 has 32 MA's), (27, 101256), (33, 101364),

Gene: Latch_193 Start: 101496, Stop: 101762, Start Num: 19

Candidate Starts for Latch_193:

(Start: 7 @101439 has 2 MA's), (Start: 19 @101496 has 117 MA's), (Start: 21 @101502 has 32 MA's), (27, 101571), (33, 101679),

Gene: Lee7_194 Start: 104432, Stop: 104698, Start Num: 19

Candidate Starts for Lee7_194:

(Start: 19 @104432 has 117 MA's), (Start: 21 @104438 has 32 MA's), (27, 104507), (33, 104615),

Gene: Lethe_194 Start: 103695, Stop: 103961, Start Num: 19

Candidate Starts for Lethe_194:

(Start: 19 @103695 has 117 MA's), (Start: 21 @103701 has 32 MA's), (27, 103770), (33, 103878),

Gene: LifeSavor_193 Start: 102498, Stop: 102770, Start Num: 18

Candidate Starts for LifeSavor_193:

(6, 102354), (11, 102435), (Start: 18 @102498 has 6 MA's), (Start: 23 @102516 has 22 MA's), (27, 102579), (33, 102687),

Gene: LinStu_192 Start: 102550, Stop: 102816, Start Num: 19

Candidate Starts for LinStu_192:

(Start: 19 @102550 has 117 MA's), (Start: 21 @102556 has 32 MA's), (27, 102625), (33, 102733),

Gene: Littleton_197 Start: 103222, Stop: 103482, Start Num: 21

Candidate Starts for Littleton_197:

(Start: 19 @103216 has 117 MA's), (Start: 21 @103222 has 32 MA's), (27, 103291), (33, 103399),

Gene: Loanshark_191 Start: 102367, Stop: 102633, Start Num: 19

Candidate Starts for Loanshark_191:

(Start: 19 @102367 has 117 MA's), (Start: 21 @102373 has 32 MA's), (27, 102442), (33, 102550),

Gene: LolaVinca_192 Start: 103785, Stop: 104039, Start Num: 21

Candidate Starts for LolaVinca_192:

(Start: 19 @103779 has 117 MA's), (Start: 21 @103785 has 32 MA's), (27, 103848), (33, 103956),

Gene: LookingGlass_193 Start: 102727, Stop: 102999, Start Num: 18

Candidate Starts for LookingGlass_193:

(6, 102583), (11, 102664), (Start: 18 @102727 has 6 MA's), (Start: 23 @102745 has 22 MA's), (27, 102808), (33, 102916),

Gene: LordLeafolot_195 Start: 103397, Stop: 103651, Start Num: 21

Candidate Starts for LordLeafolot_195:

(Start: 19 @103391 has 117 MA's), (Start: 21 @103397 has 32 MA's), (27, 103460), (33, 103568),

Gene: Lukilu_184 Start: 102970, Stop: 103230, Start Num: 21

Candidate Starts for Lukilu_184:

(Start: 19 @102964 has 117 MA's), (Start: 21 @102970 has 32 MA's), (27, 103039), (33, 103147),

Gene: Lunareta_193 Start: 104386, Stop: 104652, Start Num: 19

Candidate Starts for Lunareta_193:

(Start: 19 @104386 has 117 MA's), (Start: 21 @104392 has 32 MA's), (27, 104461), (33, 104569),

Gene: Maby2021_193 Start: 103496, Stop: 103762, Start Num: 19
Candidate Starts for Maby2021_193:
(Start: 19 @103496 has 117 MA's), (Start: 21 @103502 has 32 MA's), (27, 103571), (33, 103679),

Gene: Mangeria_194 Start: 103289, Stop: 103555, Start Num: 19
Candidate Starts for Mangeria_194:
(Start: 7 @103232 has 2 MA's), (Start: 19 @103289 has 117 MA's), (Start: 21 @103295 has 32 MA's),
(27, 103364), (33, 103472),

Gene: Matsumoto_193 Start: 102730, Stop: 102996, Start Num: 19
Candidate Starts for Matsumoto_193:
(Start: 19 @102730 has 117 MA's), (Start: 21 @102736 has 32 MA's), (27, 102805), (33, 102913),

Gene: Maturis_192 Start: 103242, Stop: 103508, Start Num: 19
Candidate Starts for Maturis_192:
(Start: 19 @103242 has 117 MA's), (Start: 21 @103248 has 32 MA's), (27, 103317), (33, 103425),

Gene: McGee_194 Start: 101930, Stop: 102190, Start Num: 21
Candidate Starts for McGee_194:
(Start: 19 @101924 has 117 MA's), (Start: 21 @101930 has 32 MA's), (27, 101999), (33, 102107),

Gene: McWolfish_191 Start: 102263, Stop: 102529, Start Num: 19
Candidate Starts for McWolfish_191:
(Start: 7 @102206 has 2 MA's), (Start: 19 @102263 has 117 MA's), (Start: 21 @102269 has 32 MA's),
(27, 102338), (33, 102446),

Gene: Megamind_191 Start: 102554, Stop: 102820, Start Num: 19
Candidate Starts for Megamind_191:
(Start: 19 @102554 has 117 MA's), (Start: 21 @102560 has 32 MA's), (27, 102629), (33, 102737),

Gene: Melpomini_188 Start: 101030, Stop: 101296, Start Num: 19
Candidate Starts for Melpomini_188:
(Start: 19 @101030 has 117 MA's), (Start: 21 @101036 has 32 MA's), (27, 101105), (33, 101213),

Gene: MikeLiesIn_195 Start: 103696, Stop: 103956, Start Num: 21
Candidate Starts for MikeLiesIn_195:
(Start: 19 @103690 has 117 MA's), (Start: 21 @103696 has 32 MA's), (27, 103765), (33, 103873),

Gene: Mikro_189 Start: 103930, Stop: 104196, Start Num: 19
Candidate Starts for Mikro_189:
(Start: 19 @103930 has 117 MA's), (Start: 21 @103936 has 32 MA's), (27, 104005), (33, 104113),

Gene: Moby_190 Start: 101704, Stop: 101970, Start Num: 19
Candidate Starts for Moby_190:
(Start: 19 @101704 has 117 MA's), (Start: 21 @101710 has 32 MA's), (27, 101779), (33, 101887),

Gene: Moiqah_189 Start: 101681, Stop: 101947, Start Num: 19
Candidate Starts for Moiqah_189:
(Start: 19 @101681 has 117 MA's), (Start: 21 @101687 has 32 MA's), (27, 101756), (33, 101864),

Gene: Momo_194 Start: 101496, Stop: 101762, Start Num: 19
Candidate Starts for Momo_194:

(Start: 7 @101439 has 2 MA's), (Start: 19 @101496 has 117 MA's), (Start: 21 @101502 has 32 MA's), (27, 101571), (33, 101679),

Gene: Montpel_193 Start: 104384, Stop: 104650, Start Num: 19

Candidate Starts for Montpel_193:

(Start: 19 @104384 has 117 MA's), (Start: 21 @104390 has 32 MA's), (27, 104459), (33, 104567),

Gene: Morizzled23_192 Start: 101654, Stop: 101920, Start Num: 19

Candidate Starts for Morizzled23_192:

(Start: 19 @101654 has 117 MA's), (Start: 21 @101660 has 32 MA's), (27, 101729), (33, 101837),

Gene: Naija_194 Start: 102199, Stop: 102465, Start Num: 19

Candidate Starts for Naija_194:

(Start: 7 @102142 has 2 MA's), (Start: 19 @102199 has 117 MA's), (Start: 21 @102205 has 32 MA's), (27, 102274), (33, 102382),

Gene: Napoleon13_192 Start: 102019, Stop: 102285, Start Num: 19

Candidate Starts for Napoleon13_192:

(Start: 19 @102019 has 117 MA's), (Start: 21 @102025 has 32 MA's), (27, 102094), (33, 102202),

Gene: Nappy_194 Start: 103904, Stop: 104164, Start Num: 19

Candidate Starts for Nappy_194:

(Start: 19 @103904 has 117 MA's), (Start: 21 @103910 has 32 MA's), (27, 103973), (33, 104081),

Gene: Naval22_201 Start: 104285, Stop: 104551, Start Num: 19

Candidate Starts for Naval22_201:

(Start: 19 @104285 has 117 MA's), (Start: 21 @104291 has 32 MA's), (27, 104360), (33, 104468),

Gene: NedWong_193 Start: 102941, Stop: 103207, Start Num: 19

Candidate Starts for NedWong_193:

(Start: 19 @102941 has 117 MA's), (Start: 21 @102947 has 32 MA's), (27, 103016), (33, 103124),

Gene: Ngannou_190 Start: 100478, Stop: 100744, Start Num: 19

Candidate Starts for Ngannou_190:

(Start: 7 @100421 has 2 MA's), (Start: 19 @100478 has 117 MA's), (Start: 21 @100484 has 32 MA's), (27, 100553), (33, 100661),

Gene: Nidhogg_195 Start: 103334, Stop: 103600, Start Num: 19

Candidate Starts for Nidhogg_195:

(Start: 19 @103334 has 117 MA's), (Start: 21 @103340 has 32 MA's), (27, 103409), (33, 103517),

Gene: NoodleTree_200 Start: 103241, Stop: 103507, Start Num: 19

Candidate Starts for NoodleTree_200:

(Start: 19 @103241 has 117 MA's), (Start: 21 @103247 has 32 MA's), (27, 103316), (33, 103424),

Gene: Norm_193 Start: 102940, Stop: 103206, Start Num: 19

Candidate Starts for Norm_193:

(Start: 19 @102940 has 117 MA's), (Start: 21 @102946 has 32 MA's), (27, 103015), (33, 103123),

Gene: NuevoMundo_197 Start: 104963, Stop: 105235, Start Num: 18

Candidate Starts for NuevoMundo_197:

(6, 104819), (11, 104900), (Start: 18 @104963 has 6 MA's), (Start: 23 @104981 has 22 MA's), (27, 105044), (33, 105152),

Gene: OrediggerDelux_190 Start: 103472, Stop: 103738, Start Num: 19

Candidate Starts for OrediggerDelux_190:

(Start: 7 @103415 has 2 MA's), (Start: 19 @103472 has 117 MA's), (Start: 21 @103478 has 32 MA's), (27, 103547), (33, 103655),

Gene: ParkTD_192 Start: 102804, Stop: 103070, Start Num: 19

Candidate Starts for ParkTD_192:

(Start: 19 @102804 has 117 MA's), (Start: 21 @102810 has 32 MA's), (27, 102879), (33, 102987),

Gene: Patter_194 Start: 101516, Stop: 101776, Start Num: 19

Candidate Starts for Patter_194:

(Start: 19 @101516 has 117 MA's), (Start: 21 @101522 has 32 MA's), (27, 101585), (33, 101693),

Gene: PharkleMinkus_196 Start: 102548, Stop: 102802, Start Num: 21

Candidate Starts for PharkleMinkus_196:

(Start: 19 @102542 has 117 MA's), (Start: 21 @102548 has 32 MA's), (27, 102611), (33, 102719),

Gene: Phlegm_197 Start: 102199, Stop: 102465, Start Num: 19

Candidate Starts for Phlegm_197:

(Start: 7 @102142 has 2 MA's), (Start: 19 @102199 has 117 MA's), (Start: 21 @102205 has 32 MA's), (27, 102274), (33, 102382),

Gene: Phox_194 Start: 103160, Stop: 103426, Start Num: 19

Candidate Starts for Phox_194:

(Start: 19 @103160 has 117 MA's), (Start: 21 @103166 has 32 MA's), (27, 103235), (33, 103343),

Gene: Phrappuccino_103 Start: 76664, Stop: 76951, Start Num: 16

Candidate Starts for Phrappuccino_103:

(Start: 16 @76664 has 2 MA's), (22, 76709), (25, 76754), (30, 76850), (34, 76889), (36, 76910),

Gene: Phusco_193 Start: 101823, Stop: 102089, Start Num: 19

Candidate Starts for Phusco_193:

(Start: 19 @101823 has 117 MA's), (Start: 21 @101829 has 32 MA's), (27, 101898), (33, 102006),

Gene: Pier_195 Start: 104505, Stop: 104777, Start Num: 18

Candidate Starts for Pier_195:

(6, 104361), (11, 104442), (Start: 18 @104505 has 6 MA's), (Start: 23 @104523 has 22 MA's), (27, 104586), (33, 104694),

Gene: Pinkcreek_178 Start: 101721, Stop: 101981, Start Num: 21

Candidate Starts for Pinkcreek_178:

(Start: 19 @101715 has 117 MA's), (Start: 21 @101721 has 32 MA's), (27, 101790), (33, 101898),

Gene: Pio_202 Start: 105718, Stop: 105972, Start Num: 23

Candidate Starts for Pio_202:

(6, 105556), (11, 105637), (Start: 18 @105700 has 6 MA's), (Start: 23 @105718 has 22 MA's), (27, 105781), (33, 105889),

Gene: Pivoine_194 Start: 102199, Stop: 102465, Start Num: 19

Candidate Starts for Pivoine_194:

(Start: 7 @102142 has 2 MA's), (Start: 19 @102199 has 117 MA's), (Start: 21 @102205 has 32 MA's), (27, 102274), (33, 102382),

Gene: Pleione_198 Start: 103283, Stop: 103549, Start Num: 19
Candidate Starts for Pleione_198:
(Start: 19 @103283 has 117 MA's), (Start: 21 @103289 has 32 MA's), (27, 103358), (33, 103466),

Gene: Primadonna_188 Start: 101857, Stop: 102111, Start Num: 21
Candidate Starts for Primadonna_188:
(Start: 19 @101851 has 117 MA's), (Start: 21 @101857 has 32 MA's), (27, 101920), (33, 102028),

Gene: Pupusa_198 Start: 104023, Stop: 104277, Start Num: 21
Candidate Starts for Pupusa_198:
(Start: 19 @104017 has 117 MA's), (Start: 21 @104023 has 32 MA's), (27, 104086), (33, 104194),

Gene: PurduePete_194 Start: 103510, Stop: 103776, Start Num: 19
Candidate Starts for PurduePete_194:
(Start: 19 @103510 has 117 MA's), (Start: 21 @103516 has 32 MA's), (27, 103585), (33, 103693),

Gene: QBert_185 Start: 101573, Stop: 101827, Start Num: 23
Candidate Starts for QBert_185:
(6, 101411), (11, 101492), (Start: 18 @101555 has 6 MA's), (Start: 23 @101573 has 22 MA's), (27, 101636), (33, 101744),

Gene: Quasimodo_197 Start: 103617, Stop: 103883, Start Num: 19
Candidate Starts for Quasimodo_197:
(Start: 19 @103617 has 117 MA's), (Start: 21 @103623 has 32 MA's), (27, 103692), (33, 103800),

Gene: Rabinovish_188 Start: 103891, Stop: 104157, Start Num: 19
Candidate Starts for Rabinovish_188:
(Start: 19 @103891 has 117 MA's), (Start: 21 @103897 has 32 MA's), (27, 103966), (33, 104074),

Gene: Rahel_195 Start: 102417, Stop: 102683, Start Num: 19
Candidate Starts for Rahel_195:
(Start: 19 @102417 has 117 MA's), (Start: 21 @102423 has 32 MA's), (27, 102492), (33, 102600),

Gene: Rizal_187 Start: 101244, Stop: 101510, Start Num: 19
Candidate Starts for Rizal_187:
(Start: 19 @101244 has 117 MA's), (Start: 21 @101250 has 32 MA's), (27, 101319), (33, 101427),

Gene: RoMag_189 Start: 102728, Stop: 102994, Start Num: 19
Candidate Starts for RoMag_189:
(Start: 7 @102671 has 2 MA's), (Start: 19 @102728 has 117 MA's), (Start: 21 @102734 has 32 MA's), (27, 102803), (33, 102911),

Gene: Rocha_191 Start: 102002, Stop: 102262, Start Num: 21
Candidate Starts for Rocha_191:
(Start: 19 @101996 has 117 MA's), (Start: 21 @102002 has 32 MA's), (27, 102071), (33, 102179),

Gene: Ronan_189 Start: 100655, Stop: 100909, Start Num: 21
Candidate Starts for Ronan_189:
(Start: 19 @100649 has 117 MA's), (Start: 21 @100655 has 32 MA's), (27, 100718), (33, 100826),

Gene: Roots515_196 Start: 104068, Stop: 104328, Start Num: 21
Candidate Starts for Roots515_196:

(Start: 19 @104062 has 117 MA's), (Start: 21 @104068 has 32 MA's), (27, 104137), (33, 104245),

Gene: SVoro_190 Start: 103029, Stop: 103295, Start Num: 19

Candidate Starts for SVoro_190:

(Start: 19 @103029 has 117 MA's), (Start: 21 @103035 has 32 MA's), (27, 103104), (33, 103212),

Gene: Salacia_194 Start: 102832, Stop: 103086, Start Num: 21

Candidate Starts for Salacia_194:

(Start: 19 @102826 has 117 MA's), (Start: 21 @102832 has 32 MA's), (27, 102895), (33, 103003),

Gene: Sauce_190 Start: 101640, Stop: 101900, Start Num: 19

Candidate Starts for Sauce_190:

(Start: 19 @101640 has 117 MA's), (Start: 21 @101646 has 32 MA's), (27, 101709), (33, 101817),

Gene: ScottMcG_187 Start: 101267, Stop: 101533, Start Num: 19

Candidate Starts for ScottMcG_187:

(Start: 7 @101210 has 2 MA's), (Start: 19 @101267 has 117 MA's), (Start: 21 @101273 has 32 MA's), (27, 101342), (33, 101450),

Gene: Sebata_195 Start: 103975, Stop: 104241, Start Num: 19

Candidate Starts for Sebata_195:

(Start: 19 @103975 has 117 MA's), (Start: 21 @103981 has 32 MA's), (27, 104050), (33, 104158),

Gene: Settecandela_103 Start: 76664, Stop: 76951, Start Num: 16

Candidate Starts for Settecandela_103:

(Start: 16 @76664 has 2 MA's), (22, 76709), (25, 76754), (30, 76850), (34, 76889), (36, 76910),

Gene: Shaqnato_186 Start: 102160, Stop: 102426, Start Num: 19

Candidate Starts for Shaqnato_186:

(Start: 19 @102160 has 117 MA's), (Start: 21 @102166 has 32 MA's), (27, 102235), (33, 102343),

Gene: Shelob_195 Start: 104429, Stop: 104683, Start Num: 23

Candidate Starts for Shelob_195:

(6, 104267), (11, 104348), (Start: 18 @104411 has 6 MA's), (Start: 23 @104429 has 22 MA's), (27, 104492), (33, 104600),

Gene: ShiaLabeouf_191 Start: 101637, Stop: 101891, Start Num: 21

Candidate Starts for ShiaLabeouf_191:

(Start: 19 @101631 has 117 MA's), (Start: 21 @101637 has 32 MA's), (27, 101700), (33, 101808),

Gene: Shnickers_192 Start: 101701, Stop: 101955, Start Num: 23

Candidate Starts for Shnickers_192:

(6, 101539), (11, 101620), (Start: 18 @101683 has 6 MA's), (Start: 23 @101701 has 22 MA's), (27, 101764), (33, 101872),

Gene: Shrimp_195 Start: 103281, Stop: 103535, Start Num: 21

Candidate Starts for Shrimp_195:

(Start: 19 @103275 has 117 MA's), (Start: 21 @103281 has 32 MA's), (27, 103344), (33, 103452),

Gene: SilverDipper_197 Start: 102755, Stop: 103021, Start Num: 19

Candidate Starts for SilverDipper_197:

(Start: 7 @102698 has 2 MA's), (Start: 19 @102755 has 117 MA's), (Start: 21 @102761 has 32 MA's), (27, 102830), (33, 102938),

Gene: SmallFry_194 Start: 101795, Stop: 102049, Start Num: 21
Candidate Starts for SmallFry_194:
(Start: 19 @101789 has 117 MA's), (Start: 21 @101795 has 32 MA's), (27, 101858), (33, 101966),

Gene: SoilZilla_190 Start: 102645, Stop: 102911, Start Num: 19
Candidate Starts for SoilZilla_190:
(Start: 19 @102645 has 117 MA's), (Start: 21 @102651 has 32 MA's), (27, 102720), (33, 102828),

Gene: Spec_189 Start: 101980, Stop: 102240, Start Num: 19
Candidate Starts for Spec_189:
(Start: 19 @101980 has 117 MA's), (Start: 21 @101986 has 32 MA's), (27, 102049), (33, 102157),

Gene: Specks_198 Start: 104104, Stop: 104358, Start Num: 23
Candidate Starts for Specks_198:
(6, 103942), (11, 104023), (Start: 18 @104086 has 6 MA's), (Start: 23 @104104 has 22 MA's), (27, 104167), (33, 104275),

Gene: Sprinklers_191 Start: 101864, Stop: 102130, Start Num: 19
Candidate Starts for Sprinklers_191:
(Start: 19 @101864 has 117 MA's), (Start: 21 @101870 has 32 MA's), (27, 101939), (33, 102047),

Gene: Spud_189 Start: 102305, Stop: 102628, Start Num: 7
Candidate Starts for Spud_189:
(Start: 7 @102305 has 2 MA's), (Start: 19 @102362 has 117 MA's), (Start: 21 @102368 has 32 MA's), (27, 102437), (33, 102545),

Gene: SrishMeg2525_191 Start: 103043, Stop: 103309, Start Num: 19
Candidate Starts for SrishMeg2525_191:
(Start: 19 @103043 has 117 MA's), (Start: 21 @103049 has 32 MA's), (27, 103118), (33, 103226),

Gene: StephanieG_191 Start: 103563, Stop: 103823, Start Num: 21
Candidate Starts for StephanieG_191:
(Start: 7 @103500 has 2 MA's), (Start: 19 @103557 has 117 MA's), (Start: 21 @103563 has 32 MA's), (27, 103632), (33, 103740),

Gene: Stubby_179 Start: 102402, Stop: 102668, Start Num: 19
Candidate Starts for Stubby_179:
(Start: 19 @102402 has 117 MA's), (Start: 21 @102408 has 32 MA's), (27, 102477), (33, 102585),

Gene: StubbySaigey_198 Start: 102289, Stop: 102555, Start Num: 19
Candidate Starts for StubbySaigey_198:
(Start: 19 @102289 has 117 MA's), (Start: 21 @102295 has 32 MA's), (27, 102364), (33, 102472),

Gene: Substance289_191 Start: 101825, Stop: 102097, Start Num: 18
Candidate Starts for Substance289_191:
(6, 101681), (11, 101762), (Start: 18 @101825 has 6 MA's), (Start: 23 @101843 has 22 MA's), (27, 101906), (33, 102014),

Gene: Tainan_195 Start: 103123, Stop: 103377, Start Num: 21
Candidate Starts for Tainan_195:
(Start: 19 @103117 has 117 MA's), (Start: 21 @103123 has 32 MA's), (27, 103186), (33, 103294),

Gene: Teardrop_191 Start: 101299, Stop: 101553, Start Num: 23
Candidate Starts for Teardrop_191:
(6, 101137), (11, 101218), (Start: 18 @101281 has 6 MA's), (Start: 23 @101299 has 22 MA's), (27, 101362), (33, 101470),

Gene: TinyTim_192 Start: 101892, Stop: 102158, Start Num: 19
Candidate Starts for TinyTim_192:
(Start: 7 @101835 has 2 MA's), (Start: 19 @101892 has 117 MA's), (Start: 21 @101898 has 32 MA's), (27, 101967), (33, 102075),

Gene: Tonenili_214 Start: 108070, Stop: 108327, Start Num: 23
Candidate Starts for Tonenili_214:
(2, 107725), (5, 107743), (6, 107908), (8, 107956), (9, 107959), (11, 107989), (Start: 18 @108052 has 6 MA's), (Start: 23 @108070 has 22 MA's), (27, 108133), (33, 108241),

Gene: Tortoise16_192 Start: 102540, Stop: 102794, Start Num: 23
Candidate Starts for Tortoise16_192:
(6, 102378), (11, 102459), (Start: 18 @102522 has 6 MA's), (Start: 23 @102540 has 22 MA's), (27, 102603), (33, 102711),

Gene: Trinitium_191 Start: 102122, Stop: 102388, Start Num: 19
Candidate Starts for Trinitium_191:
(Start: 19 @102122 has 117 MA's), (Start: 21 @102128 has 32 MA's), (27, 102197), (33, 102305),

Gene: Turret_188 Start: 101704, Stop: 101970, Start Num: 19
Candidate Starts for Turret_188:
(Start: 19 @101704 has 117 MA's), (Start: 21 @101710 has 32 MA's), (27, 101779), (33, 101887),

Gene: Tyke_192 Start: 103907, Stop: 104161, Start Num: 23
Candidate Starts for Tyke_192:
(6, 103745), (11, 103826), (Start: 18 @103889 has 6 MA's), (Start: 23 @103907 has 22 MA's), (27, 103970), (33, 104078),

Gene: ValleyTerrace_194 Start: 101496, Stop: 101762, Start Num: 19
Candidate Starts for ValleyTerrace_194:
(Start: 7 @101439 has 2 MA's), (Start: 19 @101496 has 117 MA's), (Start: 21 @101502 has 32 MA's), (27, 101571), (33, 101679),

Gene: Vortrix_212 Start: 106856, Stop: 107113, Start Num: 23
Candidate Starts for Vortrix_212:
(2, 106511), (5, 106529), (6, 106694), (8, 106742), (9, 106745), (11, 106775), (Start: 18 @106838 has 6 MA's), (Start: 23 @106856 has 22 MA's), (27, 106919), (33, 107027),

Gene: Wally_193 Start: 102272, Stop: 102538, Start Num: 19
Candidate Starts for Wally_193:
(Start: 19 @102272 has 117 MA's), (Start: 21 @102278 has 32 MA's), (27, 102347), (33, 102455),

Gene: Willis_194 Start: 102703, Stop: 102969, Start Num: 19
Candidate Starts for Willis_194:
(Start: 19 @102703 has 117 MA's), (Start: 21 @102709 has 32 MA's), (27, 102778), (33, 102886),

Gene: Yassified_190 Start: 101847, Stop: 102107, Start Num: 19
Candidate Starts for Yassified_190:

(Start: 19 @101847 has 117 MA's), (Start: 21 @101853 has 32 MA's), (27, 101916), (33, 102024),

Gene: YemiJoy2021_194 Start: 103459, Stop: 103725, Start Num: 19

Candidate Starts for YemiJoy2021_194:

(Start: 19 @103459 has 117 MA's), (Start: 21 @103465 has 32 MA's), (27, 103534), (33, 103642),

Gene: YoungMoneyMata_193 Start: 102490, Stop: 102750, Start Num: 19

Candidate Starts for YoungMoneyMata_193:

(Start: 19 @102490 has 117 MA's), (Start: 21 @102496 has 32 MA's), (27, 102559), (33, 102667),

Gene: Yucca_194 Start: 103450, Stop: 103716, Start Num: 19

Candidate Starts for Yucca_194:

(Start: 19 @103450 has 117 MA's), (Start: 21 @103456 has 32 MA's), (27, 103525), (33, 103633),

Gene: Zalkecks_193 Start: 102532, Stop: 102798, Start Num: 19

Candidate Starts for Zalkecks_193:

(Start: 19 @102532 has 117 MA's), (Start: 21 @102538 has 32 MA's), (27, 102607), (33, 102715),

Gene: Zeenon_196 Start: 103108, Stop: 103368, Start Num: 21

Candidate Starts for Zeenon_196:

(Start: 19 @103102 has 117 MA's), (Start: 21 @103108 has 32 MA's), (27, 103177), (33, 103285),

Gene: ZygoTaiga_190 Start: 103723, Stop: 103989, Start Num: 19

Candidate Starts for ZygoTaiga_190:

(Start: 19 @103723 has 117 MA's), (Start: 21 @103729 has 32 MA's), (27, 103798), (33, 103906),