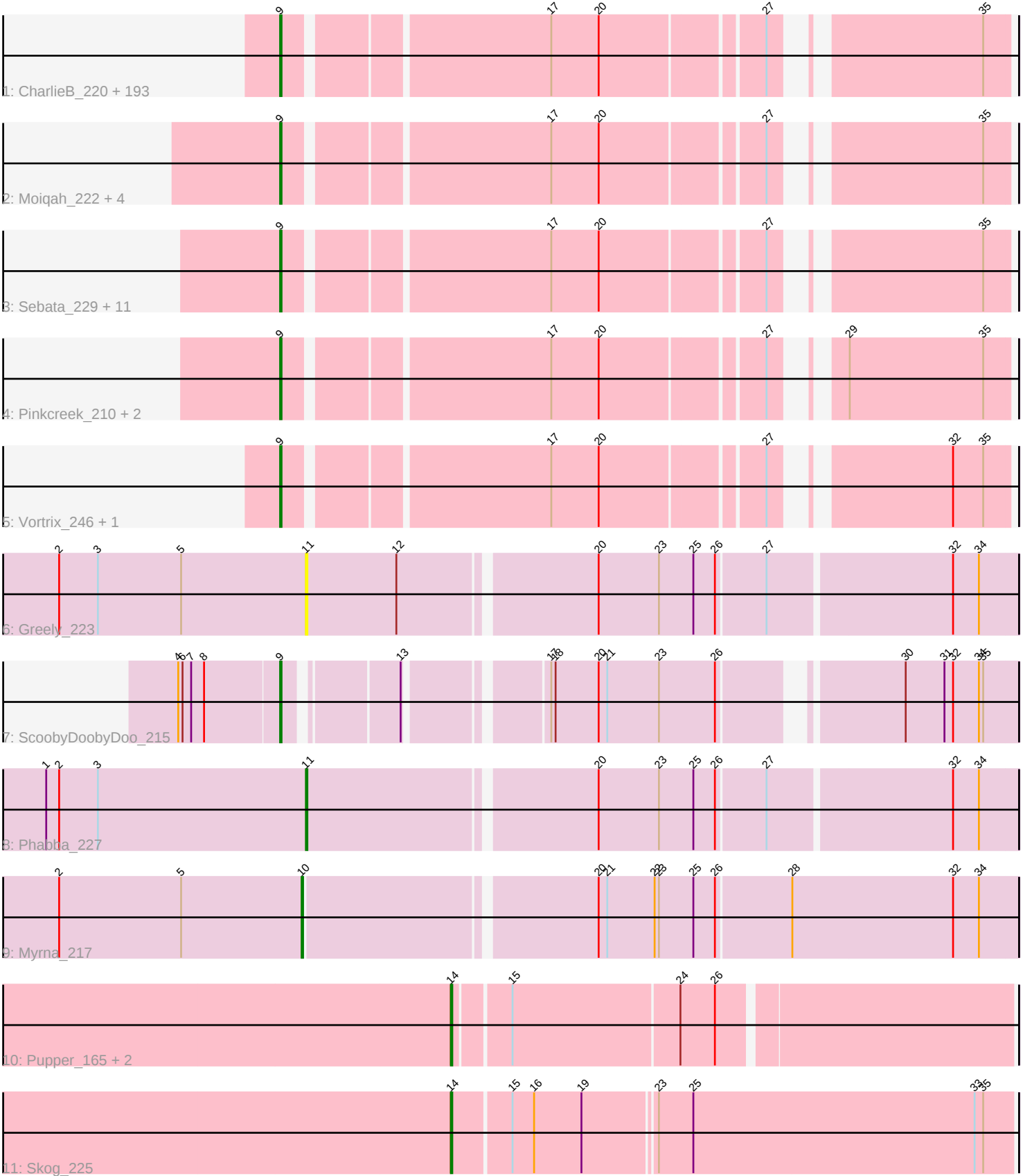


Pham 250250



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 250250 Report

This analysis was run 02/07/26 on database version 634.

Pham number 250250 has 224 members, 39 are drafts.

Phages represented in each track:

- Track 1 : CharlieB_220, BigCity_235, Jessibeth14_226, JustHall_220, ChaylaJr_225, Audrick_228, LRRHood_219, Grasshills_234, Matsumoto_224, Caravan_217, Spud_220, Pivoine_227, JPickles_223, DTDevon_229, FoxtrotP1_224, Patter_228, Gamgam_227, Cleatunium_219, SilverDipper_230, Naija_227, Jezreel_223, ShiaLabeouf_224, Drazdys_225, BeanWater_219, Loanshark_223, Tainan_227, ErnieJ_219, Delylah_228, Ghost_227, Halldule_219, Breeniome_225, EggyFarm_235, Mikro_222, BadAgartude_220, CindyLou_227, GlutenPhree_227, NedWong_225, LordLeafolot_227, Basquiat_223, Dietrick_215, Guwapp_222, Blackdragon_221, ValleyTerrace_227, Kboogie_230, Roots515_228, YemiJoy2021_227, Darko_225, Maby2021_226, Amataga_227, Lukilu_217, Latch_226, Yassified_223, Gizmo_232, Grungle_210, Shnickers_225, DirtMonster_219, Mangeria_227, Bigswole_231, PharkleMinkus_228, Burrough_228, Issimir_219, Quasimodo_229, Shaqnato_217, StephanieG_222, Chargie21_223, OrediggerDelux_222, Spec_221, EasyJones_229, TinyTim_224, LolaVinca_224, Phusco_225, Capablanca_231, SmallFry_227, Jaygup_223, Jedediah_227, ScottMcG_220, Shrimp_228, Atlantean_226, ChickenPhender_222, Erdmann_227, PurduePete_226, ArcherS7_227, Ngannou_223, Cali_219, RoMag_221, Pier_227, Delilah_224, Sprinklers_224, Fixie_226, SVoro_223, DrPhinkDaddy_223, Astraea_220, Kamryn_225, Nappy_228, McGee_226, Bxz1_215, Ronan_222, Catera_218, Bread_221, Bowman_224, Ewok_225, ParkTD_225, Specks_230, Belieber_219, Lethe_226, MikeLiesIn_228, Tortoise16_224, Ading_228, Megamind_223, Derek_224, Rizal_218, Jemmno_226, Phlegm_230, Napoleon13_223, Asterius_228, FrayBell_229, Demodog_232, Pleione_230, LookingGlass_225, Izajani_224, Fludd_226, Pupusa_230, Bonray_228, Duckfeet_220, BobaPhatt_218, Zalkecks_225, Trinitium_222, Adlitam_226, Primadonna_221, Nidhogg_227, Phox_227, JulietS_217, Zeenon_228, Sauce_223, BananaFence_223, Substance289_223, MoMoMixon_224, Salacia_228, Turret_219, Gabriel_229, Janiyr_229, YoungMoneyMata_226, Fongie_227, NoodleTree_232, EmmaElysia_231, Dandelion_234, Rahel_228, Chomp_227, Bangla1971_227, Bezza_215, Teardrop_224, NuevoMundo_229, Naval22_231, Wally_224, I3_236, Babyland_229, Ava3_225, Pio_234, Norm_226, StubbySaigey_231, EmToTheThree_226, IkeLoa_219, Iota_221, InigoMontoya_229, Morizzled23_223, Domi_220, Koguma_225, LinStu_225, JigglyPuff_233, LifeSavor_226, Shelob_227, Ablatia_225, ZygoTaiga_223, Khaleesi_225, Cactojaque_222, Momo_227, SrishMeg2525_223, Daffodil_231, Melpomini_221, InterFolia_229, Lee7_226, Essence_224, Tyke_225, FudgeTart_221, Concombre_231, McWolfish_223, QBert_218, Bipolarisk_224, Yucca_226, Willis_227, Dessert_224, Labradorite_224,

Littleton_229, Rocha_223

- Track 2 : Moiqah_222, DeejaClivia_215, Moby_222, Shifa_204, HyRo_213
- Track 3 : Sebata_229, Colt_218, JayJay_229, Alice_213, BackyardAgain_223, Cane17_218, Lunareta_225, Flabslab_222, Blubba_216, Montpel_225, Blackbrain_224, Stubby_210
- Track 4 : Pinkcreek_210, ET08_214, Rabinovish_219
- Track 5 : Vortrix_246, Tonenili_248
- Track 6 : Greely_223
- Track 7 : ScoobyDoobyDoo_215
- Track 8 : Phabba_227
- Track 9 : Myrna_217
- Track 10 : Pupper_165, SCentae_164, CherryTomatoes_166
- Track 11 : Skog_225

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

The start number called the most often in the published annotations is 9, it was called in 179 of the 185 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ablatia_225, Ading_228, Adlitam_226, Alice_213, Amataga_227, ArcherS7_227, Asterius_228, Astraea_220, Atlantean_226, Audrick_228, Ava3_225, Babyland_229, BackyardAgain_223, BadAgartude_220, BananaFence_223, Bangla1971_227, Basquiat_223, BeanWater_219, Belieber_219, Bezza_215, BigCity_235, Bigswole_231, Bipolarisk_224, Blackbrain_224, Blackdragon_221, Blubba_216, BobaPhatt_218, Bonray_228, Bowman_224, Bread_221, Breeniome_225, Burrough_228, Bxz1_215, Cactojaque_222, Cali_219, Cane17_218, Capablanca_231, Caravan_217, Catera_218, Charge21_223, CharlieB_220, ChaylaJr_225, ChickenPhender_222, Chomp_227, CindyLou_227, Cleatunium_219, Colt_218, Concombre_231, DTDevon_229, Daffodil_231, Dandelion_234, Darko_225, DeejaClivia_215, Delilah_224, Delylah_228, Demodog_232, Derek_224, Dessert_224, Dietrick_215, DirtMonster_219, Domi_220, DrPhinkDaddy_223, Drazdys_225, Duckfeet_220, ET08_214, EasyJones_229, EgglyFarm_235, EmToTheThree_226, EmmaElysia_231, Erdmann_227, ErnieJ_219, Essence_224, Ewok_225, Fixie_226, Flabslab_222, Fludd_226, Fongie_227, FoxtrotP1_224, FrayBell_229, FudgeTart_221, Gabriel_229, Gangam_227, Ghost_227, Gizmo_232, GlutenPhree_227, Grasshills_234, Grungle_210, Guwapp_222, Halldule_219, HyRo_213, I3_236, IkeLoa_219, InigoMontoya_229, InterFolia_229, Iota_221, Issimir_219, Izajani_224, JPickles_223, Janiyra_229, JayJay_229, Jaygup_223, Jedediah_227, Jemmno_226, Jessibeth14_226, Jezreel_223, JigglyPuff_233, JulietS_217, JustHall_220, Kamryn_225, Kboogie_230, Khaleesi_225, Koguma_225, LRRHood_219, Labradorite_224, Latch_226, Lee7_226, Lethe_226, LifeSavor_226, LinStu_225, Littleton_229, Loanshark_223, LolaVinca_224, LookingGlass_225, LordLeafolot_227, Lukilu_217, Lunareta_225, Maby2021_226, Mangeria_227, Matsumoto_224, McGee_226, McWolfish_223, Megamind_223, Melpomini_221, MikeLiesIn_228, Mikro_222, MoMoMixon_224, Moby_222, Moiqah_222, Momo_227, Montpel_225, Morizzled23_223, Naija_227, Napoleon13_223, Nappy_228, Naval22_231, NedWong_225, Ngannou_223, Nidhogg_227, NoodleTree_232, Norm_226, NuevoMundo_229, OrediggerDelux_222, ParkTD_225, Patter_228, PharkleMinkus_228, Phlegm_230, Phox_227, Phusco_225, Pier_227,

Pinkcreek_210, Pio_234, Pivoine_227, Pleione_230, Primadonna_221, Pupusa_230, PurduePete_226, QBert_218, Quasimodo_229, Rabinovich_219, Rahel_228, Rizal_218, RoMag_221, Rocha_223, Ronan_222, Roots515_228, SVoro_223, Salacia_228, Sauce_223, ScoobyDoobyDoo_215, ScottMcG_220, Sebata_229, Shaqnato_217, Shelob_227, ShiaLabeouf_224, Shifa_204, Shnicks_225, Shrimp_228, SilverDipper_230, SmallFry_227, Spec_221, Specks_230, Sprinklers_224, Spud_220, SrishMeg2525_223, StephanieG_222, StubbySaigey_231, Stubby_210, Substance289_223, Tainan_227, Teardrop_224, TinyTim_224, Tonenili_248, Tortoise16_224, Trinitium_222, Turret_219, Tyke_225, ValleyTerrace_227, Vortrix_246, Wally_224, Willis_227, Yassified_223, YemiJoy2021_227, YoungMoneyMata_226, Yucca_226, Zalkecks_225, Zeenon_228, ZygoTaiga_223,

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

-

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

- CherryTomatoes_166, Greely_223, Myrna_217, Phabba_227, Pupper_165, SCentae_164, Skog_225,

Summary by start number:

Start 9:

- Found in 217 of 224 (96.9%) of genes in pham
- Manual Annotations of this start: 179 of 185
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ablatia_225 (C1), Ading_228 (C1), Adlitam_226 (C1), Alice_213 (C1), Amataga_227 (C1), ArcherS7_227 (C1), Asterius_228 (C1), Astraea_220 (C1), Atlantean_226 (C1), Audrick_228 (C1), Ava3_225 (C1), Babyland_229 (C1), BackyardAgain_223 (C1), BadAgartude_220 (C1), BananaFence_223 (C1), Bangla1971_227 (C1), Basquiat_223 (C1), BeanWater_219 (C1), Belieber_219 (C1), Bezza_215 (C1), BigCity_235 (C1), Bigswole_231 (C1), Bipolarisk_224 (C1), Blackbrain_224 (C1), Blackdragon_221 (C1), Blubba_216 (C1), BobaPhatt_218 (C1), Bonray_228 (C1), Bowman_224 (C1), Bread_221 (C1), Breeniome_225 (C1), Burrough_228 (C1), Bxz1_215 (C1), Cactojaque_222 (C1), Cali_219 (C1), Cane17_218 (C1), Capablanca_231 (C1), Caravan_217 (C1), Catera_218 (C1), Chargie21_223 (C1), CharlieB_220 (C1), ChaylaJr_225 (C1), ChickenPhender_222 (C1), Chomp_227 (C1), CindyLou_227 (C1), Cleatunium_219 (C1), Colt_218 (C1), Concombre_231 (C1), DTDevon_229 (C1), Daffodil_231 (C1), Dandelion_234 (C1), Darko_225 (C1), DeejaClivia_215 (C1), Delilah_224 (C1), Delylah_228 (C1), Demodog_232 (C1), Derek_224 (C1), Dessert_224 (C1), Dietrick_215 (C1), DirtMonster_219 (C1), Domi_220 (C1), DrPhinkDaddy_223 (C1), Drazdys_225 (C1), Duckfeet_220 (C1), ET08_214 (C1), EasyJones_229 (C1), EgggyFarm_235 (C1), EmToTheThree_226 (C1), EmmaElysia_231 (C1), Erdmann_227 (C1), ErnieJ_219 (C1), Essence_224 (C1), Ewok_225 (C1), Fixie_226 (C1), Flabslab_222 (C1), Fludd_226 (C1), Fongie_227 (C1), FoxtrotP1_224 (C1), FrayBell_229 (C1), FudgeTart_221 (C1), Gabriel_229 (C1), Gangam_227 (C1), Ghost_227 (C1), Gizmo_232 (C1), GlutenPhree_227 (C1), Grasshills_234 (C1), Grungle_210 (C1), Guwapp_222 (C1), Halldule_219 (C1), HyRo_213 (C1), I3_236 (C1), IkeLoa_219 (C1), InigoMontoya_229 (C1), InterFolia_229 (C1), Iota_221 (C1), Issimir_219 (C1), Izajani_224 (C1), JPickles_223 (C1), Janiyr_229 (C1), JayJay_229 (C1), Jaygup_223 (C1), Jedediah_227 (C1), Jemmno_226 (C1), Jessibeth14_226 (C1), Jezree_223 (C1), JigglyPuff_233 (C1),

JulietS_217 (C1), JustHall_220 (C1), Kamryn_225 (C1), Kboogie_230 (C1),
 Khaleesi_225 (C1), Koguma_225 (C1), LRRHood_219 (C1), Labradorite_224 (C1),
 Latch_226 (C1), Lee7_226 (C1), Lethe_226 (C1), LifeSavor_226 (C1), LinStu_225
 (C1), Littleton_229 (C1), Loanshark_223 (C1), LolaVinca_224 (C1),
 LookingGlass_225 (C1), LordLeafot_227 (C1), Lukilu_217 (C1), Lunareta_225 (C1),
 Maby2021_226 (C1), Mangeria_227 (C1), Matsumoto_224 (C1), McGee_226 (C1),
 McWolfish_223 (C1), Megamind_223 (C1), Melpomini_221 (C1), MikeLiesIn_228
 (C1), Mikro_222 (C1), MoMoMixon_224 (C1), Moby_222 (C1), Moiqah_222 (C1),
 Momo_227 (C1), Montpel_225 (C1), Morizzled23_223 (C1), Naija_227 (C1),
 Napoleon13_223 (C1), Nappy_228 (C1), Naval22_231 (C1), NedWong_225 (C1),
 Ngannou_223 (C1), Nidhogg_227 (C1), NoodleTree_232 (C1), Norm_226 (C1),
 NuevoMundo_229 (C1), OrediggerDelux_222 (C1), ParkTD_225 (C1), Patter_228
 (C1), PharkleMinkus_228 (C1), Phlegm_230 (C1), Phox_227 (C1), Phusco_225 (C1),
 Pier_227 (C1), Pinkcreek_210 (C1), Pio_234 (C1), Pivoine_227 (C1), Pleione_230
 (C1), Primadonna_221 (C1), Pupusa_230 (C1), PurduePete_226 (C1), QBert_218
 (C1), Quasimodo_229 (C1), Rabinovish_219 (C1), Rahel_228 (C1), Rizal_218 (C1),
 RoMag_221 (C1), Rocha_223 (C1), Ronan_222 (C1), Roots515_228 (C1),
 SVoro_223 (C1), Salacia_228 (C1), Sauce_223 (C1), ScoobyDoobyDoo_215 (C2),
 ScottMcG_220 (C1), Sebata_229 (C1), Shaqnato_217 (C1), Shelob_227 (C1),
 ShiaLabeouf_224 (C1), Shifa_204 (C1), Shnickers_225 (C1), Shrimp_228 (C1),
 SilverDipper_230 (C1), SmallFry_227 (C1), Spec_221 (C1), Specks_230 (C1),
 Sprinklers_224 (C1), Spud_220 (C1), SrishMeg2525_223 (C1), StephanieG_222
 (C1), StubbySaigey_231 (C1), Stubby_210 (C1), Substance289_223 (C1),
 Tainan_227 (C1), Teardrop_224 (C1), TinyTim_224 (C1), Tonenili_248 (C1),
 Tortoise16_224 (C1), Trinitium_222 (C1), Turret_219 (C1), Tyke_225 (C1),
 ValleyTerrace_227 (C1), Vortrix_246 (C1), Wally_224 (C1), Willis_227 (C1),
 Yassified_223 (C1), YemiJoy2021_227 (C1), YoungMoneyMata_226 (C1),
 Yucca_226 (C1), Zalkecks_225 (C1), Zeenon_228 (C1), ZygoTaiga_223 (C1),

Start 10:

- Found in 1 of 224 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 185
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Myrna_217 (C2),

Start 11:

- Found in 2 of 224 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 185
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Greely_223 (C2), Phabba_227 (C2),

Start 14:

- Found in 4 of 224 (1.8%) of genes in pham
- Manual Annotations of this start: 4 of 185
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_166 (DO), Pupper_165 (DO), SCentae_164 (DO), Skog_225 (DO),

Summary by clusters:

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

Info for manual annotations of cluster C1:

- Start number 9 was manually annotated 178 times for cluster C1.

Info for manual annotations of cluster C2:

- Start number 9 was manually annotated 1 time for cluster C2.
- Start number 10 was manually annotated 1 time for cluster C2.
- Start number 11 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster DO:

- Start number 14 was manually annotated 4 times for cluster DO.

Gene Information:

Gene: Ablatia_225 Start: 125838, Stop: 126281, Start Num: 9

Candidate Starts for Ablatia_225:

(Start: 9 @125838 has 179 MA's), (17, 126009), (20, 126042), (27, 126147), (35, 126264),

Gene: Ading_228 Start: 128271, Stop: 128714, Start Num: 9

Candidate Starts for Ading_228:

(Start: 9 @128271 has 179 MA's), (17, 128442), (20, 128475), (27, 128580), (35, 128697),

Gene: Adlitam_226 Start: 126875, Stop: 127318, Start Num: 9

Candidate Starts for Adlitam_226:

(Start: 9 @126875 has 179 MA's), (17, 127046), (20, 127079), (27, 127184), (35, 127301),

Gene: Alice_213 Start: 125065, Stop: 125508, Start Num: 9

Candidate Starts for Alice_213:

(Start: 9 @125065 has 179 MA's), (17, 125236), (20, 125269), (27, 125374), (35, 125491),

Gene: Amataga_227 Start: 125874, Stop: 126317, Start Num: 9

Candidate Starts for Amataga_227:

(Start: 9 @125874 has 179 MA's), (17, 126045), (20, 126078), (27, 126183), (35, 126300),

Gene: ArcherS7_227 Start: 127619, Stop: 128062, Start Num: 9

Candidate Starts for ArcherS7_227:

(Start: 9 @127619 has 179 MA's), (17, 127790), (20, 127823), (27, 127928), (35, 128045),

Gene: Asterius_228 Start: 126283, Stop: 126726, Start Num: 9

Candidate Starts for Asterius_228:

(Start: 9 @126283 has 179 MA's), (17, 126454), (20, 126487), (27, 126592), (35, 126709),

Gene: Astraea_220 Start: 125478, Stop: 125921, Start Num: 9

Candidate Starts for Astraea_220:

(Start: 9 @125478 has 179 MA's), (17, 125649), (20, 125682), (27, 125787), (35, 125904),

Gene: Atlantean_226 Start: 125874, Stop: 126317, Start Num: 9

Candidate Starts for Atlantean_226:

(Start: 9 @125874 has 179 MA's), (17, 126045), (20, 126078), (27, 126183), (35, 126300),

Gene: Audrick_228 Start: 125764, Stop: 126207, Start Num: 9

Candidate Starts for Audrick_228:

(Start: 9 @125764 has 179 MA's), (17, 125935), (20, 125968), (27, 126073), (35, 126190),

Gene: Ava3_225 Start: 126333, Stop: 126776, Start Num: 9

Candidate Starts for Ava3_225:

(Start: 9 @126333 has 179 MA's), (17, 126504), (20, 126537), (27, 126642), (35, 126759),

Gene: Babyland_229 Start: 126651, Stop: 127094, Start Num: 9

Candidate Starts for Babyland_229:

(Start: 9 @126651 has 179 MA's), (17, 126822), (20, 126855), (27, 126960), (35, 127077),

Gene: BackyardAgain_223 Start: 124025, Stop: 124468, Start Num: 9

Candidate Starts for BackyardAgain_223:

(Start: 9 @124025 has 179 MA's), (17, 124196), (20, 124229), (27, 124334), (35, 124451),

Gene: BadAgartude_220 Start: 125964, Stop: 126407, Start Num: 9

Candidate Starts for BadAgartude_220:

(Start: 9 @125964 has 179 MA's), (17, 126135), (20, 126168), (27, 126273), (35, 126390),

Gene: BananaFence_223 Start: 126107, Stop: 126550, Start Num: 9

Candidate Starts for BananaFence_223:

(Start: 9 @126107 has 179 MA's), (17, 126278), (20, 126311), (27, 126416), (35, 126533),

Gene: Bangla1971_227 Start: 126583, Stop: 127026, Start Num: 9

Candidate Starts for Bangla1971_227:

(Start: 9 @126583 has 179 MA's), (17, 126754), (20, 126787), (27, 126892), (35, 127009),

Gene: Basquiat_223 Start: 124393, Stop: 124836, Start Num: 9

Candidate Starts for Basquiat_223:

(Start: 9 @124393 has 179 MA's), (17, 124564), (20, 124597), (27, 124702), (35, 124819),

Gene: BeanWater_219 Start: 125720, Stop: 126163, Start Num: 9

Candidate Starts for BeanWater_219:

(Start: 9 @125720 has 179 MA's), (17, 125891), (20, 125924), (27, 126029), (35, 126146),

Gene: Belieber_219 Start: 124520, Stop: 124963, Start Num: 9

Candidate Starts for Belieber_219:

(Start: 9 @124520 has 179 MA's), (17, 124691), (20, 124724), (27, 124829), (35, 124946),

Gene: Bezza_215 Start: 125419, Stop: 125862, Start Num: 9

Candidate Starts for Bezza_215:

(Start: 9 @125419 has 179 MA's), (17, 125590), (20, 125623), (27, 125728), (35, 125845),

Gene: BigCity_235 Start: 128479, Stop: 128922, Start Num: 9

Candidate Starts for BigCity_235:

(Start: 9 @128479 has 179 MA's), (17, 128650), (20, 128683), (27, 128788), (35, 128905),

Gene: Bigswole_231 Start: 128442, Stop: 128885, Start Num: 9

Candidate Starts for Bigswole_231:

(Start: 9 @128442 has 179 MA's), (17, 128613), (20, 128646), (27, 128751), (35, 128868),

Gene: Bipolarisk_224 Start: 126602, Stop: 127045, Start Num: 9

Candidate Starts for Bipolarisk_224:

(Start: 9 @126602 has 179 MA's), (17, 126773), (20, 126806), (27, 126911), (35, 127028),

Gene: Blackbrain_224 Start: 126170, Stop: 126613, Start Num: 9
Candidate Starts for Blackbrain_224:
(Start: 9 @126170 has 179 MA's), (17, 126341), (20, 126374), (27, 126479), (35, 126596),

Gene: Blackdragon_221 Start: 126195, Stop: 126638, Start Num: 9
Candidate Starts for Blackdragon_221:
(Start: 9 @126195 has 179 MA's), (17, 126366), (20, 126399), (27, 126504), (35, 126621),

Gene: Blubba_216 Start: 129746, Stop: 130189, Start Num: 9
Candidate Starts for Blubba_216:
(Start: 9 @129746 has 179 MA's), (17, 129917), (20, 129950), (27, 130055), (35, 130172),

Gene: BobaPhatt_218 Start: 125288, Stop: 125731, Start Num: 9
Candidate Starts for BobaPhatt_218:
(Start: 9 @125288 has 179 MA's), (17, 125459), (20, 125492), (27, 125597), (35, 125714),

Gene: Bonray_228 Start: 127970, Stop: 128413, Start Num: 9
Candidate Starts for Bonray_228:
(Start: 9 @127970 has 179 MA's), (17, 128141), (20, 128174), (27, 128279), (35, 128396),

Gene: Bowman_224 Start: 127085, Stop: 127528, Start Num: 9
Candidate Starts for Bowman_224:
(Start: 9 @127085 has 179 MA's), (17, 127256), (20, 127289), (27, 127394), (35, 127511),

Gene: Bread_221 Start: 125977, Stop: 126420, Start Num: 9
Candidate Starts for Bread_221:
(Start: 9 @125977 has 179 MA's), (17, 126148), (20, 126181), (27, 126286), (35, 126403),

Gene: Breeniome_225 Start: 125431, Stop: 125874, Start Num: 9
Candidate Starts for Breeniome_225:
(Start: 9 @125431 has 179 MA's), (17, 125602), (20, 125635), (27, 125740), (35, 125857),

Gene: Burrough_228 Start: 127747, Stop: 128190, Start Num: 9
Candidate Starts for Burrough_228:
(Start: 9 @127747 has 179 MA's), (17, 127918), (20, 127951), (27, 128056), (35, 128173),

Gene: Bxz1_215 Start: 127953, Stop: 128396, Start Num: 9
Candidate Starts for Bxz1_215:
(Start: 9 @127953 has 179 MA's), (17, 128124), (20, 128157), (27, 128262), (35, 128379),

Gene: Cactojaque_222 Start: 125116, Stop: 125559, Start Num: 9
Candidate Starts for Cactojaque_222:
(Start: 9 @125116 has 179 MA's), (17, 125287), (20, 125320), (27, 125425), (35, 125542),

Gene: Cali_219 Start: 126345, Stop: 126788, Start Num: 9
Candidate Starts for Cali_219:
(Start: 9 @126345 has 179 MA's), (17, 126516), (20, 126549), (27, 126654), (35, 126771),

Gene: Cane17_218 Start: 130155, Stop: 130598, Start Num: 9
Candidate Starts for Cane17_218:
(Start: 9 @130155 has 179 MA's), (17, 130326), (20, 130359), (27, 130464), (35, 130581),

Gene: Capablanca_231 Start: 128599, Stop: 129042, Start Num: 9

Candidate Starts for Capablanca_231:

(Start: 9 @128599 has 179 MA's), (17, 128770), (20, 128803), (27, 128908), (35, 129025),

Gene: Caravan_217 Start: 126685, Stop: 127128, Start Num: 9

Candidate Starts for Caravan_217:

(Start: 9 @126685 has 179 MA's), (17, 126856), (20, 126889), (27, 126994), (35, 127111),

Gene: Catera_218 Start: 125087, Stop: 125530, Start Num: 9

Candidate Starts for Catera_218:

(Start: 9 @125087 has 179 MA's), (17, 125258), (20, 125291), (27, 125396), (35, 125513),

Gene: Chargie21_223 Start: 124393, Stop: 124836, Start Num: 9

Candidate Starts for Chargie21_223:

(Start: 9 @124393 has 179 MA's), (17, 124564), (20, 124597), (27, 124702), (35, 124819),

Gene: CharlieB_220 Start: 126099, Stop: 126542, Start Num: 9

Candidate Starts for CharlieB_220:

(Start: 9 @126099 has 179 MA's), (17, 126270), (20, 126303), (27, 126408), (35, 126525),

Gene: ChaylaJr_225 Start: 125784, Stop: 126227, Start Num: 9

Candidate Starts for ChaylaJr_225:

(Start: 9 @125784 has 179 MA's), (17, 125955), (20, 125988), (27, 126093), (35, 126210),

Gene: CherryTomatoes_166 Start: 117404, Stop: 117775, Start Num: 14

Candidate Starts for CherryTomatoes_166:

(Start: 14 @117404 has 4 MA's), (15, 117440), (24, 117554), (26, 117578),

Gene: ChickenPhender_222 Start: 124540, Stop: 124983, Start Num: 9

Candidate Starts for ChickenPhender_222:

(Start: 9 @124540 has 179 MA's), (17, 124711), (20, 124744), (27, 124849), (35, 124966),

Gene: Chomp_227 Start: 127976, Stop: 128419, Start Num: 9

Candidate Starts for Chomp_227:

(Start: 9 @127976 has 179 MA's), (17, 128147), (20, 128180), (27, 128285), (35, 128402),

Gene: CindyLou_227 Start: 128236, Stop: 128679, Start Num: 9

Candidate Starts for CindyLou_227:

(Start: 9 @128236 has 179 MA's), (17, 128407), (20, 128440), (27, 128545), (35, 128662),

Gene: Cleatunium_219 Start: 125797, Stop: 126240, Start Num: 9

Candidate Starts for Cleatunium_219:

(Start: 9 @125797 has 179 MA's), (17, 125968), (20, 126001), (27, 126106), (35, 126223),

Gene: Colt_218 Start: 129386, Stop: 129829, Start Num: 9

Candidate Starts for Colt_218:

(Start: 9 @129386 has 179 MA's), (17, 129557), (20, 129590), (27, 129695), (35, 129812),

Gene: Concombre_231 Start: 128130, Stop: 128573, Start Num: 9

Candidate Starts for Concombre_231:

(Start: 9 @128130 has 179 MA's), (17, 128301), (20, 128334), (27, 128439), (35, 128556),

Gene: DTDevon_229 Start: 128615, Stop: 129058, Start Num: 9

Candidate Starts for DTDevon_229:

(Start: 9 @128615 has 179 MA's), (17, 128786), (20, 128819), (27, 128924), (35, 129041),

Gene: Daffodil_231 Start: 126902, Stop: 127345, Start Num: 9

Candidate Starts for Daffodil_231:

(Start: 9 @126902 has 179 MA's), (17, 127073), (20, 127106), (27, 127211), (35, 127328),

Gene: Dandelion_234 Start: 129505, Stop: 129948, Start Num: 9

Candidate Starts for Dandelion_234:

(Start: 9 @129505 has 179 MA's), (17, 129676), (20, 129709), (27, 129814), (35, 129931),

Gene: Darko_225 Start: 126111, Stop: 126554, Start Num: 9

Candidate Starts for Darko_225:

(Start: 9 @126111 has 179 MA's), (17, 126282), (20, 126315), (27, 126420), (35, 126537),

Gene: DeejaClivia_215 Start: 124948, Stop: 125391, Start Num: 9

Candidate Starts for DeejaClivia_215:

(Start: 9 @124948 has 179 MA's), (17, 125119), (20, 125152), (27, 125257), (35, 125374),

Gene: Delilah_224 Start: 126995, Stop: 127438, Start Num: 9

Candidate Starts for Delilah_224:

(Start: 9 @126995 has 179 MA's), (17, 127166), (20, 127199), (27, 127304), (35, 127421),

Gene: Delylah_228 Start: 127309, Stop: 127752, Start Num: 9

Candidate Starts for Delylah_228:

(Start: 9 @127309 has 179 MA's), (17, 127480), (20, 127513), (27, 127618), (35, 127735),

Gene: Demodog_232 Start: 128140, Stop: 128583, Start Num: 9

Candidate Starts for Demodog_232:

(Start: 9 @128140 has 179 MA's), (17, 128311), (20, 128344), (27, 128449), (35, 128566),

Gene: Derek_224 Start: 127253, Stop: 127696, Start Num: 9

Candidate Starts for Derek_224:

(Start: 9 @127253 has 179 MA's), (17, 127424), (20, 127457), (27, 127562), (35, 127679),

Gene: Dessert_224 Start: 126252, Stop: 126695, Start Num: 9

Candidate Starts for Dessert_224:

(Start: 9 @126252 has 179 MA's), (17, 126423), (20, 126456), (27, 126561), (35, 126678),

Gene: Dietrick_215 Start: 125116, Stop: 125559, Start Num: 9

Candidate Starts for Dietrick_215:

(Start: 9 @125116 has 179 MA's), (17, 125287), (20, 125320), (27, 125425), (35, 125542),

Gene: DirtMonster_219 Start: 126454, Stop: 126897, Start Num: 9

Candidate Starts for DirtMonster_219:

(Start: 9 @126454 has 179 MA's), (17, 126625), (20, 126658), (27, 126763), (35, 126880),

Gene: Domi_220 Start: 126455, Stop: 126898, Start Num: 9

Candidate Starts for Domi_220:

(Start: 9 @126455 has 179 MA's), (17, 126626), (20, 126659), (27, 126764), (35, 126881),

Gene: DrPhinkDaddy_223 Start: 127680, Stop: 128123, Start Num: 9

Candidate Starts for DrPhinkDaddy_223:

(Start: 9 @127680 has 179 MA's), (17, 127851), (20, 127884), (27, 127989), (35, 128106),

Gene: Drazdys_225 Start: 127260, Stop: 127703, Start Num: 9

Candidate Starts for Drazdys_225:

(Start: 9 @127260 has 179 MA's), (17, 127431), (20, 127464), (27, 127569), (35, 127686),

Gene: Duckfeet_220 Start: 126068, Stop: 126511, Start Num: 9

Candidate Starts for Duckfeet_220:

(Start: 9 @126068 has 179 MA's), (17, 126239), (20, 126272), (27, 126377), (35, 126494),

Gene: ET08_214 Start: 126170, Stop: 126613, Start Num: 9

Candidate Starts for ET08_214:

(Start: 9 @126170 has 179 MA's), (17, 126341), (20, 126374), (27, 126479), (29, 126503), (35, 126596),

Gene: EasyJones_229 Start: 125636, Stop: 126079, Start Num: 9

Candidate Starts for EasyJones_229:

(Start: 9 @125636 has 179 MA's), (17, 125807), (20, 125840), (27, 125945), (35, 126062),

Gene: EggyFarm_235 Start: 128480, Stop: 128923, Start Num: 9

Candidate Starts for EggyFarm_235:

(Start: 9 @128480 has 179 MA's), (17, 128651), (20, 128684), (27, 128789), (35, 128906),

Gene: EmToTheThree_226 Start: 127019, Stop: 127462, Start Num: 9

Candidate Starts for EmToTheThree_226:

(Start: 9 @127019 has 179 MA's), (17, 127190), (20, 127223), (27, 127328), (35, 127445),

Gene: EmmaElysia_231 Start: 128131, Stop: 128574, Start Num: 9

Candidate Starts for EmmaElysia_231:

(Start: 9 @128131 has 179 MA's), (17, 128302), (20, 128335), (27, 128440), (35, 128557),

Gene: Erdmann_227 Start: 126987, Stop: 127430, Start Num: 9

Candidate Starts for Erdmann_227:

(Start: 9 @126987 has 179 MA's), (17, 127158), (20, 127191), (27, 127296), (35, 127413),

Gene: ErnieJ_219 Start: 123815, Stop: 124258, Start Num: 9

Candidate Starts for ErnieJ_219:

(Start: 9 @123815 has 179 MA's), (17, 123986), (20, 124019), (27, 124124), (35, 124241),

Gene: Essence_224 Start: 126472, Stop: 126915, Start Num: 9

Candidate Starts for Essence_224:

(Start: 9 @126472 has 179 MA's), (17, 126643), (20, 126676), (27, 126781), (35, 126898),

Gene: Ewok_225 Start: 126930, Stop: 127373, Start Num: 9

Candidate Starts for Ewok_225:

(Start: 9 @126930 has 179 MA's), (17, 127101), (20, 127134), (27, 127239), (35, 127356),

Gene: Fixie_226 Start: 127252, Stop: 127695, Start Num: 9

Candidate Starts for Fixie_226:

(Start: 9 @127252 has 179 MA's), (17, 127423), (20, 127456), (27, 127561), (35, 127678),

Gene: Flabslab_222 Start: 124146, Stop: 124589, Start Num: 9

Candidate Starts for Flabslab_222:

(Start: 9 @124146 has 179 MA's), (17, 124317), (20, 124350), (27, 124455), (35, 124572),

Gene: Fludd_226 Start: 125348, Stop: 125791, Start Num: 9

Candidate Starts for Fludd_226:

(Start: 9 @125348 has 179 MA's), (17, 125519), (20, 125552), (27, 125657), (35, 125774),

Gene: Fongie_227 Start: 126928, Stop: 127371, Start Num: 9

Candidate Starts for Fongie_227:

(Start: 9 @126928 has 179 MA's), (17, 127099), (20, 127132), (27, 127237), (35, 127354),

Gene: FoxtrotP1_224 Start: 127573, Stop: 128016, Start Num: 9

Candidate Starts for FoxtrotP1_224:

(Start: 9 @127573 has 179 MA's), (17, 127744), (20, 127777), (27, 127882), (35, 127999),

Gene: FrayBell_229 Start: 125536, Stop: 125979, Start Num: 9

Candidate Starts for FrayBell_229:

(Start: 9 @125536 has 179 MA's), (17, 125707), (20, 125740), (27, 125845), (35, 125962),

Gene: FudgeTart_221 Start: 126077, Stop: 126520, Start Num: 9

Candidate Starts for FudgeTart_221:

(Start: 9 @126077 has 179 MA's), (17, 126248), (20, 126281), (27, 126386), (35, 126503),

Gene: Gabriel_229 Start: 125507, Stop: 125950, Start Num: 9

Candidate Starts for Gabriel_229:

(Start: 9 @125507 has 179 MA's), (17, 125678), (20, 125711), (27, 125816), (35, 125933),

Gene: Gamgam_227 Start: 125864, Stop: 126307, Start Num: 9

Candidate Starts for Gamgam_227:

(Start: 9 @125864 has 179 MA's), (17, 126035), (20, 126068), (27, 126173), (35, 126290),

Gene: Ghost_227 Start: 126488, Stop: 126931, Start Num: 9

Candidate Starts for Ghost_227:

(Start: 9 @126488 has 179 MA's), (17, 126659), (20, 126692), (27, 126797), (35, 126914),

Gene: Gizmo_232 Start: 128903, Stop: 129346, Start Num: 9

Candidate Starts for Gizmo_232:

(Start: 9 @128903 has 179 MA's), (17, 129074), (20, 129107), (27, 129212), (35, 129329),

Gene: GlutenPhree_227 Start: 125875, Stop: 126318, Start Num: 9

Candidate Starts for GlutenPhree_227:

(Start: 9 @125875 has 179 MA's), (17, 126046), (20, 126079), (27, 126184), (35, 126301),

Gene: Grasshills_234 Start: 128479, Stop: 128922, Start Num: 9

Candidate Starts for Grasshills_234:

(Start: 9 @128479 has 179 MA's), (17, 128650), (20, 128683), (27, 128788), (35, 128905),

Gene: Greely_223 Start: 125464, Stop: 125937, Start Num: 11

Candidate Starts for Greely_223:

(2, 125293), (3, 125320), (5, 125377), (Start: 11 @125464 has 1 MA's), (12, 125527), (20, 125656), (23, 125698), (25, 125722), (26, 125737), (27, 125770), (32, 125893), (34, 125911),

Gene: Grungle_210 Start: 123810, Stop: 124253, Start Num: 9

Candidate Starts for Grungle_210:

(Start: 9 @123810 has 179 MA's), (17, 123981), (20, 124014), (27, 124119), (35, 124236),

Gene: Guwapp_222 Start: 125322, Stop: 125765, Start Num: 9

Candidate Starts for Guwapp_222:

(Start: 9 @125322 has 179 MA's), (17, 125493), (20, 125526), (27, 125631), (35, 125748),

Gene: Halldule_219 Start: 124992, Stop: 125435, Start Num: 9

Candidate Starts for Halldule_219:

(Start: 9 @124992 has 179 MA's), (17, 125163), (20, 125196), (27, 125301), (35, 125418),

Gene: HyRo_213 Start: 125830, Stop: 126273, Start Num: 9

Candidate Starts for HyRo_213:

(Start: 9 @125830 has 179 MA's), (17, 126001), (20, 126034), (27, 126139), (35, 126256),

Gene: I3_236 Start: 127678, Stop: 128121, Start Num: 9

Candidate Starts for I3_236:

(Start: 9 @127678 has 179 MA's), (17, 127849), (20, 127882), (27, 127987), (35, 128104),

Gene: IkeLoa_219 Start: 126220, Stop: 126663, Start Num: 9

Candidate Starts for IkeLoa_219:

(Start: 9 @126220 has 179 MA's), (17, 126391), (20, 126424), (27, 126529), (35, 126646),

Gene: InigoMontoya_229 Start: 126538, Stop: 126981, Start Num: 9

Candidate Starts for InigoMontoya_229:

(Start: 9 @126538 has 179 MA's), (17, 126709), (20, 126742), (27, 126847), (35, 126964),

Gene: InterFolia_229 Start: 127341, Stop: 127784, Start Num: 9

Candidate Starts for InterFolia_229:

(Start: 9 @127341 has 179 MA's), (17, 127512), (20, 127545), (27, 127650), (35, 127767),

Gene: Iota_221 Start: 126248, Stop: 126691, Start Num: 9

Candidate Starts for Iota_221:

(Start: 9 @126248 has 179 MA's), (17, 126419), (20, 126452), (27, 126557), (35, 126674),

Gene: Issimir_219 Start: 126176, Stop: 126619, Start Num: 9

Candidate Starts for Issimir_219:

(Start: 9 @126176 has 179 MA's), (17, 126347), (20, 126380), (27, 126485), (35, 126602),

Gene: Izajani_224 Start: 127070, Stop: 127513, Start Num: 9

Candidate Starts for Izajani_224:

(Start: 9 @127070 has 179 MA's), (17, 127241), (20, 127274), (27, 127379), (35, 127496),

Gene: JPickles_223 Start: 125226, Stop: 125669, Start Num: 9

Candidate Starts for JPickles_223:

(Start: 9 @125226 has 179 MA's), (17, 125397), (20, 125430), (27, 125535), (35, 125652),

Gene: Janiyra_229 Start: 126763, Stop: 127206, Start Num: 9

Candidate Starts for Janiyra_229:

(Start: 9 @126763 has 179 MA's), (17, 126934), (20, 126967), (27, 127072), (35, 127189),

Gene: JayJay_229 Start: 126653, Stop: 127096, Start Num: 9

Candidate Starts for JayJay_229:

(Start: 9 @126653 has 179 MA's), (17, 126824), (20, 126857), (27, 126962), (35, 127079),

Gene: Jaygup_223 Start: 126397, Stop: 126840, Start Num: 9
Candidate Starts for Jaygup_223:
(Start: 9 @126397 has 179 MA's), (17, 126568), (20, 126601), (27, 126706), (35, 126823),

Gene: Jedediah_227 Start: 127450, Stop: 127893, Start Num: 9
Candidate Starts for Jedediah_227:
(Start: 9 @127450 has 179 MA's), (17, 127621), (20, 127654), (27, 127759), (35, 127876),

Gene: Jemmno_226 Start: 126169, Stop: 126612, Start Num: 9
Candidate Starts for Jemmno_226:
(Start: 9 @126169 has 179 MA's), (17, 126340), (20, 126373), (27, 126478), (35, 126595),

Gene: Jessibeth14_226 Start: 127645, Stop: 128088, Start Num: 9
Candidate Starts for Jessibeth14_226:
(Start: 9 @127645 has 179 MA's), (17, 127816), (20, 127849), (27, 127954), (35, 128071),

Gene: Jezreel_223 Start: 126713, Stop: 127156, Start Num: 9
Candidate Starts for Jezreel_223:
(Start: 9 @126713 has 179 MA's), (17, 126884), (20, 126917), (27, 127022), (35, 127139),

Gene: JigglyPuff_233 Start: 128139, Stop: 128582, Start Num: 9
Candidate Starts for JigglyPuff_233:
(Start: 9 @128139 has 179 MA's), (17, 128310), (20, 128343), (27, 128448), (35, 128565),

Gene: JulietS_217 Start: 123749, Stop: 124192, Start Num: 9
Candidate Starts for JulietS_217:
(Start: 9 @123749 has 179 MA's), (17, 123920), (20, 123953), (27, 124058), (35, 124175),

Gene: JustHall_220 Start: 125699, Stop: 126142, Start Num: 9
Candidate Starts for JustHall_220:
(Start: 9 @125699 has 179 MA's), (17, 125870), (20, 125903), (27, 126008), (35, 126125),

Gene: Kamryn_225 Start: 127289, Stop: 127732, Start Num: 9
Candidate Starts for Kamryn_225:
(Start: 9 @127289 has 179 MA's), (17, 127460), (20, 127493), (27, 127598), (35, 127715),

Gene: Kboogie_230 Start: 126328, Stop: 126771, Start Num: 9
Candidate Starts for Kboogie_230:
(Start: 9 @126328 has 179 MA's), (17, 126499), (20, 126532), (27, 126637), (35, 126754),

Gene: Khaleesi_225 Start: 127112, Stop: 127555, Start Num: 9
Candidate Starts for Khaleesi_225:
(Start: 9 @127112 has 179 MA's), (17, 127283), (20, 127316), (27, 127421), (35, 127538),

Gene: Koguma_225 Start: 125969, Stop: 126412, Start Num: 9
Candidate Starts for Koguma_225:
(Start: 9 @125969 has 179 MA's), (17, 126140), (20, 126173), (27, 126278), (35, 126395),

Gene: LRRHood_219 Start: 125321, Stop: 125764, Start Num: 9
Candidate Starts for LRRHood_219:
(Start: 9 @125321 has 179 MA's), (17, 125492), (20, 125525), (27, 125630), (35, 125747),

Gene: Labradorite_224 Start: 125888, Stop: 126331, Start Num: 9

Candidate Starts for Labradorite_224:

(Start: 9 @125888 has 179 MA's), (17, 126059), (20, 126092), (27, 126197), (35, 126314),

Gene: Latch_226 Start: 125874, Stop: 126317, Start Num: 9

Candidate Starts for Latch_226:

(Start: 9 @125874 has 179 MA's), (17, 126045), (20, 126078), (27, 126183), (35, 126300),

Gene: Lee7_226 Start: 128526, Stop: 128969, Start Num: 9

Candidate Starts for Lee7_226:

(Start: 9 @128526 has 179 MA's), (17, 128697), (20, 128730), (27, 128835), (35, 128952),

Gene: Lethe_226 Start: 127765, Stop: 128208, Start Num: 9

Candidate Starts for Lethe_226:

(Start: 9 @127765 has 179 MA's), (17, 127936), (20, 127969), (27, 128074), (35, 128191),

Gene: LifeSavor_226 Start: 127102, Stop: 127545, Start Num: 9

Candidate Starts for LifeSavor_226:

(Start: 9 @127102 has 179 MA's), (17, 127273), (20, 127306), (27, 127411), (35, 127528),

Gene: LinStu_225 Start: 125605, Stop: 126048, Start Num: 9

Candidate Starts for LinStu_225:

(Start: 9 @125605 has 179 MA's), (17, 125776), (20, 125809), (27, 125914), (35, 126031),

Gene: Littleton_229 Start: 127111, Stop: 127554, Start Num: 9

Candidate Starts for Littleton_229:

(Start: 9 @127111 has 179 MA's), (17, 127282), (20, 127315), (27, 127420), (35, 127537),

Gene: Loanshark_223 Start: 126461, Stop: 126904, Start Num: 9

Candidate Starts for Loanshark_223:

(Start: 9 @126461 has 179 MA's), (17, 126632), (20, 126665), (27, 126770), (35, 126887),

Gene: LolaVince_224 Start: 126771, Stop: 127214, Start Num: 9

Candidate Starts for LolaVince_224:

(Start: 9 @126771 has 179 MA's), (17, 126942), (20, 126975), (27, 127080), (35, 127197),

Gene: LookingGlass_225 Start: 126619, Stop: 127062, Start Num: 9

Candidate Starts for LookingGlass_225:

(Start: 9 @126619 has 179 MA's), (17, 126790), (20, 126823), (27, 126928), (35, 127045),

Gene: LordLeafolot_227 Start: 126384, Stop: 126827, Start Num: 9

Candidate Starts for LordLeafolot_227:

(Start: 9 @126384 has 179 MA's), (17, 126555), (20, 126588), (27, 126693), (35, 126810),

Gene: Lukilu_217 Start: 127324, Stop: 127767, Start Num: 9

Candidate Starts for Lukilu_217:

(Start: 9 @127324 has 179 MA's), (17, 127495), (20, 127528), (27, 127633), (35, 127750),

Gene: Lunareta_225 Start: 127673, Stop: 128116, Start Num: 9

Candidate Starts for Lunareta_225:

(Start: 9 @127673 has 179 MA's), (17, 127844), (20, 127877), (27, 127982), (35, 128099),

Gene: Maby2021_226 Start: 127565, Stop: 128008, Start Num: 9

Candidate Starts for Maby2021_226:

(Start: 9 @127565 has 179 MA's), (17, 127736), (20, 127769), (27, 127874), (35, 127991),

Gene: Mangeria_227 Start: 127667, Stop: 128110, Start Num: 9

Candidate Starts for Mangeria_227:

(Start: 9 @127667 has 179 MA's), (17, 127838), (20, 127871), (27, 127976), (35, 128093),

Gene: Matsumoto_224 Start: 126316, Stop: 126759, Start Num: 9

Candidate Starts for Matsumoto_224:

(Start: 9 @126316 has 179 MA's), (17, 126487), (20, 126520), (27, 126625), (35, 126742),

Gene: McGee_226 Start: 126213, Stop: 126656, Start Num: 9

Candidate Starts for McGee_226:

(Start: 9 @126213 has 179 MA's), (17, 126384), (20, 126417), (27, 126522), (35, 126639),

Gene: McWolfish_223 Start: 126323, Stop: 126766, Start Num: 9

Candidate Starts for McWolfish_223:

(Start: 9 @126323 has 179 MA's), (17, 126494), (20, 126527), (27, 126632), (35, 126749),

Gene: Megamind_223 Start: 126648, Stop: 127091, Start Num: 9

Candidate Starts for Megamind_223:

(Start: 9 @126648 has 179 MA's), (17, 126819), (20, 126852), (27, 126957), (35, 127074),

Gene: Melpomini_221 Start: 125408, Stop: 125851, Start Num: 9

Candidate Starts for Melpomini_221:

(Start: 9 @125408 has 179 MA's), (17, 125579), (20, 125612), (27, 125717), (35, 125834),

Gene: MikeLiesIn_228 Start: 127784, Stop: 128227, Start Num: 9

Candidate Starts for MikeLiesIn_228:

(Start: 9 @127784 has 179 MA's), (17, 127955), (20, 127988), (27, 128093), (35, 128210),

Gene: Mikro_222 Start: 128296, Stop: 128739, Start Num: 9

Candidate Starts for Mikro_222:

(Start: 9 @128296 has 179 MA's), (17, 128467), (20, 128500), (27, 128605), (35, 128722),

Gene: MoMoMixon_224 Start: 126789, Stop: 127232, Start Num: 9

Candidate Starts for MoMoMixon_224:

(Start: 9 @126789 has 179 MA's), (17, 126960), (20, 126993), (27, 127098), (35, 127215),

Gene: Moby_222 Start: 125475, Stop: 125918, Start Num: 9

Candidate Starts for Moby_222:

(Start: 9 @125475 has 179 MA's), (17, 125646), (20, 125679), (27, 125784), (35, 125901),

Gene: Moiqah_222 Start: 125452, Stop: 125895, Start Num: 9

Candidate Starts for Moiqah_222:

(Start: 9 @125452 has 179 MA's), (17, 125623), (20, 125656), (27, 125761), (35, 125878),

Gene: Momo_227 Start: 125874, Stop: 126317, Start Num: 9

Candidate Starts for Momo_227:

(Start: 9 @125874 has 179 MA's), (17, 126045), (20, 126078), (27, 126183), (35, 126300),

Gene: Montpel_225 Start: 127671, Stop: 128114, Start Num: 9

Candidate Starts for Montpel_225:

(Start: 9 @127671 has 179 MA's), (17, 127842), (20, 127875), (27, 127980), (35, 128097),

Gene: Morizzled23_223 Start: 125241, Stop: 125684, Start Num: 9

Candidate Starts for Morizzled23_223:

(Start: 9 @125241 has 179 MA's), (17, 125412), (20, 125445), (27, 125550), (35, 125667),

Gene: Myrna_217 Start: 125242, Stop: 125721, Start Num: 10

Candidate Starts for Myrna_217:

(2, 125074), (5, 125158), (Start: 10 @125242 has 1 MA's), (20, 125434), (21, 125440), (22, 125473), (23, 125476), (25, 125500), (26, 125515), (28, 125566), (32, 125677), (34, 125695),

Gene: Naija_227 Start: 126577, Stop: 127020, Start Num: 9

Candidate Starts for Naija_227:

(Start: 9 @126577 has 179 MA's), (17, 126748), (20, 126781), (27, 126886), (35, 127003),

Gene: Napoleon13_223 Start: 125605, Stop: 126048, Start Num: 9

Candidate Starts for Napoleon13_223:

(Start: 9 @125605 has 179 MA's), (17, 125776), (20, 125809), (27, 125914), (35, 126031),

Gene: Nappy_228 Start: 128079, Stop: 128522, Start Num: 9

Candidate Starts for Nappy_228:

(Start: 9 @128079 has 179 MA's), (17, 128250), (20, 128283), (27, 128388), (35, 128505),

Gene: Naval22_231 Start: 128354, Stop: 128797, Start Num: 9

Candidate Starts for Naval22_231:

(Start: 9 @128354 has 179 MA's), (17, 128525), (20, 128558), (27, 128663), (35, 128780),

Gene: NedWong_225 Start: 127035, Stop: 127478, Start Num: 9

Candidate Starts for NedWong_225:

(Start: 9 @127035 has 179 MA's), (17, 127206), (20, 127239), (27, 127344), (35, 127461),

Gene: Ngannou_223 Start: 125559, Stop: 126002, Start Num: 9

Candidate Starts for Ngannou_223:

(Start: 9 @125559 has 179 MA's), (17, 125730), (20, 125763), (27, 125868), (35, 125985),

Gene: Nidhogg_227 Start: 127403, Stop: 127846, Start Num: 9

Candidate Starts for Nidhogg_227:

(Start: 9 @127403 has 179 MA's), (17, 127574), (20, 127607), (27, 127712), (35, 127829),

Gene: NoodleTree_232 Start: 127298, Stop: 127741, Start Num: 9

Candidate Starts for NoodleTree_232:

(Start: 9 @127298 has 179 MA's), (17, 127469), (20, 127502), (27, 127607), (35, 127724),

Gene: Norm_226 Start: 127304, Stop: 127747, Start Num: 9

Candidate Starts for Norm_226:

(Start: 9 @127304 has 179 MA's), (17, 127475), (20, 127508), (27, 127613), (35, 127730),

Gene: NuevoMundo_229 Start: 127859, Stop: 128302, Start Num: 9

Candidate Starts for NuevoMundo_229:

(Start: 9 @127859 has 179 MA's), (17, 128030), (20, 128063), (27, 128168), (35, 128285),

Gene: OrediggerDelux_222 Start: 127530, Stop: 127973, Start Num: 9

Candidate Starts for OrediggerDelux_222:

(Start: 9 @127530 has 179 MA's), (17, 127701), (20, 127734), (27, 127839), (35, 127956),

Gene: ParkTD_225 Start: 126874, Stop: 127317, Start Num: 9

Candidate Starts for ParkTD_225:

(Start: 9 @126874 has 179 MA's), (17, 127045), (20, 127078), (27, 127183), (35, 127300),

Gene: Patter_228 Start: 126591, Stop: 127034, Start Num: 9

Candidate Starts for Patter_228:

(Start: 9 @126591 has 179 MA's), (17, 126762), (20, 126795), (27, 126900), (35, 127017),

Gene: Phabba_227 Start: 124811, Stop: 125284, Start Num: 11

Candidate Starts for Phabba_227:

(1, 124631), (2, 124640), (3, 124667), (Start: 11 @124811 has 1 MA's), (20, 125003), (23, 125045), (25, 125069), (26, 125084), (27, 125117), (32, 125240), (34, 125258),

Gene: PharkleMinkus_228 Start: 125535, Stop: 125978, Start Num: 9

Candidate Starts for PharkleMinkus_228:

(Start: 9 @125535 has 179 MA's), (17, 125706), (20, 125739), (27, 125844), (35, 125961),

Gene: Phlegm_230 Start: 127280, Stop: 127723, Start Num: 9

Candidate Starts for Phlegm_230:

(Start: 9 @127280 has 179 MA's), (17, 127451), (20, 127484), (27, 127589), (35, 127706),

Gene: Phox_227 Start: 126527, Stop: 126970, Start Num: 9

Candidate Starts for Phox_227:

(Start: 9 @126527 has 179 MA's), (17, 126698), (20, 126731), (27, 126836), (35, 126953),

Gene: Phusco_225 Start: 126112, Stop: 126555, Start Num: 9

Candidate Starts for Phusco_225:

(Start: 9 @126112 has 179 MA's), (17, 126283), (20, 126316), (27, 126421), (35, 126538),

Gene: Pier_227 Start: 127405, Stop: 127848, Start Num: 9

Candidate Starts for Pier_227:

(Start: 9 @127405 has 179 MA's), (17, 127576), (20, 127609), (27, 127714), (35, 127831),

Gene: Pinkcreek_210 Start: 124817, Stop: 125260, Start Num: 9

Candidate Starts for Pinkcreek_210:

(Start: 9 @124817 has 179 MA's), (17, 124988), (20, 125021), (27, 125126), (29, 125150), (35, 125243),

Gene: Pio_234 Start: 128608, Stop: 129051, Start Num: 9

Candidate Starts for Pio_234:

(Start: 9 @128608 has 179 MA's), (17, 128779), (20, 128812), (27, 128917), (35, 129034),

Gene: Pivoine_227 Start: 126577, Stop: 127020, Start Num: 9

Candidate Starts for Pivoine_227:

(Start: 9 @126577 has 179 MA's), (17, 126748), (20, 126781), (27, 126886), (35, 127003),

Gene: Pleione_230 Start: 127340, Stop: 127783, Start Num: 9

Candidate Starts for Pleione_230:

(Start: 9 @127340 has 179 MA's), (17, 127511), (20, 127544), (27, 127649), (35, 127766),

Gene: Primadonna_221 Start: 126238, Stop: 126681, Start Num: 9

Candidate Starts for Primadonna_221:

(Start: 9 @126238 has 179 MA's), (17, 126409), (20, 126442), (27, 126547), (35, 126664),

Gene: Pupper_165 Start: 117644, Stop: 118015, Start Num: 14

Candidate Starts for Pupper_165:

(Start: 14 @117644 has 4 MA's), (15, 117680), (24, 117794), (26, 117818),

Gene: Pupusa_230 Start: 127904, Stop: 128347, Start Num: 9

Candidate Starts for Pupusa_230:

(Start: 9 @127904 has 179 MA's), (17, 128075), (20, 128108), (27, 128213), (35, 128330),

Gene: PurduePete_226 Start: 127605, Stop: 128048, Start Num: 9

Candidate Starts for PurduePete_226:

(Start: 9 @127605 has 179 MA's), (17, 127776), (20, 127809), (27, 127914), (35, 128031),

Gene: QBert_218 Start: 124928, Stop: 125371, Start Num: 9

Candidate Starts for QBert_218:

(Start: 9 @124928 has 179 MA's), (17, 125099), (20, 125132), (27, 125237), (35, 125354),

Gene: Quasimodo_229 Start: 126913, Stop: 127356, Start Num: 9

Candidate Starts for Quasimodo_229:

(Start: 9 @126913 has 179 MA's), (17, 127084), (20, 127117), (27, 127222), (35, 127339),

Gene: Rabinovish_219 Start: 126513, Stop: 126956, Start Num: 9

Candidate Starts for Rabinovish_219:

(Start: 9 @126513 has 179 MA's), (17, 126684), (20, 126717), (27, 126822), (29, 126846), (35, 126939),

Gene: Rahel_228 Start: 127015, Stop: 127458, Start Num: 9

Candidate Starts for Rahel_228:

(Start: 9 @127015 has 179 MA's), (17, 127186), (20, 127219), (27, 127324), (35, 127441),

Gene: Rizal_218 Start: 124830, Stop: 125273, Start Num: 9

Candidate Starts for Rizal_218:

(Start: 9 @124830 has 179 MA's), (17, 125001), (20, 125034), (27, 125139), (35, 125256),

Gene: RoMag_221 Start: 126611, Stop: 127054, Start Num: 9

Candidate Starts for RoMag_221:

(Start: 9 @126611 has 179 MA's), (17, 126782), (20, 126815), (27, 126920), (35, 127037),

Gene: Rocha_223 Start: 126164, Stop: 126607, Start Num: 9

Candidate Starts for Rocha_223:

(Start: 9 @126164 has 179 MA's), (17, 126335), (20, 126368), (27, 126473), (35, 126590),

Gene: Ronan_222 Start: 125000, Stop: 125443, Start Num: 9

Candidate Starts for Ronan_222:

(Start: 9 @125000 has 179 MA's), (17, 125171), (20, 125204), (27, 125309), (35, 125426),

Gene: Roots515_228 Start: 128156, Stop: 128599, Start Num: 9

Candidate Starts for Roots515_228:

(Start: 9 @128156 has 179 MA's), (17, 128327), (20, 128360), (27, 128465), (35, 128582),

Gene: SCentae_164 Start: 117798, Stop: 118169, Start Num: 14

Candidate Starts for SCentae_164:

(Start: 14 @117798 has 4 MA's), (15, 117834), (24, 117948), (26, 117972),

Gene: SVoro_223 Start: 126913, Stop: 127356, Start Num: 9

Candidate Starts for SVoro_223:

(Start: 9 @126913 has 179 MA's), (17, 127084), (20, 127117), (27, 127222), (35, 127339),

Gene: Salacia_228 Start: 128030, Stop: 128473, Start Num: 9

Candidate Starts for Salacia_228:

(Start: 9 @128030 has 179 MA's), (17, 128201), (20, 128234), (27, 128339), (35, 128456),

Gene: Sauce_223 Start: 126339, Stop: 126782, Start Num: 9

Candidate Starts for Sauce_223:

(Start: 9 @126339 has 179 MA's), (17, 126510), (20, 126543), (27, 126648), (35, 126765),

Gene: ScoobyDoobyDoo_215 Start: 122821, Stop: 123270, Start Num: 9

Candidate Starts for ScoobyDoobyDoo_215:

(4, 122752), (6, 122755), (7, 122761), (8, 122770), (Start: 9 @122821 has 179 MA's), (13, 122890), (17, 122974), (18, 122977), (20, 123007), (21, 123013), (23, 123049), (26, 123088), (30, 123193), (31, 123220), (32, 123226), (34, 123244), (35, 123247),

Gene: ScottMcG_220 Start: 125608, Stop: 126051, Start Num: 9

Candidate Starts for ScottMcG_220:

(Start: 9 @125608 has 179 MA's), (17, 125779), (20, 125812), (27, 125917), (35, 126034),

Gene: Sebata_229 Start: 127843, Stop: 128286, Start Num: 9

Candidate Starts for Sebata_229:

(Start: 9 @127843 has 179 MA's), (17, 128014), (20, 128047), (27, 128152), (35, 128269),

Gene: Shaqnato_217 Start: 125737, Stop: 126180, Start Num: 9

Candidate Starts for Shaqnato_217:

(Start: 9 @125737 has 179 MA's), (17, 125908), (20, 125941), (27, 126046), (35, 126163),

Gene: Shelob_227 Start: 128474, Stop: 128917, Start Num: 9

Candidate Starts for Shelob_227:

(Start: 9 @128474 has 179 MA's), (17, 128645), (20, 128678), (27, 128783), (35, 128900),

Gene: ShiaLabeouf_224 Start: 126333, Stop: 126776, Start Num: 9

Candidate Starts for ShiaLabeouf_224:

(Start: 9 @126333 has 179 MA's), (17, 126504), (20, 126537), (27, 126642), (35, 126759),

Gene: Shifa_204 Start: 125799, Stop: 126242, Start Num: 9

Candidate Starts for Shifa_204:

(Start: 9 @125799 has 179 MA's), (17, 125970), (20, 126003), (27, 126108), (35, 126225),

Gene: Shnickers_225 Start: 126397, Stop: 126840, Start Num: 9

Candidate Starts for Shnickers_225:

(Start: 9 @126397 has 179 MA's), (17, 126568), (20, 126601), (27, 126706), (35, 126823),

Gene: Shrimp_228 Start: 127641, Stop: 128084, Start Num: 9

Candidate Starts for Shrimp_228:

(Start: 9 @127641 has 179 MA's), (17, 127812), (20, 127845), (27, 127950), (35, 128067),

Gene: SilverDipper_230 Start: 127133, Stop: 127576, Start Num: 9

Candidate Starts for SilverDipper_230:

(Start: 9 @127133 has 179 MA's), (17, 127304), (20, 127337), (27, 127442), (35, 127559),

Gene: Skog_225 Start: 147266, Stop: 147646, Start Num: 14

Candidate Starts for Skog_225:

(Start: 14 @147266 has 4 MA's), (15, 147305), (16, 147320), (19, 147353), (23, 147401), (25, 147425), (33, 147620), (35, 147626),

Gene: SmallFry_227 Start: 126491, Stop: 126934, Start Num: 9

Candidate Starts for SmallFry_227:

(Start: 9 @126491 has 179 MA's), (17, 126662), (20, 126695), (27, 126800), (35, 126917),

Gene: Spec_221 Start: 126560, Stop: 127003, Start Num: 9

Candidate Starts for Spec_221:

(Start: 9 @126560 has 179 MA's), (17, 126731), (20, 126764), (27, 126869), (35, 126986),

Gene: Specks_230 Start: 126982, Stop: 127425, Start Num: 9

Candidate Starts for Specks_230:

(Start: 9 @126982 has 179 MA's), (17, 127153), (20, 127186), (27, 127291), (35, 127408),

Gene: Sprinklers_224 Start: 126227, Stop: 126670, Start Num: 9

Candidate Starts for Sprinklers_224:

(Start: 9 @126227 has 179 MA's), (17, 126398), (20, 126431), (27, 126536), (35, 126653),

Gene: Spud_220 Start: 125948, Stop: 126391, Start Num: 9

Candidate Starts for Spud_220:

(Start: 9 @125948 has 179 MA's), (17, 126119), (20, 126152), (27, 126257), (35, 126374),

Gene: SrishMeg2525_223 Start: 127137, Stop: 127580, Start Num: 9

Candidate Starts for SrishMeg2525_223:

(Start: 9 @127137 has 179 MA's), (17, 127308), (20, 127341), (27, 127446), (35, 127563),

Gene: StephanieG_222 Start: 127134, Stop: 127577, Start Num: 9

Candidate Starts for StephanieG_222:

(Start: 9 @127134 has 179 MA's), (17, 127305), (20, 127338), (27, 127443), (35, 127560),

Gene: Stubby_210 Start: 125025, Stop: 125468, Start Num: 9

Candidate Starts for Stubby_210:

(Start: 9 @125025 has 179 MA's), (17, 125196), (20, 125229), (27, 125334), (35, 125451),

Gene: StubbySaigey_231 Start: 126667, Stop: 127110, Start Num: 9

Candidate Starts for StubbySaigey_231:

(Start: 9 @126667 has 179 MA's), (17, 126838), (20, 126871), (27, 126976), (35, 127093),

Gene: Substance289_223 Start: 126539, Stop: 126982, Start Num: 9

Candidate Starts for Substance289_223:

(Start: 9 @126539 has 179 MA's), (17, 126710), (20, 126743), (27, 126848), (35, 126965),

Gene: Tainan_227 Start: 126111, Stop: 126554, Start Num: 9

Candidate Starts for Tainan_227:

(Start: 9 @126111 has 179 MA's), (17, 126282), (20, 126315), (27, 126420), (35, 126537),

Gene: Teardrop_224 Start: 125993, Stop: 126436, Start Num: 9

Candidate Starts for Teardrop_224:

(Start: 9 @125993 has 179 MA's), (17, 126164), (20, 126197), (27, 126302), (35, 126419),

Gene: TinyTim_224 Start: 125961, Stop: 126404, Start Num: 9

Candidate Starts for TinyTim_224:

(Start: 9 @125961 has 179 MA's), (17, 126132), (20, 126165), (27, 126270), (35, 126387),

Gene: Tonenili_248 Start: 131783, Stop: 132226, Start Num: 9

Candidate Starts for Tonenili_248:

(Start: 9 @131783 has 179 MA's), (17, 131954), (20, 131987), (27, 132092), (32, 132188), (35, 132209),

Gene: Tortoise16_224 Start: 126423, Stop: 126866, Start Num: 9

Candidate Starts for Tortoise16_224:

(Start: 9 @126423 has 179 MA's), (17, 126594), (20, 126627), (27, 126732), (35, 126849),

Gene: Trinitium_222 Start: 124715, Stop: 125158, Start Num: 9

Candidate Starts for Trinitium_222:

(Start: 9 @124715 has 179 MA's), (17, 124886), (20, 124919), (27, 125024), (35, 125141),

Gene: Turret_219 Start: 124297, Stop: 124740, Start Num: 9

Candidate Starts for Turret_219:

(Start: 9 @124297 has 179 MA's), (17, 124468), (20, 124501), (27, 124606), (35, 124723),

Gene: Tyke_225 Start: 128603, Stop: 129046, Start Num: 9

Candidate Starts for Tyke_225:

(Start: 9 @128603 has 179 MA's), (17, 128774), (20, 128807), (27, 128912), (35, 129029),

Gene: ValleyTerrace_227 Start: 125874, Stop: 126317, Start Num: 9

Candidate Starts for ValleyTerrace_227:

(Start: 9 @125874 has 179 MA's), (17, 126045), (20, 126078), (27, 126183), (35, 126300),

Gene: Vortrix_246 Start: 130570, Stop: 131013, Start Num: 9

Candidate Starts for Vortrix_246:

(Start: 9 @130570 has 179 MA's), (17, 130741), (20, 130774), (27, 130879), (32, 130975), (35, 130996),

Gene: Wally_224 Start: 125858, Stop: 126301, Start Num: 9

Candidate Starts for Wally_224:

(Start: 9 @125858 has 179 MA's), (17, 126029), (20, 126062), (27, 126167), (35, 126284),

Gene: Willis_227 Start: 126797, Stop: 127240, Start Num: 9

Candidate Starts for Willis_227:

(Start: 9 @126797 has 179 MA's), (17, 126968), (20, 127001), (27, 127106), (35, 127223),

Gene: Yassified_223 Start: 126210, Stop: 126653, Start Num: 9

Candidate Starts for Yassified_223:

(Start: 9 @126210 has 179 MA's), (17, 126381), (20, 126414), (27, 126519), (35, 126636),

Gene: YemiJoy2021_227 Start: 127528, Stop: 127971, Start Num: 9

Candidate Starts for YemiJoy2021_227:

(Start: 9 @127528 has 179 MA's), (17, 127699), (20, 127732), (27, 127837), (35, 127954),

Gene: YoungMoneyMata_226 Start: 127045, Stop: 127488, Start Num: 9

Candidate Starts for YoungMoneyMata_226:

(Start: 9 @127045 has 179 MA's), (17, 127216), (20, 127249), (27, 127354), (35, 127471),

Gene: Yucca_226 Start: 127520, Stop: 127963, Start Num: 9

Candidate Starts for Yucca_226:

(Start: 9 @127520 has 179 MA's), (17, 127691), (20, 127724), (27, 127829), (35, 127946),

Gene: Zalkecks_225 Start: 126626, Stop: 127069, Start Num: 9

Candidate Starts for Zalkecks_225:

(Start: 9 @126626 has 179 MA's), (17, 126797), (20, 126830), (27, 126935), (35, 127052),

Gene: Zeenon_228 Start: 127160, Stop: 127603, Start Num: 9

Candidate Starts for Zeenon_228:

(Start: 9 @127160 has 179 MA's), (17, 127331), (20, 127364), (27, 127469), (35, 127586),

Gene: ZygoTaiga_223 Start: 127817, Stop: 128260, Start Num: 9

Candidate Starts for ZygoTaiga_223:

(Start: 9 @127817 has 179 MA's), (17, 127988), (20, 128021), (27, 128126), (35, 128243),