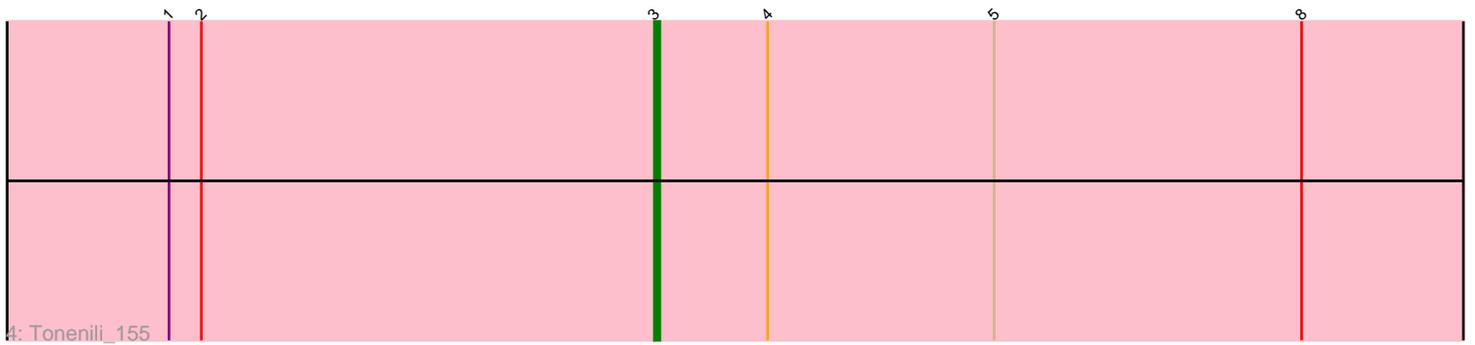
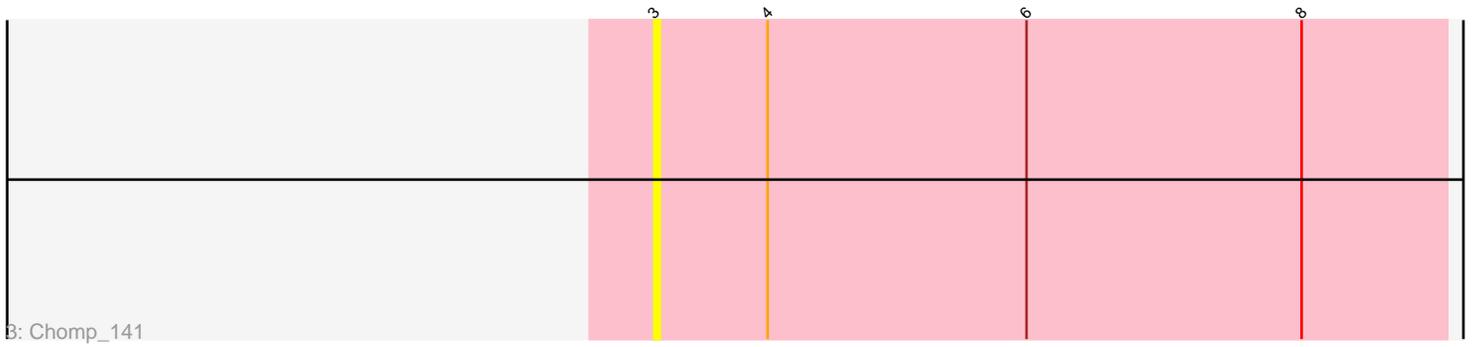
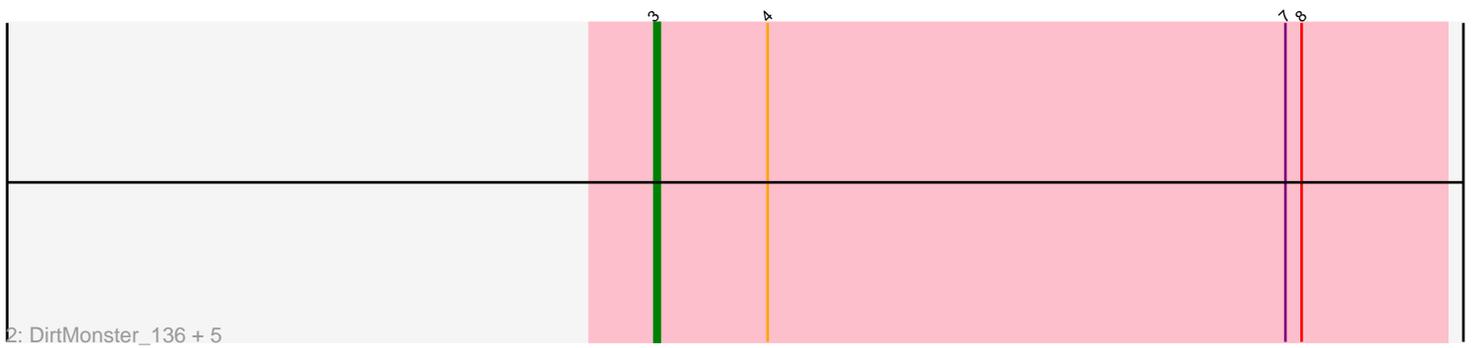
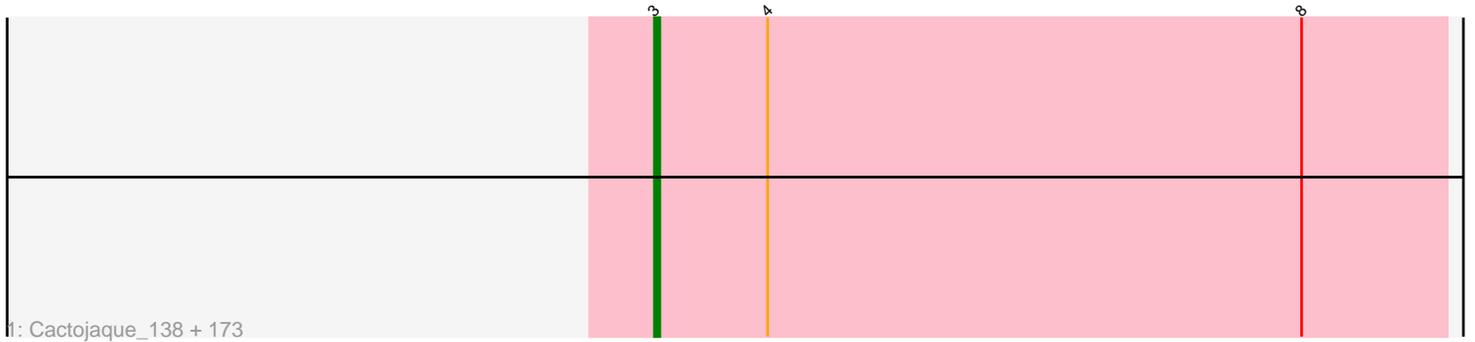


Pham 524



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 524 Report

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

Pham number 524 has 182 members, 15 are drafts.

Phages represented in each track:

- Track 1 : Cactojaque_138, StephanieG_140, Fludd_144, Delilah_142, Ava3_143, ArcherS7_141, Amataga_143, Shaqnato_136, Grungle_129, Maby2021_142, DrPhinkDaddy_141, FrayBell_147, Momo_142, Concombre_148, ErnieJ_136, Phox_140, ScottMcG_138, Bx1_140, QBert_136, EmmaElysia_143, Caravan_136, Essence_139, Gamgam_143, BigCity_150, Tyke_142, Catera_138, Wally_141, StubbySaigey_146, Iota_137, Blubba_136, Yucca_141, Erdmann_142, Sprinklers_138, Jemmno_142, Gizmo_147, Janiyra_145, InigoMontoya_145, LRRHood_136, Shnickers_142, NoodleTree_149, ParkTD_143, Capablanca_145, Jaygup_142, Lukilu_133, Atlantean_142, Bangla1971_143, Sebata_142, Jedediah_145, Daffodil_147, BackyardAgain_139, FoxtrotP1_142, Trinitium_140, Adlitam_143, SilverDipper_144, Cane17_135, Kamryn_142, EmToTheThree_144, DTDevon_142, Salacia_146, Ewok_143, LinStu_140, PurduePete_142, SrishMeg2525_141, ChaylaJr_138, Ronan_136, Lee7_140, Jessibeth14_142, Babyland_144, Pier_146, Tortoise16_139, Nappy_144, Colt_134, Pio_147, LordLeafolot_146, McWolfish_140, Flabslab_137, Bonray_143, Guwapp_141, TinyTim_142, NuevoMundo_147, Bigswole_145, Drazdys_140, JustHall_140, Nidhogg_144, Rabinovish_142, Alice_135, Matsumoto_139, NedWong_143, ShiaLabeouf_141, Morizzled23_143, Rizal_137, CindyLou_144, Willis_143, IkeLoa_136, RoMag_137, Spud_141, EasyJones_145, Roots515_141, Dandelion_147, Audrick_145, Delylah_145, ValleyTerrace_143, Breeniome_142, Blackbrain_138, Burrough_143, Ghost_141, HyRo_134, McGee_144, Naval22_147, Bipolarisk_141, Basquiat_139, BeanWater_134, BadAgartude_138, I3_147, Loanshark_141, Stubby_135, Yassified_139, Pivoine_142, LifeSavor_140, Megamind_141, Spec_138, MikeLiesIn_144, Patter_143, Teardrop_142, Napoleon13_138, Bread_141, Shelob_145, Khaleesi_141, Rahel_141, SmallFry_142, Ngannou_139, LolaVinca_143, YemiJoy2021_143, Issimir_141, ChickenPhender_139, Norm_143, Ading_142, JPickles_139, Shrimp_142, Littleton_142, Melpomini_136, Mangeria_143, Darko_142, JulietS_137, Chargie21_139, Kboogie_146, Koguma_140, Phusco_142, ZygoTaiga_140, MoMoMixon_142, Pleione_145, Derek_141, Zeenon_143, BananaFence_141, EggyFarm_150, Dietrick_134, Zalkecks_143, YoungMoneyMata_144, FudgeTart_140, Izajani_142, Turret_138, JayJay_142, Shifa_132, Grasshills_149, Quasimodo_144, Phlegm_146, Gabriel_142, Naija_142, Specks_147, ET08_130, Asterius_139, Mikro_139, Pinkcreek_133, Latch_143
- Track 2 : DirtMonster_136, InterFolia_148, Astraea_138, Cali_138, CharlieB_140, Sauce_142
- Track 3 : Chomp_141

- Track 4 : Tonenili_155

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

The start number called the most often in the published annotations is 3, it was called in 167 of the 167 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_142, Adlitam_143, Alice_135, Amataga_143, ArcherS7_141, Asterius_139, Astraea_138, Atlantean_142, Audrick_145, Ava3_143, Babyland_144, BackyardAgain_139, BadAgartude_138, BananaFence_141, Bangla1971_143, Basquiat_139, BeanWater_134, BigCity_150, Bigswole_145, Bipolarisk_141, Blackbrain_138, Blubba_136, Bonray_143, Bread_141, Breeniome_142, Burrough_143, Bxz1_140, Cactojaque_138, Cali_138, Cane17_135, Capablanca_145, Caravan_136, Catera_138, Chargie21_139, CharlieB_140, ChaylaJr_138, ChickenPhender_139, Chomp_141, CindyLou_144, Colt_134, Concombre_148, DTDevon_142, Daffodil_147, Dandelion_147, Darko_142, Delilah_142, Delylah_145, Derek_141, Dietrick_134, DirtMonster_136, DrPhinkDaddy_141, Drazdys_140, ET08_130, EasyJones_145, EggyFarm_150, EmToTheThree_144, EmmaElysia_143, Erdmann_142, ErnieJ_136, Essence_139, Ewok_143, Flabslab_137, Fludd_144, FoxtrotP1_142, FrayBell_147, FudgeTart_140, Gabriel_142, Gangam_143, Ghost_141, Gizmo_147, Grasshills_149, Grungle_129, Guwapp_141, HyRo_134, I3_147, IkeLoa_136, InigoMontoya_145, InterFolia_148, Iota_137, Issimir_141, Izajani_142, JPickles_139, Janiyra_145, JayJay_142, Jaygup_142, Jedediah_145, Jemmno_142, Jessibeth14_142, JulietS_137, JustHall_140, Kamryn_142, Kboogie_146, Khaleesi_141, Koguma_140, LRRHood_136, Latch_143, Lee7_140, LifeSavor_140, LinStu_140, Littleton_142, Loanshark_141, LolaVinca_143, LordLeafolot_146, Lukilu_133, Maby2021_142, Mangeria_143, Matsumoto_139, McGee_144, McWolfish_140, Megamind_141, Melpomini_136, MikeLiesIn_144, Mikro_139, MoMoMixon_142, Momo_142, Morizzled23_143, Naija_142, Napoleon13_138, Nappy_144, Naval22_147, NedWong_143, Ngannou_139, Nidhogg_144, NoodleTree_149, Norm_143, NuevoMundo_147, ParkTD_143, Patter_143, Phlegm_146, Phox_140, Phusco_142, Pier_146, Pinkcreek_133, Pio_147, Pivoine_142, Pleione_145, PurduePete_142, QBert_136, Quasimodo_144, Rabinovish_142, Rahel_141, Rizal_137, RoMag_137, Ronan_136, Roots515_141, Salacia_146, Sauce_142, ScottMcG_138, Sebata_142, Shaqnato_136, Shelob_145, ShiaLabeouf_141, Shifa_132, Shnickers_142, Shrimp_142, SilverDipper_144, SmallFry_142, Spec_138, Specks_147, Sprinklers_138, Spud_141, SrishMeg2525_141, StephanieG_140, StubbySaigey_146, Stubby_135, Teardrop_142, TinyTim_142, Tonenili_155, Tortoise16_139, Trinitium_140, Turret_138, Tyke_142, ValleyTerrace_143, Wally_141, Willis_143, Yassified_139, YemiJoy2021_143, YoungMoneyMata_144, Yucca_141, Zalkecks_143, Zeenon_143, ZygoTaiga_140,

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

-

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

-

Summary by start number:

Start 3:

- Found in 182 of 182 (100.0%) of genes in pham
- Manual Annotations of this start: 167 of 167
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ading_142 (C1), Adlitam_143 (C1), Alice_135 (C1), Amataga_143 (C1), ArcherS7_141 (C1), Asterius_139 (C1), Astraea_138 (C1), Atlantean_142 (C1), Audrick_145 (C1), Ava3_143 (C1), Babyland_144 (C1), BackyardAgain_139 (C1), BadAgartude_138 (C1), BananaFence_141 (C1), Bangla1971_143 (C1), Basquiat_139 (C1), BeanWater_134 (C1), BigCity_150 (C1), Bigswole_145 (C1), Bipolarisk_141 (C1), Blackbrain_138 (C1), Blubba_136 (C1), Bonray_143 (C1), Bread_141 (C1), Breeniome_142 (C1), Burrough_143 (C1), Bxz1_140 (C1), Cactojaque_138 (C1), Cali_138 (C1), Cane17_135 (C1), Capablanca_145 (C1), Caravan_136 (C1), Catera_138 (C1), Chargie21_139 (C1), CharlieB_140 (C1), ChaylaJr_138 (C1), ChickenPhender_139 (C1), Chomp_141 (C1), CindyLou_144 (C1), Colt_134 (C1), Concombre_148 (C1), DTDevon_142 (C1), Daffodil_147 (C1), Dandelion_147 (C1), Darko_142 (C1), Delilah_142 (C1), Delylah_145 (C1), Derek_141 (C1), Dietrick_134 (C1), DirtMonster_136 (C1), DrPhinkDaddy_141 (C1), Drazdys_140 (C1), ET08_130 (C1), EasyJones_145 (C1), EggyFarm_150 (C1), EmToTheThree_144 (C1), EmmaElysia_143 (C1), Erdmann_142 (C1), ErnieJ_136 (C1), Essence_139 (C1), Ewok_143 (C1), Flabslab_137 (C1), Fludd_144 (C1), FoxtrotP1_142 (C1), FrayBell_147 (C1), FudgeTart_140 (C1), Gabriel_142 (C1), Gamgam_143 (C1), Ghost_141 (C1), Gizmo_147 (C1), Grasshills_149 (C1), Grungle_129 (C1), Guwapp_141 (C1), HyRo_134 (C1), I3_147 (C1), IkeLoa_136 (C1), InigoMontoya_145 (C1), InterFolia_148 (C1), Iota_137 (C1), Issimir_141 (C1), Izajani_142 (C1), JPickles_139 (C1), Janiyr_145 (C1), JayJay_142 (C1), Jaygup_142 (C1), Jedediah_145 (C1), Jemmno_142 (C1), Jessibeth14_142 (C1), JulietS_137 (C1), JustHall_140 (C1), Kamryn_142 (C1), Kboogie_146 (C1), Khaleesi_141 (C1), Koguma_140 (C1), LRRHood_136 (C1), Latch_143 (C1), Lee7_140 (C1), LifeSavor_140 (C1), LinStu_140 (C1), Littleton_142 (C1), Loanshark_141 (C1), LolaVinca_143 (C1), LordLeafolot_146 (C1), Lukilu_133 (C1), Maby2021_142 (C1), Mangeria_143 (C1), Matsumoto_139 (C1), McGee_144 (C1), McWolfish_140 (C1), Megamind_141 (C1), Melpomini_136 (C1), MikeLiesIn_144 (C1), Mikro_139 (C1), MoMoMixon_142 (C1), Momo_142 (C1), Morizzled23_143 (C1), Naija_142 (C1), Napoleon13_138 (C1), Nappy_144 (C1), Naval22_147 (C1), NedWong_143 (C1), Ngannou_139 (C1), Nidhogg_144 (C1), NoodleTree_149 (C1), Norm_143 (C1), NuevoMundo_147 (C1), ParkTD_143 (C1), Patter_143 (C1), Phlegm_146 (C1), Phox_140 (C1), Phusco_142 (C1), Pier_146 (C1), Pinkcreek_133 (C1), Pio_147 (C1), Pivoine_142 (C1), Pleione_145 (C1), PurduePete_142 (C1), QBert_136 (C1), Quasimodo_144 (C1), Rabinovish_142 (C1), Rahel_141 (C1), Rizal_137 (C1), RoMag_137 (C1), Ronan_136 (C1), Roots515_141 (C1), Salacia_146 (C1), Sauce_142 (C1), ScottMcG_138 (C1), Sebata_142 (C1), Shaq nato_136 (C1), Shelob_145 (C1), ShiaLabeouf_141 (C1), Shifa_132 (C1), Shnickers_142 (C1), Shrimp_142 (C1), SilverDipper_144 (C1), SmallFry_142 (C1), Spec_138 (C1), Specks_147 (C1), Sprinklers_138 (C1), Spud_141 (C1), SrishMeg2525_141 (C1), StephanieG_140 (C1), StubbySaigey_146 (C1), Stubby_135 (C1), Teardrop_142 (C1), TinyTim_142 (C1), Tonenili_155 (C1), Tortoise16_139 (C1), Trinitium_140 (C1), Turret_138 (C1), Tyke_142 (C1), ValleyTerrace_143 (C1), Wally_141 (C1), Willis_143 (C1), Yassified_139 (C1), YemiJoy2021_143 (C1), YoungMoneyMata_144 (C1), Yucca_141 (C1), Zalkecks_143 (C1), Zeenon_143 (C1), ZygoTaiga_140 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

•Start number 3 was manually annotated 167 times for cluster C1.

Gene Information:

Gene: Ading_142 Start: 82888, Stop: 83034, Start Num: 3

Candidate Starts for Ading_142:

(Start: 3 @82888 has 167 MA's), (4, 82909), (8, 83008),

Gene: Adlitam_143 Start: 83384, Stop: 83530, Start Num: 3

Candidate Starts for Adlitam_143:

(Start: 3 @83384 has 167 MA's), (4, 83405), (8, 83504),

Gene: Alice_135 Start: 82609, Stop: 82755, Start Num: 3

Candidate Starts for Alice_135:

(Start: 3 @82609 has 167 MA's), (4, 82630), (8, 82729),

Gene: Amataga_143 Start: 82629, Stop: 82775, Start Num: 3

Candidate Starts for Amataga_143:

(Start: 3 @82629 has 167 MA's), (4, 82650), (8, 82749),

Gene: ArcherS7_141 Start: 82468, Stop: 82614, Start Num: 3

Candidate Starts for ArcherS7_141:

(Start: 3 @82468 has 167 MA's), (4, 82489), (8, 82588),

Gene: Asterius_139 Start: 83145, Stop: 83291, Start Num: 3

Candidate Starts for Asterius_139:

(Start: 3 @83145 has 167 MA's), (4, 83166), (8, 83265),

Gene: Astraea_138 Start: 81980, Stop: 82126, Start Num: 3

Candidate Starts for Astraea_138:

(Start: 3 @81980 has 167 MA's), (4, 82001), (7, 82097), (8, 82100),

Gene: Atlantean_142 Start: 82629, Stop: 82775, Start Num: 3

Candidate Starts for Atlantean_142:

(Start: 3 @82629 has 167 MA's), (4, 82650), (8, 82749),

Gene: Audrick_145 Start: 82608, Stop: 82754, Start Num: 3

Candidate Starts for Audrick_145:

(Start: 3 @82608 has 167 MA's), (4, 82629), (8, 82728),

Gene: Ava3_143 Start: 83053, Stop: 83199, Start Num: 3

Candidate Starts for Ava3_143:

(Start: 3 @83053 has 167 MA's), (4, 83074), (8, 83173),

Gene: Babyland_144 Start: 82707, Stop: 82853, Start Num: 3

Candidate Starts for Babyland_144:
(Start: 3 @82707 has 167 MA's), (4, 82728), (8, 82827),

Gene: BackyardAgain_139 Start: 82056, Stop: 82202, Start Num: 3
Candidate Starts for BackyardAgain_139:
(Start: 3 @82056 has 167 MA's), (4, 82077), (8, 82176),

Gene: BadAgartude_138 Start: 83355, Stop: 83501, Start Num: 3
Candidate Starts for BadAgartude_138:
(Start: 3 @83355 has 167 MA's), (4, 83376), (8, 83475),

Gene: BananaFence_141 Start: 83309, Stop: 83455, Start Num: 3
Candidate Starts for BananaFence_141:
(Start: 3 @83309 has 167 MA's), (4, 83330), (8, 83429),

Gene: Bangla1971_143 Start: 82598, Stop: 82744, Start Num: 3
Candidate Starts for Bangla1971_143:
(Start: 3 @82598 has 167 MA's), (4, 82619), (8, 82718),

Gene: Basquiat_139 Start: 82207, Stop: 82353, Start Num: 3
Candidate Starts for Basquiat_139:
(Start: 3 @82207 has 167 MA's), (4, 82228), (8, 82327),

Gene: BeanWater_134 Start: 82907, Stop: 83053, Start Num: 3
Candidate Starts for BeanWater_134:
(Start: 3 @82907 has 167 MA's), (4, 82928), (8, 83027),

Gene: BigCity_150 Start: 85579, Stop: 85725, Start Num: 3
Candidate Starts for BigCity_150:
(Start: 3 @85579 has 167 MA's), (4, 85600), (8, 85699),

Gene: Bigswole_145 Start: 84864, Stop: 85010, Start Num: 3
Candidate Starts for Bigswole_145:
(Start: 3 @84864 has 167 MA's), (4, 84885), (8, 84984),

Gene: Bipolarisk_141 Start: 83321, Stop: 83467, Start Num: 3
Candidate Starts for Bipolarisk_141:
(Start: 3 @83321 has 167 MA's), (4, 83342), (8, 83441),

Gene: Blackbrain_138 Start: 82092, Stop: 82238, Start Num: 3
Candidate Starts for Blackbrain_138:
(Start: 3 @82092 has 167 MA's), (4, 82113), (8, 82212),

Gene: Blubba_136 Start: 84454, Stop: 84600, Start Num: 3
Candidate Starts for Blubba_136:
(Start: 3 @84454 has 167 MA's), (4, 84475), (8, 84574),

Gene: Bonray_143 Start: 83963, Stop: 84109, Start Num: 3
Candidate Starts for Bonray_143:
(Start: 3 @83963 has 167 MA's), (4, 83984), (8, 84083),

Gene: Bread_141 Start: 83140, Stop: 83286, Start Num: 3
Candidate Starts for Bread_141:

(Start: 3 @83140 has 167 MA's), (4, 83161), (8, 83260),

Gene: Breeniome_142 Start: 81901, Stop: 82047, Start Num: 3

Candidate Starts for Breeniome_142:

(Start: 3 @81901 has 167 MA's), (4, 81922), (8, 82021),

Gene: Burrough_143 Start: 84052, Stop: 84198, Start Num: 3

Candidate Starts for Burrough_143:

(Start: 3 @84052 has 167 MA's), (4, 84073), (8, 84172),

Gene: Bxz1_140 Start: 85255, Stop: 85401, Start Num: 3

Candidate Starts for Bxz1_140:

(Start: 3 @85255 has 167 MA's), (4, 85276), (8, 85375),

Gene: Cactojaque_138 Start: 82199, Stop: 82345, Start Num: 3

Candidate Starts for Cactojaque_138:

(Start: 3 @82199 has 167 MA's), (4, 82220), (8, 82319),

Gene: Cali_138 Start: 84054, Stop: 84200, Start Num: 3

Candidate Starts for Cali_138:

(Start: 3 @84054 has 167 MA's), (4, 84075), (7, 84171), (8, 84174),

Gene: Cane17_135 Start: 84916, Stop: 85062, Start Num: 3

Candidate Starts for Cane17_135:

(Start: 3 @84916 has 167 MA's), (4, 84937), (8, 85036),

Gene: Capablanca_145 Start: 84379, Stop: 84525, Start Num: 3

Candidate Starts for Capablanca_145:

(Start: 3 @84379 has 167 MA's), (4, 84400), (8, 84499),

Gene: Caravan_136 Start: 83007, Stop: 83153, Start Num: 3

Candidate Starts for Caravan_136:

(Start: 3 @83007 has 167 MA's), (4, 83028), (8, 83127),

Gene: Catera_138 Start: 81914, Stop: 82060, Start Num: 3

Candidate Starts for Catera_138:

(Start: 3 @81914 has 167 MA's), (4, 81935), (8, 82034),

Gene: Chargie21_139 Start: 82207, Stop: 82353, Start Num: 3

Candidate Starts for Chargie21_139:

(Start: 3 @82207 has 167 MA's), (4, 82228), (8, 82327),

Gene: CharlieB_140 Start: 82937, Stop: 83083, Start Num: 3

Candidate Starts for CharlieB_140:

(Start: 3 @82937 has 167 MA's), (4, 82958), (7, 83054), (8, 83057),

Gene: ChaylaJr_138 Start: 82015, Stop: 82161, Start Num: 3

Candidate Starts for ChaylaJr_138:

(Start: 3 @82015 has 167 MA's), (4, 82036), (8, 82135),

Gene: ChickenPhender_139 Start: 82243, Stop: 82389, Start Num: 3

Candidate Starts for ChickenPhender_139:

(Start: 3 @82243 has 167 MA's), (4, 82264), (8, 82363),

Gene: Chomp_141 Start: 83918, Stop: 84064, Start Num: 3
Candidate Starts for Chomp_141:
(Start: 3 @83918 has 167 MA's), (4, 83939), (6, 83987), (8, 84038),

Gene: CindyLou_144 Start: 83958, Stop: 84104, Start Num: 3
Candidate Starts for CindyLou_144:
(Start: 3 @83958 has 167 MA's), (4, 83979), (8, 84078),

Gene: Colt_134 Start: 84629, Stop: 84775, Start Num: 3
Candidate Starts for Colt_134:
(Start: 3 @84629 has 167 MA's), (4, 84650), (8, 84749),

Gene: Concombres_148 Start: 85813, Stop: 85959, Start Num: 3
Candidate Starts for Concombres_148:
(Start: 3 @85813 has 167 MA's), (4, 85834), (8, 85933),

Gene: DTDevon_142 Start: 83680, Stop: 83826, Start Num: 3
Candidate Starts for DTDevon_142:
(Start: 3 @83680 has 167 MA's), (4, 83701), (8, 83800),

Gene: Daffodil_147 Start: 83621, Stop: 83767, Start Num: 3
Candidate Starts for Daffodil_147:
(Start: 3 @83621 has 167 MA's), (4, 83642), (8, 83741),

Gene: Dandelion_147 Start: 85813, Stop: 85959, Start Num: 3
Candidate Starts for Dandelion_147:
(Start: 3 @85813 has 167 MA's), (4, 85834), (8, 85933),

Gene: Darko_142 Start: 83313, Stop: 83459, Start Num: 3
Candidate Starts for Darko_142:
(Start: 3 @83313 has 167 MA's), (4, 83334), (8, 83433),

Gene: Delilah_142 Start: 83775, Stop: 83921, Start Num: 3
Candidate Starts for Delilah_142:
(Start: 3 @83775 has 167 MA's), (4, 83796), (8, 83895),

Gene: Delylah_145 Start: 83314, Stop: 83460, Start Num: 3
Candidate Starts for Delylah_145:
(Start: 3 @83314 has 167 MA's), (4, 83335), (8, 83434),

Gene: Derek_141 Start: 83240, Stop: 83386, Start Num: 3
Candidate Starts for Derek_141:
(Start: 3 @83240 has 167 MA's), (4, 83261), (8, 83360),

Gene: Dietrick_134 Start: 81316, Stop: 81462, Start Num: 3
Candidate Starts for Dietrick_134:
(Start: 3 @81316 has 167 MA's), (4, 81337), (8, 81436),

Gene: DirtMonster_136 Start: 82645, Stop: 82791, Start Num: 3
Candidate Starts for DirtMonster_136:
(Start: 3 @82645 has 167 MA's), (4, 82666), (7, 82762), (8, 82765),

Gene: DrPhinkDaddy_141 Start: 83833, Stop: 83979, Start Num: 3
Candidate Starts for DrPhinkDaddy_141:
(Start: 3 @83833 has 167 MA's), (4, 83854), (8, 83953),

Gene: Drazdys_140 Start: 82304, Stop: 82450, Start Num: 3
Candidate Starts for Drazdys_140:
(Start: 3 @82304 has 167 MA's), (4, 82325), (8, 82424),

Gene: ET08_130 Start: 82294, Stop: 82440, Start Num: 3
Candidate Starts for ET08_130:
(Start: 3 @82294 has 167 MA's), (4, 82315), (8, 82414),

Gene: EasyJones_145 Start: 82861, Stop: 83007, Start Num: 3
Candidate Starts for EasyJones_145:
(Start: 3 @82861 has 167 MA's), (4, 82882), (8, 82981),

Gene: EggyFarm_150 Start: 85579, Stop: 85725, Start Num: 3
Candidate Starts for EggyFarm_150:
(Start: 3 @85579 has 167 MA's), (4, 85600), (8, 85699),

Gene: EmToTheThree_144 Start: 84573, Stop: 84719, Start Num: 3
Candidate Starts for EmToTheThree_144:
(Start: 3 @84573 has 167 MA's), (4, 84594), (8, 84693),

Gene: EmmaElysia_143 Start: 82848, Stop: 82994, Start Num: 3
Candidate Starts for EmmaElysia_143:
(Start: 3 @82848 has 167 MA's), (4, 82869), (8, 82968),

Gene: Erdmann_142 Start: 83622, Stop: 83768, Start Num: 3
Candidate Starts for Erdmann_142:
(Start: 3 @83622 has 167 MA's), (4, 83643), (8, 83742),

Gene: ErnieJ_136 Start: 81591, Stop: 81737, Start Num: 3
Candidate Starts for ErnieJ_136:
(Start: 3 @81591 has 167 MA's), (4, 81612), (8, 81711),

Gene: Essence_139 Start: 82470, Stop: 82616, Start Num: 3
Candidate Starts for Essence_139:
(Start: 3 @82470 has 167 MA's), (4, 82491), (8, 82590),

Gene: Ewok_143 Start: 82999, Stop: 83145, Start Num: 3
Candidate Starts for Ewok_143:
(Start: 3 @82999 has 167 MA's), (4, 83020), (8, 83119),

Gene: Flabslab_137 Start: 81181, Stop: 81327, Start Num: 3
Candidate Starts for Flabslab_137:
(Start: 3 @81181 has 167 MA's), (4, 81202), (8, 81301),

Gene: Fludd_144 Start: 83051, Stop: 83197, Start Num: 3
Candidate Starts for Fludd_144:
(Start: 3 @83051 has 167 MA's), (4, 83072), (8, 83171),

Gene: FoxtrotP1_142 Start: 84782, Stop: 84928, Start Num: 3

Candidate Starts for FoxtrotP1_142:
(Start: 3 @84782 has 167 MA's), (4, 84803), (8, 84902),

Gene: FrayBell_147 Start: 83946, Stop: 84092, Start Num: 3
Candidate Starts for FrayBell_147:
(Start: 3 @83946 has 167 MA's), (4, 83967), (8, 84066),

Gene: FudgeTart_140 Start: 82653, Stop: 82799, Start Num: 3
Candidate Starts for FudgeTart_140:
(Start: 3 @82653 has 167 MA's), (4, 82674), (8, 82773),

Gene: Gabriel_142 Start: 81876, Stop: 82022, Start Num: 3
Candidate Starts for Gabriel_142:
(Start: 3 @81876 has 167 MA's), (4, 81897), (8, 81996),

Gene: Gamgam_143 Start: 82619, Stop: 82765, Start Num: 3
Candidate Starts for Gamgam_143:
(Start: 3 @82619 has 167 MA's), (4, 82640), (8, 82739),

Gene: Ghost_141 Start: 82629, Stop: 82775, Start Num: 3
Candidate Starts for Ghost_141:
(Start: 3 @82629 has 167 MA's), (4, 82650), (8, 82749),

Gene: Gizmo_147 Start: 85251, Stop: 85397, Start Num: 3
Candidate Starts for Gizmo_147:
(Start: 3 @85251 has 167 MA's), (4, 85272), (8, 85371),

Gene: Grasshills_149 Start: 85579, Stop: 85725, Start Num: 3
Candidate Starts for Grasshills_149:
(Start: 3 @85579 has 167 MA's), (4, 85600), (8, 85699),

Gene: Grungle_129 Start: 79894, Stop: 80040, Start Num: 3
Candidate Starts for Grungle_129:
(Start: 3 @79894 has 167 MA's), (4, 79915), (8, 80014),

Gene: Guwapp_141 Start: 82041, Stop: 82187, Start Num: 3
Candidate Starts for Guwapp_141:
(Start: 3 @82041 has 167 MA's), (4, 82062), (8, 82161),

Gene: HyRo_134 Start: 82976, Stop: 83122, Start Num: 3
Candidate Starts for HyRo_134:
(Start: 3 @82976 has 167 MA's), (4, 82997), (8, 83096),

Gene: I3_147 Start: 84107, Stop: 84253, Start Num: 3
Candidate Starts for I3_147:
(Start: 3 @84107 has 167 MA's), (4, 84128), (8, 84227),

Gene: IkeLoa_136 Start: 82527, Stop: 82673, Start Num: 3
Candidate Starts for IkeLoa_136:
(Start: 3 @82527 has 167 MA's), (4, 82548), (8, 82647),

Gene: InigoMontoya_145 Start: 82590, Stop: 82736, Start Num: 3
Candidate Starts for InigoMontoya_145:

(Start: 3 @82590 has 167 MA's), (4, 82611), (8, 82710),

Gene: InterFolia_148 Start: 84952, Stop: 85098, Start Num: 3

Candidate Starts for InterFolia_148:

(Start: 3 @84952 has 167 MA's), (4, 84973), (7, 85069), (8, 85072),

Gene: Iota_137 Start: 82578, Stop: 82724, Start Num: 3

Candidate Starts for Iota_137:

(Start: 3 @82578 has 167 MA's), (4, 82599), (8, 82698),

Gene: Issimir_141 Start: 83586, Stop: 83732, Start Num: 3

Candidate Starts for Issimir_141:

(Start: 3 @83586 has 167 MA's), (4, 83607), (8, 83706),

Gene: Izajani_142 Start: 83792, Stop: 83938, Start Num: 3

Candidate Starts for Izajani_142:

(Start: 3 @83792 has 167 MA's), (4, 83813), (8, 83912),

Gene: JPickles_139 Start: 81381, Stop: 81527, Start Num: 3

Candidate Starts for JPickles_139:

(Start: 3 @81381 has 167 MA's), (4, 81402), (8, 81501),

Gene: Janiyra_145 Start: 83556, Stop: 83702, Start Num: 3

Candidate Starts for Janiyra_145:

(Start: 3 @83556 has 167 MA's), (4, 83577), (8, 83676),

Gene: JayJay_142 Start: 84587, Stop: 84733, Start Num: 3

Candidate Starts for JayJay_142:

(Start: 3 @84587 has 167 MA's), (4, 84608), (8, 84707),

Gene: Jaygup_142 Start: 82906, Stop: 83052, Start Num: 3

Candidate Starts for Jaygup_142:

(Start: 3 @82906 has 167 MA's), (4, 82927), (8, 83026),

Gene: Jedediah_145 Start: 83439, Stop: 83585, Start Num: 3

Candidate Starts for Jedediah_145:

(Start: 3 @83439 has 167 MA's), (4, 83460), (8, 83559),

Gene: Jemmno_142 Start: 82886, Stop: 83032, Start Num: 3

Candidate Starts for Jemmno_142:

(Start: 3 @82886 has 167 MA's), (4, 82907), (8, 83006),

Gene: Jessibeth14_142 Start: 83822, Stop: 83968, Start Num: 3

Candidate Starts for Jessibeth14_142:

(Start: 3 @83822 has 167 MA's), (4, 83843), (8, 83942),

Gene: JulietS_137 Start: 80773, Stop: 80919, Start Num: 3

Candidate Starts for JulietS_137:

(Start: 3 @80773 has 167 MA's), (4, 80794), (8, 80893),

Gene: JustHall_140 Start: 83414, Stop: 83560, Start Num: 3

Candidate Starts for JustHall_140:

(Start: 3 @83414 has 167 MA's), (4, 83435), (8, 83534),

Gene: Kamryn_142 Start: 84224, Stop: 84370, Start Num: 3
Candidate Starts for Kamryn_142:
(Start: 3 @84224 has 167 MA's), (4, 84245), (8, 84344),

Gene: Kboogie_146 Start: 82579, Stop: 82725, Start Num: 3
Candidate Starts for Kboogie_146:
(Start: 3 @82579 has 167 MA's), (4, 82600), (8, 82699),

Gene: Khaleesi_141 Start: 83521, Stop: 83667, Start Num: 3
Candidate Starts for Khaleesi_141:
(Start: 3 @83521 has 167 MA's), (4, 83542), (8, 83641),

Gene: Koguma_140 Start: 81460, Stop: 81606, Start Num: 3
Candidate Starts for Koguma_140:
(Start: 3 @81460 has 167 MA's), (4, 81481), (8, 81580),

Gene: LRRHood_136 Start: 83268, Stop: 83414, Start Num: 3
Candidate Starts for LRRHood_136:
(Start: 3 @83268 has 167 MA's), (4, 83289), (8, 83388),

Gene: Latch_143 Start: 82629, Stop: 82775, Start Num: 3
Candidate Starts for Latch_143:
(Start: 3 @82629 has 167 MA's), (4, 82650), (8, 82749),

Gene: Lee7_140 Start: 84146, Stop: 84292, Start Num: 3
Candidate Starts for Lee7_140:
(Start: 3 @84146 has 167 MA's), (4, 84167), (8, 84266),

Gene: LifeSavor_140 Start: 82838, Stop: 82984, Start Num: 3
Candidate Starts for LifeSavor_140:
(Start: 3 @82838 has 167 MA's), (4, 82859), (8, 82958),

Gene: LinStu_140 Start: 83473, Stop: 83619, Start Num: 3
Candidate Starts for LinStu_140:
(Start: 3 @83473 has 167 MA's), (4, 83494), (8, 83593),

Gene: Littleton_142 Start: 82958, Stop: 83104, Start Num: 3
Candidate Starts for Littleton_142:
(Start: 3 @82958 has 167 MA's), (4, 82979), (8, 83078),

Gene: Loanshark_141 Start: 83489, Stop: 83635, Start Num: 3
Candidate Starts for Loanshark_141:
(Start: 3 @83489 has 167 MA's), (4, 83510), (8, 83609),

Gene: LolaVinca_143 Start: 84236, Stop: 84382, Start Num: 3
Candidate Starts for LolaVinca_143:
(Start: 3 @84236 has 167 MA's), (4, 84257), (8, 84356),

Gene: LordLeafolot_146 Start: 84798, Stop: 84944, Start Num: 3
Candidate Starts for LordLeafolot_146:
(Start: 3 @84798 has 167 MA's), (4, 84819), (8, 84918),

Gene: Lukilu_133 Start: 84278, Stop: 84424, Start Num: 3
Candidate Starts for Lukilu_133:
(Start: 3 @84278 has 167 MA's), (4, 84299), (8, 84398),

Gene: Maby2021_142 Start: 83606, Stop: 83752, Start Num: 3
Candidate Starts for Maby2021_142:
(Start: 3 @83606 has 167 MA's), (4, 83627), (8, 83726),

Gene: Mangeria_143 Start: 84079, Stop: 84225, Start Num: 3
Candidate Starts for Mangeria_143:
(Start: 3 @84079 has 167 MA's), (4, 84100), (8, 84199),

Gene: Matsumoto_139 Start: 82466, Stop: 82612, Start Num: 3
Candidate Starts for Matsumoto_139:
(Start: 3 @82466 has 167 MA's), (4, 82487), (8, 82586),

Gene: McGee_144 Start: 82220, Stop: 82366, Start Num: 3
Candidate Starts for McGee_144:
(Start: 3 @82220 has 167 MA's), (4, 82241), (8, 82340),

Gene: McWolfish_140 Start: 83394, Stop: 83540, Start Num: 3
Candidate Starts for McWolfish_140:
(Start: 3 @83394 has 167 MA's), (4, 83415), (8, 83514),

Gene: Megamind_141 Start: 83279, Stop: 83425, Start Num: 3
Candidate Starts for Megamind_141:
(Start: 3 @83279 has 167 MA's), (4, 83300), (8, 83399),

Gene: Melpomini_136 Start: 80744, Stop: 80890, Start Num: 3
Candidate Starts for Melpomini_136:
(Start: 3 @80744 has 167 MA's), (4, 80765), (8, 80864),

Gene: MikeLiesIn_144 Start: 84039, Stop: 84185, Start Num: 3
Candidate Starts for MikeLiesIn_144:
(Start: 3 @84039 has 167 MA's), (4, 84060), (8, 84159),

Gene: Mikro_139 Start: 84848, Stop: 84994, Start Num: 3
Candidate Starts for Mikro_139:
(Start: 3 @84848 has 167 MA's), (4, 84869), (8, 84968),

Gene: MoMoMixon_142 Start: 83111, Stop: 83257, Start Num: 3
Candidate Starts for MoMoMixon_142:
(Start: 3 @83111 has 167 MA's), (4, 83132), (8, 83231),

Gene: Momo_142 Start: 82629, Stop: 82775, Start Num: 3
Candidate Starts for Momo_142:
(Start: 3 @82629 has 167 MA's), (4, 82650), (8, 82749),

Gene: Morizzled23_143 Start: 82984, Stop: 83130, Start Num: 3
Candidate Starts for Morizzled23_143:
(Start: 3 @82984 has 167 MA's), (4, 83005), (8, 83104),

Gene: Naija_142 Start: 82629, Stop: 82775, Start Num: 3

Candidate Starts for Naija_142:
(Start: 3 @82629 has 167 MA's), (4, 82650), (8, 82749),

Gene: Napoleon13_138 Start: 81182, Stop: 81328, Start Num: 3
Candidate Starts for Napoleon13_138:
(Start: 3 @81182 has 167 MA's), (4, 81203), (8, 81302),

Gene: Nappy_144 Start: 84545, Stop: 84691, Start Num: 3
Candidate Starts for Nappy_144:
(Start: 3 @84545 has 167 MA's), (4, 84566), (8, 84665),

Gene: Naval22_147 Start: 85078, Stop: 85224, Start Num: 3
Candidate Starts for Naval22_147:
(Start: 3 @85078 has 167 MA's), (4, 85099), (8, 85198),

Gene: NedWong_143 Start: 83613, Stop: 83759, Start Num: 3
Candidate Starts for NedWong_143:
(Start: 3 @83613 has 167 MA's), (4, 83634), (8, 83733),

Gene: Ngannou_139 Start: 81611, Stop: 81757, Start Num: 3
Candidate Starts for Ngannou_139:
(Start: 3 @81611 has 167 MA's), (4, 81632), (8, 81731),

Gene: Nidhogg_144 Start: 83835, Stop: 83981, Start Num: 3
Candidate Starts for Nidhogg_144:
(Start: 3 @83835 has 167 MA's), (4, 83856), (8, 83955),

Gene: NoodleTree_149 Start: 83705, Stop: 83851, Start Num: 3
Candidate Starts for NoodleTree_149:
(Start: 3 @83705 has 167 MA's), (4, 83726), (8, 83825),

Gene: Norm_143 Start: 84307, Stop: 84453, Start Num: 3
Candidate Starts for Norm_143:
(Start: 3 @84307 has 167 MA's), (4, 84328), (8, 84427),

Gene: NuevoMundo_147 Start: 85887, Stop: 86033, Start Num: 3
Candidate Starts for NuevoMundo_147:
(Start: 3 @85887 has 167 MA's), (4, 85908), (8, 86007),

Gene: ParkTD_143 Start: 83618, Stop: 83764, Start Num: 3
Candidate Starts for ParkTD_143:
(Start: 3 @83618 has 167 MA's), (4, 83639), (8, 83738),

Gene: Patter_143 Start: 82646, Stop: 82792, Start Num: 3
Candidate Starts for Patter_143:
(Start: 3 @82646 has 167 MA's), (4, 82667), (8, 82766),

Gene: Phlegm_146 Start: 82629, Stop: 82775, Start Num: 3
Candidate Starts for Phlegm_146:
(Start: 3 @82629 has 167 MA's), (4, 82650), (8, 82749),

Gene: Phox_140 Start: 84302, Stop: 84448, Start Num: 3
Candidate Starts for Phox_140:

(Start: 3 @84302 has 167 MA's), (4, 84323), (8, 84422),

Gene: Phusco_142 Start: 82905, Stop: 83051, Start Num: 3

Candidate Starts for Phusco_142:

(Start: 3 @82905 has 167 MA's), (4, 82926), (8, 83025),

Gene: Pier_146 Start: 85895, Stop: 86041, Start Num: 3

Candidate Starts for Pier_146:

(Start: 3 @85895 has 167 MA's), (4, 85916), (8, 86015),

Gene: Pinkcreek_133 Start: 81239, Stop: 81385, Start Num: 3

Candidate Starts for Pinkcreek_133:

(Start: 3 @81239 has 167 MA's), (4, 81260), (8, 81359),

Gene: Pio_147 Start: 85911, Stop: 86057, Start Num: 3

Candidate Starts for Pio_147:

(Start: 3 @85911 has 167 MA's), (4, 85932), (8, 86031),

Gene: Pivoine_142 Start: 82629, Stop: 82775, Start Num: 3

Candidate Starts for Pivoine_142:

(Start: 3 @82629 has 167 MA's), (4, 82650), (8, 82749),

Gene: Pleione_145 Start: 83785, Stop: 83931, Start Num: 3

Candidate Starts for Pleione_145:

(Start: 3 @83785 has 167 MA's), (4, 83806), (8, 83905),

Gene: PurduePete_142 Start: 84032, Stop: 84178, Start Num: 3

Candidate Starts for PurduePete_142:

(Start: 3 @84032 has 167 MA's), (4, 84053), (8, 84152),

Gene: QBert_136 Start: 82622, Stop: 82768, Start Num: 3

Candidate Starts for QBert_136:

(Start: 3 @82622 has 167 MA's), (4, 82643), (8, 82742),

Gene: Quasimodo_144 Start: 84046, Stop: 84192, Start Num: 3

Candidate Starts for Quasimodo_144:

(Start: 3 @84046 has 167 MA's), (4, 84067), (8, 84166),

Gene: Rabinovish_142 Start: 84634, Stop: 84780, Start Num: 3

Candidate Starts for Rabinovish_142:

(Start: 3 @84634 has 167 MA's), (4, 84655), (8, 84754),

Gene: Rahel_141 Start: 82507, Stop: 82653, Start Num: 3

Candidate Starts for Rahel_141:

(Start: 3 @82507 has 167 MA's), (4, 82528), (8, 82627),

Gene: Rizal_137 Start: 81655, Stop: 81801, Start Num: 3

Candidate Starts for Rizal_137:

(Start: 3 @81655 has 167 MA's), (4, 81676), (8, 81775),

Gene: RoMag_137 Start: 82819, Stop: 82965, Start Num: 3

Candidate Starts for RoMag_137:

(Start: 3 @82819 has 167 MA's), (4, 82840), (8, 82939),

Gene: Ronan_136 Start: 80768, Stop: 80914, Start Num: 3

Candidate Starts for Ronan_136:

(Start: 3 @80768 has 167 MA's), (4, 80789), (8, 80888),

Gene: Roots515_141 Start: 84284, Stop: 84430, Start Num: 3

Candidate Starts for Roots515_141:

(Start: 3 @84284 has 167 MA's), (4, 84305), (8, 84404),

Gene: Salacia_146 Start: 83946, Stop: 84092, Start Num: 3

Candidate Starts for Salacia_146:

(Start: 3 @83946 has 167 MA's), (4, 83967), (8, 84066),

Gene: Sauce_142 Start: 82562, Stop: 82708, Start Num: 3

Candidate Starts for Sauce_142:

(Start: 3 @82562 has 167 MA's), (4, 82583), (7, 82679), (8, 82682),

Gene: ScottMcG_138 Start: 82568, Stop: 82714, Start Num: 3

Candidate Starts for ScottMcG_138:

(Start: 3 @82568 has 167 MA's), (4, 82589), (8, 82688),

Gene: Sebata_142 Start: 84031, Stop: 84177, Start Num: 3

Candidate Starts for Sebata_142:

(Start: 3 @84031 has 167 MA's), (4, 84052), (8, 84151),

Gene: Shaqnato_136 Start: 82016, Stop: 82162, Start Num: 3

Candidate Starts for Shaqnato_136:

(Start: 3 @82016 has 167 MA's), (4, 82037), (8, 82136),

Gene: Shelob_145 Start: 84818, Stop: 84964, Start Num: 3

Candidate Starts for Shelob_145:

(Start: 3 @84818 has 167 MA's), (4, 84839), (8, 84938),

Gene: ShiaLabeouf_141 Start: 82942, Stop: 83088, Start Num: 3

Candidate Starts for ShiaLabeouf_141:

(Start: 3 @82942 has 167 MA's), (4, 82963), (8, 83062),

Gene: Shifa_132 Start: 82242, Stop: 82388, Start Num: 3

Candidate Starts for Shifa_132:

(Start: 3 @82242 has 167 MA's), (4, 82263), (8, 82362),

Gene: Shnickers_142 Start: 82906, Stop: 83052, Start Num: 3

Candidate Starts for Shnickers_142:

(Start: 3 @82906 has 167 MA's), (4, 82927), (8, 83026),

Gene: Shrimp_142 Start: 83625, Stop: 83771, Start Num: 3

Candidate Starts for Shrimp_142:

(Start: 3 @83625 has 167 MA's), (4, 83646), (8, 83745),

Gene: SilverDipper_144 Start: 82629, Stop: 82775, Start Num: 3

Candidate Starts for SilverDipper_144:

(Start: 3 @82629 has 167 MA's), (4, 82650), (8, 82749),

Gene: SmallFry_142 Start: 82131, Stop: 82277, Start Num: 3
Candidate Starts for SmallFry_142:
(Start: 3 @82131 has 167 MA's), (4, 82152), (8, 82251),

Gene: Spec_138 Start: 82671, Stop: 82817, Start Num: 3
Candidate Starts for Spec_138:
(Start: 3 @82671 has 167 MA's), (4, 82692), (8, 82791),

Gene: Specks_147 Start: 84796, Stop: 84942, Start Num: 3
Candidate Starts for Specks_147:
(Start: 3 @84796 has 167 MA's), (4, 84817), (8, 84916),

Gene: Sprinklers_138 Start: 82187, Stop: 82333, Start Num: 3
Candidate Starts for Sprinklers_138:
(Start: 3 @82187 has 167 MA's), (4, 82208), (8, 82307),

Gene: Spud_141 Start: 83692, Stop: 83838, Start Num: 3
Candidate Starts for Spud_141:
(Start: 3 @83692 has 167 MA's), (4, 83713), (8, 83812),

Gene: SrishMeg2525_141 Start: 83715, Stop: 83861, Start Num: 3
Candidate Starts for SrishMeg2525_141:
(Start: 3 @83715 has 167 MA's), (4, 83736), (8, 83835),

Gene: StephanieG_140 Start: 84524, Stop: 84670, Start Num: 3
Candidate Starts for StephanieG_140:
(Start: 3 @84524 has 167 MA's), (4, 84545), (8, 84644),

Gene: Stubby_135 Start: 82154, Stop: 82300, Start Num: 3
Candidate Starts for Stubby_135:
(Start: 3 @82154 has 167 MA's), (4, 82175), (8, 82274),

Gene: StubbySaigey_146 Start: 82789, Stop: 82935, Start Num: 3
Candidate Starts for StubbySaigey_146:
(Start: 3 @82789 has 167 MA's), (4, 82810), (8, 82909),

Gene: Teardrop_142 Start: 82524, Stop: 82670, Start Num: 3
Candidate Starts for Teardrop_142:
(Start: 3 @82524 has 167 MA's), (4, 82545), (8, 82644),

Gene: TinyTim_142 Start: 83372, Stop: 83518, Start Num: 3
Candidate Starts for TinyTim_142:
(Start: 3 @83372 has 167 MA's), (4, 83393), (8, 83492),

Gene: Tonenili_155 Start: 86171, Stop: 86326, Start Num: 3
Candidate Starts for Tonenili_155:
(1, 86081), (2, 86087), (Start: 3 @86171 has 167 MA's), (4, 86192), (5, 86234), (8, 86291),

Gene: Tortoise16_139 Start: 82731, Stop: 82877, Start Num: 3
Candidate Starts for Tortoise16_139:
(Start: 3 @82731 has 167 MA's), (4, 82752), (8, 82851),

Gene: Trinitium_140 Start: 82555, Stop: 82701, Start Num: 3

Candidate Starts for Trinitium_140:
(Start: 3 @82555 has 167 MA's), (4, 82576), (8, 82675),

Gene: Turret_138 Start: 82000, Stop: 82146, Start Num: 3
Candidate Starts for Turret_138:
(Start: 3 @82000 has 167 MA's), (4, 82021), (8, 82120),

Gene: Tyke_142 Start: 84027, Stop: 84173, Start Num: 3
Candidate Starts for Tyke_142:
(Start: 3 @84027 has 167 MA's), (4, 84048), (8, 84147),

Gene: ValleyTerrace_143 Start: 82629, Stop: 82775, Start Num: 3
Candidate Starts for ValleyTerrace_143:
(Start: 3 @82629 has 167 MA's), (4, 82650), (8, 82749),

Gene: Wally_141 Start: 82150, Stop: 82296, Start Num: 3
Candidate Starts for Wally_141:
(Start: 3 @82150 has 167 MA's), (4, 82171), (8, 82270),

Gene: Willis_143 Start: 83517, Stop: 83663, Start Num: 3
Candidate Starts for Willis_143:
(Start: 3 @83517 has 167 MA's), (4, 83538), (8, 83637),

Gene: Yassified_139 Start: 82227, Stop: 82373, Start Num: 3
Candidate Starts for Yassified_139:
(Start: 3 @82227 has 167 MA's), (4, 82248), (8, 82347),

Gene: YemiJoy2021_143 Start: 83610, Stop: 83756, Start Num: 3
Candidate Starts for YemiJoy2021_143:
(Start: 3 @83610 has 167 MA's), (4, 83631), (8, 83730),

Gene: YoungMoneyMata_144 Start: 83255, Stop: 83401, Start Num: 3
Candidate Starts for YoungMoneyMata_144:
(Start: 3 @83255 has 167 MA's), (4, 83276), (8, 83375),

Gene: Yucca_141 Start: 83292, Stop: 83438, Start Num: 3
Candidate Starts for Yucca_141:
(Start: 3 @83292 has 167 MA's), (4, 83313), (8, 83412),

Gene: Zalkecks_143 Start: 83293, Stop: 83439, Start Num: 3
Candidate Starts for Zalkecks_143:
(Start: 3 @83293 has 167 MA's), (4, 83314), (8, 83413),

Gene: Zeenon_143 Start: 83378, Stop: 83524, Start Num: 3
Candidate Starts for Zeenon_143:
(Start: 3 @83378 has 167 MA's), (4, 83399), (8, 83498),

Gene: ZygoTaiga_140 Start: 84537, Stop: 84683, Start Num: 3
Candidate Starts for ZygoTaiga_140:
(Start: 3 @84537 has 167 MA's), (4, 84558), (8, 84657),