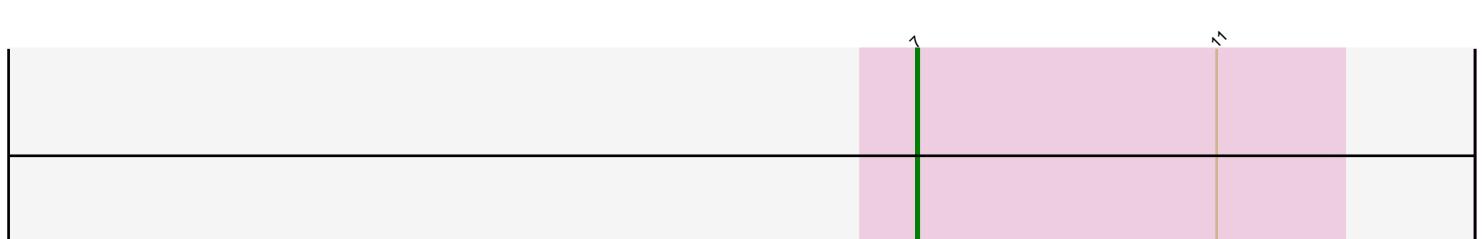


Pham 84962



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 84962 Report

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

Pham number 84962 has 176 members, 14 are drafts.

Phages represented in each track:

- Track 1 : Settecandela_26, Phrappuccino_26
- Track 2 : Zeenon_153, Catera_148, Basquiat_149, Flabslab_148, Jaygup_152, Blubba_145, Bipolarisk_151, Janiyra_156, Jemmno_152, Latch_153, Capablanca_156, Phlegm_157, JulietS_147, Atlantean_152, Lukilu_143, Shnickers_152, Ngannou_149, Bread_151, Jedediah_155, Kamryn_152, Blackbrain_149, Morizzled23_153, Norm_153, Ava3_153, JustHall_150, Audrick_156, Phox_150, BeanWater_144, Phusco_152, ParkTD_153, Guwapp_151, Zalkecks_153, Adlitam_153, Megamind_151, McWolfish_150, FudgeTart_150, Cane17_144, Tyke_153, NoodleTree_159, Chargie21_149, Izajani_152, Rizal_147, Asterius_149, Chomp_151, YoungMoneyMata_154, IkeLoa_146, Concombre_158, JPickles_149, Cactojaque_149, ScottMcG_148, SilverDipper_155, Dandelion_158, LinStu_150, PurduePete_152, Bonray_153, Babyland_155, Lee7_150, Daffodil_157, Khaleesi_151, BadAgartude_148, Gamgam_153, Amataga_153, ValleyTerrace_153, Patter_153, Rabinovish_152, Naija_153, LRRHood_146, Willis_153, ShiaLabeouf_151, NedWong_153, CindyLou_155, YemiJoy2021_153, CharlieB_150, Pivoine_153, Jessibeth14_152, Delylah_155, StubbySaigey_156, Ghost_152, SrishMeg2525_151, Sebata_153, Yassified_149, Derek_151, Sprinklers_148, InigoMontoya_156, Iota_147, EasyJones_156, Shaqnato_146, Quasimodo_155, Spec_148, LolaVinca_153, Mikro_149, Spud_151, Trinitium_151, StephanieG_150, Cali_148, RoMag_148, BackyardAgain_149, Yucca_151, Napoleon13_149, Maby2021_152, DrPhinkDaddy_151, Ading_153, TinyTim_152, Zygotaiga_150, Wally_151, Momo_152
- Track 3 : MikeLiesln_154, Shifa_142, Sauce_152, Specks_157, SmallFry_153, ET08_140, EmToTheThree_154, Turret_149, FrayBell_157, EmmaElysia_153, McGee_155, LifeSavor_150, Nidhogg_154, Teardrop_152, Pleione_155, Fludd_155, Darko_152, ChaylaJr_149, FoxtrotP1_152, Dietrick_145, LordLeafolot_156, Naval22_157, Ewok_154, Matsumoto_150, InterFolia_158, Issimir_151, Melompmini_147, Kboogie_156, ErnieJ_147, Koguma_150, Loanshark_151, BananaFence_151, Caravan_146, Essence_149, Astraea_148, JayJay_152, ChickenPhender_150, Delilah_152, DirtMonster_147, Gizmo_157, Grungle_139, QBert_146, MoMoMixon_152
- Track 4 : Nappy_154, Tortoise16_149, Pio_157, BigCity_160, Gabriel_152, Bxz1_150, Bangla1971_153, Burrough_153, Drazdys_150, I3_157, DTDevon_153, Breeniome_152, ArcherS7_151, Littleton_152, EggyFarm_160, Roots515_151, Bigswole_155, Tonenili_167, Rahel_151, Shrimp_152, Mangeria_153, Colt_144, Erdmann_152
- Track 5 : NuevoMundo_157

- Track 6 : Pier_156

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

The start number called the most often in the published annotations is 7, it was called in 160 of the 162 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_153, Adlitam_153, Amataga_153, ArcherS7_151, Asterius_149, Astraea_148, Atlantean_152, Audrick_156, Ava3_153, Babyland_155, BackyardAgain_149, BadAgartude_148, BananaFence_151, Bangla1971_153, Basquiat_149, BeanWater_144, BigCity_160, Bigswole_155, Bipolarisk_151, Blackbrain_149, Blubba_145, Bonray_153, Bread_151, Breenieme_152, Burrough_153, Bxz1_150, Cactojaque_149, Cali_148, Cane17_144, Capablanca_156, Caravan_146, Catera_148, Charge21_149, CharlieB_150, ChaylaJr_149, ChickenPhender_150, Chomp_151, CindyLou_155, Colt_144, Concombre_158, DTDevon_153, Daffodil_157, Dandelion_158, Darko_152, Delilah_152, Delylah_155, Derek_151, Dietrick_145, DirtMonster_147, DrPhinkDaddy_151, Drazdys_150, ET08_140, EasyJones_156, EggyFarm_160, EmToTheThree_154, EmmaElysia_153, Erdmann_152, ErnieJ_147, Essence_149, Ewok_154, Flabslab_148, Fludd_155, FoxtrotP1_152, FrayBell_157, FudgeTart_150, Gabriel_152, Gamgam_153, Ghost_152, Gizmo_157, Grungle_139, Guwapp_151, I3_157, IkeLoa_146, InigoMontoya_156, InterFolia_158, Iota_147, Issimir_151, Izajani_152, JPickles_149, Janiyra_156, JayJay_152, Jaygup_152, Jedediah_155, Jemmno_152, Jessibeth14_152, JulietS_147, JustHall_150, Kamryn_152, Kboogie_156, Khaleesi_151, Koguma_150, LRRHood_146, Latch_153, Lee7_150, LifeSavor_150, LinStu_150, Littleton_152, Loanshark_151, LolaVinca_153, LordLeafolot_156, Lukilu_143, Maby2021_152, Mangeria_153, Matsumoto_150, McGee_155, McWolfish_150, Megamind_151, Melpomini_147, MikeLiesIn_154, Mikro_149, MoMoMixon_152, Momo_152, Morizzled23_153, Naija_153, Napoleon13_149, Nappy_154, Naval22_157, NedWong_153, Ngannou_149, Nidhogg_154, NoodleTree_159, Norm_153, NuevoMundo_157, ParkTD_153, Patter_153, Phlegm_157, Phox_150, Phusco_152, Pier_156, Pio_157, Pivoine_153, Pleione_155, PurduePete_152, QBert_146, Quasimodo_155, Rabinovish_152, Rahel_151, Rizal_147, RoMag_148, Roots515_151, Sauce_152, ScottMcG_148, Sebata_153, Shaqnato_146, ShiaLabeouf_151, Shifa_142, Shnickers_152, Shrimp_152, SilverDipper_155, SmallFry_153, Spec_148, Specks_157, Sprinklers_148, Spud_151, SrishMeg2525_151, StephanieG_150, StubbySaigey_156, Teardrop_152, TinyTim_152, Tonenili_167, Tortoise16_149, Trinitium_151, Turret_149, Tyke_153, ValleyTerrace_153, Wally_151, Willis_153, Yassified_149, YemiJoy2021_153, YoungMoneyMata_154, Yucca_151, Zalkecks_153, Zeenon_153, ZygoTaiga_150,

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

- Phrappuccino_26, Settecandela_26,

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

-

Summary by start number:

Start 6:

- Found in 2 of 176 (1.1%) of genes in pham
- Manual Annotations of this start: 2 of 162
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phrappuccino_26 (AA), Settecandela_26 (AA),

Start 7:

- Found in 176 of 176 (100.0%) of genes in pham
- Manual Annotations of this start: 160 of 162
- Called 98.9% of time when present
- Phage (with cluster) where this start called: Ading_153 (C1), Adlitam_153 (C1), Amataga_153 (C1), ArcherS7_151 (C1), Asterius_149 (C1), Astraea_148 (C1), Atlantean_152 (C1), Audrick_156 (C1), Ava3_153 (C1), Babyland_155 (C1), BackyardAgain_149 (C1), BadAgartude_148 (C1), BananaFence_151 (C1), Bangla1971_153 (C1), Basquiat_149 (C1), BeanWater_144 (C1), BigCity_160 (C1), Bigswole_155 (C1), Bipolarisk_151 (C1), Blackbrain_149 (C1), Blubba_145 (C1), Bonray_153 (C1), Bread_151 (C1), Breeniome_152 (C1), Burrough_153 (C1), Bxz1_150 (C1), Cactojaque_149 (C1), Cali_148 (C1), Cane17_144 (C1), Capablanca_156 (C1), Caravan_146 (C1), Catera_148 (C1), Charge21_149 (C1), CharlieB_150 (C1), ChaylaJr_149 (C1), ChickenPhender_150 (C1), Chomp_151 (C1), CindyLou_155 (C1), Colt_144 (C1), Concombre_158 (C1), DTDevon_153 (C1), Daffodil_157 (C1), Dandelion_158 (C1), Darko_152 (C1), Delilah_152 (C1), Delylah_155 (C1), Derek_151 (C1), Dietrick_145 (C1), DirtMonster_147 (C1), DrPhinkDaddy_151 (C1), Drazdys_150 (C1), ET08_140 (C1), EasyJones_156 (C1), EggyFarm_160 (C1), EmToTheThree_154 (C1), EmmaElysia_153 (C1), Erdmann_152 (C1), ErnieJ_147 (C1), Essence_149 (C1), Ewok_154 (C1), Flabslab_148 (C1), Fludd_155 (C1), FoxtrotP1_152 (C1), FrayBell_157 (C1), FudgeTart_150 (C1), Gabriel_152 (C1), Gamgam_153 (C1), Ghost_152 (C1), Gizmo_157 (C1), Grungle_139 (C1), Guwapp_151 (C1), I3_157 (C1), IkeLoa_146 (C1), InigoMontoya_156 (C1), InterFolia_158 (C1), Iota_147 (C1), Issimir_151 (C1), Izajani_152 (C1), JPickles_149 (C1), Janiyra_156 (C1), JayJay_152 (C1), Jaygup_152 (C1), Jedediah_155 (C1), Jemmno_152 (C1), Jessibeth14_152 (C1), JulietS_147 (C1), JustHall_150 (C1), Kamryn_152 (C1), Kboogie_156 (C1), Khaleesi_151 (C1), Koguma_150 (C1), LRRHood_146 (C1), Latch_153 (C1), Lee7_150 (C1), LifeSavor_150 (C1), LinStu_150 (C1), Littleton_152 (C1), Loanshark_151 (C1), LolaVinca_153 (C1), LordLeafolot_156 (C1), Lukilu_143 (C1), Maby2021_152 (C1), Mangeria_153 (C1), Matsumoto_150 (C1), McGee_155 (C1), McWolfish_150 (C1), Megamind_151 (C1), Melpomini_147 (C1), MikeLiesln_154 (C1), Mikro_149 (C1), MoMoMixon_152 (C1), Momo_152 (C1), Morizzled23_153 (C1), Naija_153 (C1), Napoleon13_149 (C1), Nappy_154 (C1), Naval22_157 (C1), NedWong_153 (C1), Ngannou_149 (C1), Nidhogg_154 (C1), NoodleTree_159 (C1), Norm_153 (C1), NuevoMundo_157 (C1), ParkTD_153 (C1), Patter_153 (C1), Phlegm_157 (C1), Phox_150 (C1), Phusco_152 (C1), Pier_156 (C1), Pio_157 (C1), Pivoine_153 (C1), Pleione_155 (C1), PurduePete_152 (C1), QBert_146 (C1), Quasimodo_155 (C1), Rabinovish_152 (C1), Rahel_151 (C1), Rizal_147 (C1), RoMag_148 (C1), Roots515_151 (C1), Sauce_152 (C1), ScottMcG_148 (C1), Sebata_153 (C1), Shaqnato_146 (C1), ShiaLabeouf_151 (C1), Shifa_142 (C1), Shnickers_152 (C1), Shrimp_152 (C1), SilverDipper_155 (C1), SmallFry_153 (C1), Spec_148 (C1), Specks_157 (C1), Sprinklers_148 (C1), Spud_151 (C1), SrishMeg2525_151 (C1), StephanieG_150 (C1), StubbySaigey_156 (C1), Teardrop_152 (C1), TinyTim_152 (C1), Tonenili_167 (C1), Tortoise16_149 (C1),

Trinitium_151 (C1), Turret_149 (C1), Tyke_153 (C1), ValleyTerrace_153 (C1), Wally_151 (C1), Willis_153 (C1), Yassified_149 (C1), YemiJoy2021_153 (C1), YoungMoneyMata_154 (C1), Yucca_151 (C1), Zalkecks_153 (C1), Zeenon_153 (C1), ZygoTaiga_150 (C1),

Summary by clusters:

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

Info for manual annotations of cluster AA:

- Start number 6 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster C1:

- Start number 7 was manually annotated 160 times for cluster C1.

Gene Information:

Gene: Ading_153 Start: 91281, Stop: 91511, Start Num: 7

Candidate Starts for Ading_153:

(Start: 7 @91281 has 160 MA's), (11, 91410), (13, 91491), (14, 91500),

Gene: Adlitam_153 Start: 91178, Stop: 91408, Start Num: 7

Candidate Starts for Adlitam_153:

(Start: 7 @91178 has 160 MA's), (11, 91307), (13, 91388), (14, 91397),

Gene: Amataga_153 Start: 90319, Stop: 90549, Start Num: 7

Candidate Starts for Amataga_153:

(Start: 7 @90319 has 160 MA's), (11, 90448), (13, 90529), (14, 90538),

Gene: ArcherS7_151 Start: 90158, Stop: 90376, Start Num: 7

Candidate Starts for ArcherS7_151:

(Start: 7 @90158 has 160 MA's), (8, 90233), (10, 90266), (12, 90296),

Gene: Asterius_149 Start: 90886, Stop: 91116, Start Num: 7

Candidate Starts for Asterius_149:

(Start: 7 @90886 has 160 MA's), (11, 91015), (13, 91096), (14, 91105),

Gene: Astraea_148 Start: 89721, Stop: 89951, Start Num: 7

Candidate Starts for Astraea_148:

(Start: 7 @89721 has 160 MA's), (11, 89850), (14, 89940),

Gene: Atlantean_152 Start: 90319, Stop: 90549, Start Num: 7

Candidate Starts for Atlantean_152:

(Start: 7 @90319 has 160 MA's), (11, 90448), (13, 90529), (14, 90538),

Gene: Audrick_156 Start: 91001, Stop: 91231, Start Num: 7

Candidate Starts for Audrick_156:

(Start: 7 @91001 has 160 MA's), (11, 91130), (13, 91211), (14, 91220),

Gene: Ava3_153 Start: 90794, Stop: 91024, Start Num: 7

Candidate Starts for Ava3_153:

(Start: 7 @90794 has 160 MA's), (11, 90923), (13, 91004), (14, 91013),

Gene: Babyland_155 Start: 91096, Stop: 91326, Start Num: 7

Candidate Starts for Babyland_155:

(Start: 7 @91096 has 160 MA's), (11, 91225), (13, 91306), (14, 91315),

Gene: BackyardAgain_149 Start: 89797, Stop: 90027, Start Num: 7

Candidate Starts for BackyardAgain_149:

(Start: 7 @89797 has 160 MA's), (11, 89926), (13, 90007), (14, 90016),

Gene: BadAgartude_148 Start: 91149, Stop: 91379, Start Num: 7

Candidate Starts for BadAgartude_148:

(Start: 7 @91149 has 160 MA's), (11, 91278), (13, 91359), (14, 91368),

Gene: BananaFence_151 Start: 91001, Stop: 91231, Start Num: 7

Candidate Starts for BananaFence_151:

(Start: 7 @91001 has 160 MA's), (11, 91130), (14, 91220),

Gene: Bangla1971_153 Start: 90285, Stop: 90503, Start Num: 7

Candidate Starts for Bangla1971_153:

(Start: 7 @90285 has 160 MA's), (8, 90360), (10, 90393), (12, 90423),

Gene: Basquiat_149 Start: 90001, Stop: 90231, Start Num: 7

Candidate Starts for Basquiat_149:

(Start: 7 @90001 has 160 MA's), (11, 90130), (13, 90211), (14, 90220),

Gene: BeanWater_144 Start: 90648, Stop: 90878, Start Num: 7

Candidate Starts for BeanWater_144:

(Start: 7 @90648 has 160 MA's), (11, 90777), (13, 90858), (14, 90867),

Gene: BigCity_160 Start: 93269, Stop: 93487, Start Num: 7

Candidate Starts for BigCity_160:

(Start: 7 @93269 has 160 MA's), (8, 93344), (10, 93377), (12, 93407),

Gene: Bigswole_155 Start: 92551, Stop: 92769, Start Num: 7

Candidate Starts for Bigswole_155:

(Start: 7 @92551 has 160 MA's), (8, 92626), (10, 92659), (12, 92689),

Gene: Bipolarisk_151 Start: 91062, Stop: 91292, Start Num: 7

Candidate Starts for Bipolarisk_151:

(Start: 7 @91062 has 160 MA's), (11, 91191), (13, 91272), (14, 91281),

Gene: Blackbrain_149 Start: 90536, Stop: 90766, Start Num: 7

Candidate Starts for Blackbrain_149:

(Start: 7 @90536 has 160 MA's), (11, 90665), (13, 90746), (14, 90755),

Gene: Blubba_145 Start: 91997, Stop: 92227, Start Num: 7

Candidate Starts for Blubba_145:

(Start: 7 @91997 has 160 MA's), (11, 92126), (13, 92207), (14, 92216),

Gene: Bonray_153 Start: 91651, Stop: 91881, Start Num: 7

Candidate Starts for Bonray_153:

(Start: 7 @91651 has 160 MA's), (11, 91780), (13, 91861), (14, 91870),

Gene: Bread_151 Start: 90934, Stop: 91164, Start Num: 7
Candidate Starts for Bread_151:
(Start: 7 @90934 has 160 MA's), (11, 91063), (13, 91144), (14, 91153),

Gene: Breeniome_152 Start: 89591, Stop: 89809, Start Num: 7
Candidate Starts for Breeniome_152:
(Start: 7 @89591 has 160 MA's), (8, 89666), (10, 89699), (12, 89729),

Gene: Burrough_153 Start: 91742, Stop: 91960, Start Num: 7
Candidate Starts for Burrough_153:
(Start: 7 @91742 has 160 MA's), (8, 91817), (10, 91850), (12, 91880),

Gene: Bxz1_150 Start: 92941, Stop: 93159, Start Num: 7
Candidate Starts for Bxz1_150:
(Start: 7 @92941 has 160 MA's), (8, 93016), (10, 93049), (12, 93079),

Gene: Cactojaque_149 Start: 90643, Stop: 90873, Start Num: 7
Candidate Starts for Cactojaque_149:
(Start: 7 @90643 has 160 MA's), (11, 90772), (13, 90853), (14, 90862),

Gene: Cali_148 Start: 91795, Stop: 92025, Start Num: 7
Candidate Starts for Cali_148:
(Start: 7 @91795 has 160 MA's), (11, 91924), (13, 92005), (14, 92014),

Gene: Cane17_144 Start: 92406, Stop: 92636, Start Num: 7
Candidate Starts for Cane17_144:
(Start: 7 @92406 has 160 MA's), (11, 92535), (13, 92616), (14, 92625),

Gene: Capablanca_156 Start: 92768, Stop: 92998, Start Num: 7
Candidate Starts for Capablanca_156:
(Start: 7 @92768 has 160 MA's), (11, 92897), (13, 92978), (14, 92987),

Gene: Caravan_146 Start: 90697, Stop: 90927, Start Num: 7
Candidate Starts for Caravan_146:
(Start: 7 @90697 has 160 MA's), (11, 90826), (14, 90916),

Gene: Catera_148 Start: 89655, Stop: 89885, Start Num: 7
Candidate Starts for Catera_148:
(Start: 7 @89655 has 160 MA's), (11, 89784), (13, 89865), (14, 89874),

Gene: Chargeie21_149 Start: 90001, Stop: 90231, Start Num: 7
Candidate Starts for Chargeie21_149:
(Start: 7 @90001 has 160 MA's), (11, 90130), (13, 90211), (14, 90220),

Gene: CharlieB_150 Start: 90678, Stop: 90908, Start Num: 7
Candidate Starts for CharlieB_150:
(Start: 7 @90678 has 160 MA's), (11, 90807), (13, 90888), (14, 90897),

Gene: ChaylaJr_149 Start: 90459, Stop: 90689, Start Num: 7
Candidate Starts for ChaylaJr_149:
(Start: 7 @90459 has 160 MA's), (11, 90588), (14, 90678),

Gene: ChickenPhender_150 Start: 90760, Stop: 90990, Start Num: 7

Candidate Starts for ChickenPhender_150:

(Start: 7 @90760 has 160 MA's), (11, 90889), (14, 90979),

Gene: Chomp_151 Start: 91608, Stop: 91838, Start Num: 7

Candidate Starts for Chomp_151:

(Start: 7 @91608 has 160 MA's), (11, 91737), (13, 91818), (14, 91827),

Gene: CindyLou_155 Start: 92351, Stop: 92581, Start Num: 7

Candidate Starts for CindyLou_155:

(Start: 7 @92351 has 160 MA's), (11, 92480), (13, 92561), (14, 92570),

Gene: Colt_144 Start: 92316, Stop: 92534, Start Num: 7

Candidate Starts for Colt_144:

(Start: 7 @92316 has 160 MA's), (8, 92391), (10, 92424), (12, 92454),

Gene: Concombre_158 Start: 93505, Stop: 93735, Start Num: 7

Candidate Starts for Concombre_158:

(Start: 7 @93505 has 160 MA's), (11, 93634), (13, 93715), (14, 93724),

Gene: DTDevon_153 Start: 92073, Stop: 92291, Start Num: 7

Candidate Starts for DTDevon_153:

(Start: 7 @92073 has 160 MA's), (8, 92148), (10, 92181), (12, 92211),

Gene: Daffodil_157 Start: 91362, Stop: 91592, Start Num: 7

Candidate Starts for Daffodil_157:

(Start: 7 @91362 has 160 MA's), (11, 91491), (13, 91572), (14, 91581),

Gene: Dandelion_158 Start: 94338, Stop: 94568, Start Num: 7

Candidate Starts for Dandelion_158:

(Start: 7 @94338 has 160 MA's), (11, 94467), (13, 94548), (14, 94557),

Gene: Darko_152 Start: 91005, Stop: 91235, Start Num: 7

Candidate Starts for Darko_152:

(Start: 7 @91005 has 160 MA's), (11, 91134), (14, 91224),

Gene: Delilah_152 Start: 91465, Stop: 91695, Start Num: 7

Candidate Starts for Delilah_152:

(Start: 7 @91465 has 160 MA's), (11, 91594), (14, 91684),

Gene: Delylah_155 Start: 91055, Stop: 91285, Start Num: 7

Candidate Starts for Delylah_155:

(Start: 7 @91055 has 160 MA's), (11, 91184), (13, 91265), (14, 91274),

Gene: Derek_151 Start: 91034, Stop: 91264, Start Num: 7

Candidate Starts for Derek_151:

(Start: 7 @91034 has 160 MA's), (11, 91163), (13, 91244), (14, 91253),

Gene: Dietrick_145 Start: 89761, Stop: 89991, Start Num: 7

Candidate Starts for Dietrick_145:

(Start: 7 @89761 has 160 MA's), (11, 89890), (14, 89980),

Gene: DirtMonster_147 Start: 91038, Stop: 91268, Start Num: 7

Candidate Starts for DirtMonster_147:
(Start: 7 @91038 has 160 MA's), (11, 91167), (14, 91257),

Gene: DrPhinkDaddy_151 Start: 91579, Stop: 91809, Start Num: 7
Candidate Starts for DrPhinkDaddy_151:
(Start: 7 @91579 has 160 MA's), (11, 91708), (13, 91789), (14, 91798),

Gene: Drazdys_150 Start: 89994, Stop: 90212, Start Num: 7
Candidate Starts for Drazdys_150:
(Start: 7 @89994 has 160 MA's), (8, 90069), (10, 90102), (12, 90132),

Gene: ET08_140 Start: 90035, Stop: 90265, Start Num: 7
Candidate Starts for ET08_140:
(Start: 7 @90035 has 160 MA's), (11, 90164), (14, 90254),

Gene: EasyJones_156 Start: 91305, Stop: 91535, Start Num: 7
Candidate Starts for EasyJones_156:
(Start: 7 @91305 has 160 MA's), (11, 91434), (13, 91515), (14, 91524),

Gene: EggFarm_160 Start: 93269, Stop: 93487, Start Num: 7
Candidate Starts for EggFarm_160:
(Start: 7 @93269 has 160 MA's), (8, 93344), (10, 93377), (12, 93407),

Gene: EmToTheThree_154 Start: 92265, Stop: 92495, Start Num: 7
Candidate Starts for EmToTheThree_154:
(Start: 7 @92265 has 160 MA's), (11, 92394), (14, 92484),

Gene: EmmaElysia_153 Start: 90662, Stop: 90892, Start Num: 7
Candidate Starts for EmmaElysia_153:
(Start: 7 @90662 has 160 MA's), (11, 90791), (14, 90881),

Gene: Erdmann_152 Start: 91312, Stop: 91530, Start Num: 7
Candidate Starts for Erdmann_152:
(Start: 7 @91312 has 160 MA's), (8, 91387), (10, 91420), (12, 91450),

Gene: ErnieJ_147 Start: 90035, Stop: 90265, Start Num: 7
Candidate Starts for ErnieJ_147:
(Start: 7 @90035 has 160 MA's), (11, 90164), (14, 90254),

Gene: Essence_149 Start: 90264, Stop: 90494, Start Num: 7
Candidate Starts for Essence_149:
(Start: 7 @90264 has 160 MA's), (11, 90393), (14, 90483),

Gene: Ewok_154 Start: 91390, Stop: 91620, Start Num: 7
Candidate Starts for Ewok_154:
(Start: 7 @91390 has 160 MA's), (11, 91519), (14, 91609),

Gene: Flabslab_148 Start: 89627, Stop: 89857, Start Num: 7
Candidate Starts for Flabslab_148:
(Start: 7 @89627 has 160 MA's), (11, 89756), (13, 89837), (14, 89846),

Gene: Fludd_155 Start: 91568, Stop: 91798, Start Num: 7
Candidate Starts for Fludd_155:

(Start: 7 @91568 has 160 MA's), (11, 91697), (14, 91787),

Gene: FoxtrotP1_152 Start: 92474, Stop: 92704, Start Num: 7

Candidate Starts for FoxtrotP1_152:

(Start: 7 @92474 has 160 MA's), (11, 92603), (14, 92693),

Gene: FrayBell_157 Start: 91639, Stop: 91869, Start Num: 7

Candidate Starts for FrayBell_157:

(Start: 7 @91639 has 160 MA's), (11, 91768), (14, 91858),

Gene: FudgeTart_150 Start: 90447, Stop: 90677, Start Num: 7

Candidate Starts for FudgeTart_150:

(Start: 7 @90447 has 160 MA's), (11, 90576), (13, 90657), (14, 90666),

Gene: Gabriel_152 Start: 89566, Stop: 89784, Start Num: 7

Candidate Starts for Gabriel_152:

(Start: 7 @89566 has 160 MA's), (8, 89641), (10, 89674), (12, 89704),

Gene: Gamgam_153 Start: 90309, Stop: 90539, Start Num: 7

Candidate Starts for Gamgam_153:

(Start: 7 @90309 has 160 MA's), (11, 90438), (13, 90519), (14, 90528),

Gene: Ghost_152 Start: 91022, Stop: 91252, Start Num: 7

Candidate Starts for Ghost_152:

(Start: 7 @91022 has 160 MA's), (11, 91151), (13, 91232), (14, 91241),

Gene: Gizmo_157 Start: 92941, Stop: 93171, Start Num: 7

Candidate Starts for Gizmo_157:

(Start: 7 @92941 has 160 MA's), (11, 93070), (14, 93160),

Gene: Grungle_139 Start: 88344, Stop: 88574, Start Num: 7

Candidate Starts for Grungle_139:

(Start: 7 @88344 has 160 MA's), (11, 88473), (14, 88563),

Gene: Guwapp_151 Start: 89835, Stop: 90065, Start Num: 7

Candidate Starts for Guwapp_151:

(Start: 7 @89835 has 160 MA's), (11, 89964), (13, 90045), (14, 90054),

Gene: I3_157 Start: 91795, Stop: 92013, Start Num: 7

Candidate Starts for I3_157:

(Start: 7 @91795 has 160 MA's), (8, 91870), (10, 91903), (12, 91933),

Gene: IkeLoa_146 Start: 90268, Stop: 90498, Start Num: 7

Candidate Starts for IkeLoa_146:

(Start: 7 @90268 has 160 MA's), (11, 90397), (13, 90478), (14, 90487),

Gene: InigoMontoya_156 Start: 90983, Stop: 91213, Start Num: 7

Candidate Starts for InigoMontoya_156:

(Start: 7 @90983 has 160 MA's), (11, 91112), (13, 91193), (14, 91202),

Gene: InterFolia_158 Start: 92642, Stop: 92872, Start Num: 7

Candidate Starts for InterFolia_158:

(Start: 7 @92642 has 160 MA's), (11, 92771), (14, 92861),

Gene: Iota_147 Start: 90319, Stop: 90549, Start Num: 7
Candidate Starts for Iota_147:
(Start: 7 @90319 has 160 MA's), (11, 90448), (13, 90529), (14, 90538),

Gene: Issimir_151 Start: 91278, Stop: 91508, Start Num: 7
Candidate Starts for Issimir_151:
(Start: 7 @91278 has 160 MA's), (11, 91407), (14, 91497),

Gene: Izajani_152 Start: 91530, Stop: 91760, Start Num: 7
Candidate Starts for Izajani_152:
(Start: 7 @91530 has 160 MA's), (11, 91659), (13, 91740), (14, 91749),

Gene: JPickles_149 Start: 89175, Stop: 89405, Start Num: 7
Candidate Starts for JPickles_149:
(Start: 7 @89175 has 160 MA's), (11, 89304), (13, 89385), (14, 89394),

Gene: Janiyra_156 Start: 92000, Stop: 92230, Start Num: 7
Candidate Starts for Janiyra_156:
(Start: 7 @92000 has 160 MA's), (11, 92129), (13, 92210), (14, 92219),

Gene: JayJay_152 Start: 92335, Stop: 92565, Start Num: 7
Candidate Starts for JayJay_152:
(Start: 7 @92335 has 160 MA's), (11, 92464), (14, 92554),

Gene: Jaygup_152 Start: 90700, Stop: 90930, Start Num: 7
Candidate Starts for Jaygup_152:
(Start: 7 @90700 has 160 MA's), (11, 90829), (13, 90910), (14, 90919),

Gene: Jedediah_155 Start: 91233, Stop: 91463, Start Num: 7
Candidate Starts for Jedediah_155:
(Start: 7 @91233 has 160 MA's), (11, 91362), (13, 91443), (14, 91452),

Gene: Jemmno_152 Start: 90681, Stop: 90911, Start Num: 7
Candidate Starts for Jemmno_152:
(Start: 7 @90681 has 160 MA's), (11, 90810), (13, 90891), (14, 90900),

Gene: Jessibeth14_152 Start: 91563, Stop: 91793, Start Num: 7
Candidate Starts for Jessibeth14_152:
(Start: 7 @91563 has 160 MA's), (11, 91692), (13, 91773), (14, 91782),

Gene: JulietS_147 Start: 88514, Stop: 88744, Start Num: 7
Candidate Starts for JulietS_147:
(Start: 7 @88514 has 160 MA's), (11, 88643), (13, 88724), (14, 88733),

Gene: JustHall_150 Start: 91205, Stop: 91435, Start Num: 7
Candidate Starts for JustHall_150:
(Start: 7 @91205 has 160 MA's), (11, 91334), (13, 91415), (14, 91424),

Gene: Kamryn_152 Start: 92018, Stop: 92248, Start Num: 7
Candidate Starts for Kamryn_152:
(Start: 7 @92018 has 160 MA's), (11, 92147), (13, 92228), (14, 92237),

Gene: Kboogie_156 Start: 90373, Stop: 90603, Start Num: 7

Candidate Starts for Kboogie_156:

(Start: 7 @90373 has 160 MA's), (11, 90502), (14, 90592),

Gene: Khaleesi_151 Start: 91315, Stop: 91545, Start Num: 7

Candidate Starts for Khaleesi_151:

(Start: 7 @91315 has 160 MA's), (11, 91444), (13, 91525), (14, 91534),

Gene: Koguma_150 Start: 89201, Stop: 89431, Start Num: 7

Candidate Starts for Koguma_150:

(Start: 7 @89201 has 160 MA's), (11, 89330), (14, 89420),

Gene: LRRHood_146 Start: 91062, Stop: 91292, Start Num: 7

Candidate Starts for LRRHood_146:

(Start: 7 @91062 has 160 MA's), (11, 91191), (13, 91272), (14, 91281),

Gene: Latch_153 Start: 90319, Stop: 90549, Start Num: 7

Candidate Starts for Latch_153:

(Start: 7 @90319 has 160 MA's), (11, 90448), (13, 90529), (14, 90538),

Gene: Lee7_150 Start: 91940, Stop: 92170, Start Num: 7

Candidate Starts for Lee7_150:

(Start: 7 @91940 has 160 MA's), (11, 92069), (13, 92150), (14, 92159),

Gene: LifeSavor_150 Start: 90579, Stop: 90809, Start Num: 7

Candidate Starts for LifeSavor_150:

(Start: 7 @90579 has 160 MA's), (11, 90708), (14, 90798),

Gene: LinStu_150 Start: 91214, Stop: 91444, Start Num: 7

Candidate Starts for LinStu_150:

(Start: 7 @91214 has 160 MA's), (11, 91343), (13, 91424), (14, 91433),

Gene: Littleton_152 Start: 90648, Stop: 90866, Start Num: 7

Candidate Starts for Littleton_152:

(Start: 7 @90648 has 160 MA's), (8, 90723), (10, 90756), (12, 90786),

Gene: Loanshark_151 Start: 91179, Stop: 91409, Start Num: 7

Candidate Starts for Loanshark_151:

(Start: 7 @91179 has 160 MA's), (11, 91308), (14, 91398),

Gene: LolaVinca_153 Start: 91981, Stop: 92211, Start Num: 7

Candidate Starts for LolaVinca_153:

(Start: 7 @91981 has 160 MA's), (11, 92110), (13, 92191), (14, 92200),

Gene: LordLeafolot_156 Start: 92487, Stop: 92717, Start Num: 7

Candidate Starts for LordLeafolot_156:

(Start: 7 @92487 has 160 MA's), (11, 92616), (14, 92706),

Gene: Lukilu_143 Start: 92072, Stop: 92302, Start Num: 7

Candidate Starts for Lukilu_143:

(Start: 7 @92072 has 160 MA's), (11, 92201), (13, 92282), (14, 92291),

Gene: Maby2021_152 Start: 91400, Stop: 91630, Start Num: 7

Candidate Starts for Maby2021_152:
(Start: 7 @91400 has 160 MA's), (11, 91529), (13, 91610), (14, 91619),

Gene: Mangeria_153 Start: 91820, Stop: 92038, Start Num: 7
Candidate Starts for Mangeria_153:
(Start: 7 @91820 has 160 MA's), (8, 91895), (10, 91928), (12, 91958),

Gene: Matsumoto_150 Start: 90910, Stop: 91140, Start Num: 7
Candidate Starts for Matsumoto_150:
(Start: 7 @90910 has 160 MA's), (11, 91039), (14, 91129),

Gene: McGee_155 Start: 90737, Stop: 90967, Start Num: 7
Candidate Starts for McGee_155:
(Start: 7 @90737 has 160 MA's), (11, 90866), (14, 90956),

Gene: McWolfish_150 Start: 91086, Stop: 91316, Start Num: 7
Candidate Starts for McWolfish_150:
(Start: 7 @91086 has 160 MA's), (11, 91215), (13, 91296), (14, 91305),

Gene: Megamind_151 Start: 91020, Stop: 91250, Start Num: 7
Candidate Starts for Megamind_151:
(Start: 7 @91020 has 160 MA's), (11, 91149), (13, 91230), (14, 91239),

Gene: Melpomini_147 Start: 89261, Stop: 89491, Start Num: 7
Candidate Starts for Melpomini_147:
(Start: 7 @89261 has 160 MA's), (11, 89390), (14, 89480),

Gene: MikeLiesIn_154 Start: 91729, Stop: 91959, Start Num: 7
Candidate Starts for MikeLiesIn_154:
(Start: 7 @91729 has 160 MA's), (11, 91858), (14, 91948),

Gene: Mikro_149 Start: 92642, Stop: 92872, Start Num: 7
Candidate Starts for Mikro_149:
(Start: 7 @92642 has 160 MA's), (11, 92771), (13, 92852), (14, 92861),

Gene: MoMoMixon_152 Start: 90801, Stop: 91031, Start Num: 7
Candidate Starts for MoMoMixon_152:
(Start: 7 @90801 has 160 MA's), (11, 90930), (14, 91020),

Gene: Momo_152 Start: 90319, Stop: 90549, Start Num: 7
Candidate Starts for Momo_152:
(Start: 7 @90319 has 160 MA's), (11, 90448), (13, 90529), (14, 90538),

Gene: Morizzled23_153 Start: 90775, Stop: 91005, Start Num: 7
Candidate Starts for Morizzled23_153:
(Start: 7 @90775 has 160 MA's), (11, 90904), (13, 90985), (14, 90994),

Gene: Naija_153 Start: 91022, Stop: 91252, Start Num: 7
Candidate Starts for Naija_153:
(Start: 7 @91022 has 160 MA's), (11, 91151), (13, 91232), (14, 91241),

Gene: Napoleon13_149 Start: 89698, Stop: 89928, Start Num: 7
Candidate Starts for Napoleon13_149:

(Start: 7 @89698 has 160 MA's), (11, 89827), (13, 89908), (14, 89917),

Gene: Nappy_154 Start: 92232, Stop: 92450, Start Num: 7

Candidate Starts for Nappy_154:

(Start: 7 @92232 has 160 MA's), (8, 92307), (10, 92340), (12, 92370),

Gene: Naval22_157 Start: 92768, Stop: 92998, Start Num: 7

Candidate Starts for Naval22_157:

(Start: 7 @92768 has 160 MA's), (11, 92897), (14, 92987),

Gene: NedWong_153 Start: 91407, Stop: 91637, Start Num: 7

Candidate Starts for NedWong_153:

(Start: 7 @91407 has 160 MA's), (11, 91536), (13, 91617), (14, 91626),

Gene: Ngannou_149 Start: 89301, Stop: 89531, Start Num: 7

Candidate Starts for Ngannou_149:

(Start: 7 @89301 has 160 MA's), (11, 89430), (13, 89511), (14, 89520),

Gene: Nidhogg_154 Start: 91525, Stop: 91755, Start Num: 7

Candidate Starts for Nidhogg_154:

(Start: 7 @91525 has 160 MA's), (11, 91654), (14, 91744),

Gene: NoodleTree_159 Start: 91393, Stop: 91623, Start Num: 7

Candidate Starts for NoodleTree_159:

(Start: 7 @91393 has 160 MA's), (11, 91522), (13, 91603), (14, 91612),

Gene: Norm_153 Start: 92048, Stop: 92278, Start Num: 7

Candidate Starts for Norm_153:

(Start: 7 @92048 has 160 MA's), (11, 92177), (13, 92258), (14, 92267),

Gene: NuevoMundo_157 Start: 93574, Stop: 93804, Start Num: 7

Candidate Starts for NuevoMundo_157:

(Start: 7 @93574 has 160 MA's), (8, 93649), (11, 93703), (14, 93793),

Gene: ParkTD_153 Start: 91359, Stop: 91589, Start Num: 7

Candidate Starts for ParkTD_153:

(Start: 7 @91359 has 160 MA's), (11, 91488), (13, 91569), (14, 91578),

Gene: Patter_153 Start: 90336, Stop: 90566, Start Num: 7

Candidate Starts for Patter_153:

(Start: 7 @90336 has 160 MA's), (11, 90465), (13, 90546), (14, 90555),

Gene: Phlegm_157 Start: 91022, Stop: 91252, Start Num: 7

Candidate Starts for Phlegm_157:

(Start: 7 @91022 has 160 MA's), (11, 91151), (13, 91232), (14, 91241),

Gene: Phox_150 Start: 92096, Stop: 92326, Start Num: 7

Candidate Starts for Phox_150:

(Start: 7 @92096 has 160 MA's), (11, 92225), (13, 92306), (14, 92315),

Gene: Phrappuccino_26 Start: 13404, Stop: 13658, Start Num: 6

Candidate Starts for Phrappuccino_26:

(1, 13065), (2, 13107), (3, 13125), (4, 13251), (5, 13311), (Start: 6 @13404 has 2 MA's), (Start: 7 @13425 has 160 MA's), (9, 13503),

Gene: Phusco_152 Start: 90645, Stop: 90875, Start Num: 7

Candidate Starts for Phusco_152:

(Start: 7 @90645 has 160 MA's), (11, 90774), (13, 90855), (14, 90864),

Gene: Pier_156 Start: 93583, Stop: 93765, Start Num: 7

Candidate Starts for Pier_156:

(Start: 7 @93583 has 160 MA's), (11, 93712),

Gene: Pio_157 Start: 93597, Stop: 93815, Start Num: 7

Candidate Starts for Pio_157:

(Start: 7 @93597 has 160 MA's), (8, 93672), (10, 93705), (12, 93735),

Gene: Pivoine_153 Start: 91022, Stop: 91252, Start Num: 7

Candidate Starts for Pivoine_153:

(Start: 7 @91022 has 160 MA's), (11, 91151), (13, 91232), (14, 91241),

Gene: Pleione_155 Start: 91475, Stop: 91705, Start Num: 7

Candidate Starts for Pleione_155:

(Start: 7 @91475 has 160 MA's), (11, 91604), (14, 91694),

Gene: PurduePete_152 Start: 91773, Stop: 92003, Start Num: 7

Candidate Starts for PurduePete_152:

(Start: 7 @91773 has 160 MA's), (11, 91902), (13, 91983), (14, 91992),

Gene: QBert_146 Start: 90363, Stop: 90593, Start Num: 7

Candidate Starts for QBert_146:

(Start: 7 @90363 has 160 MA's), (11, 90492), (14, 90582),

Gene: Quasimodo_155 Start: 92440, Stop: 92670, Start Num: 7

Candidate Starts for Quasimodo_155:

(Start: 7 @92440 has 160 MA's), (11, 92569), (13, 92650), (14, 92659),

Gene: Rabinovish_152 Start: 92434, Stop: 92664, Start Num: 7

Candidate Starts for Rabinovish_152:

(Start: 7 @92434 has 160 MA's), (11, 92563), (13, 92644), (14, 92653),

Gene: Rahel_151 Start: 90194, Stop: 90412, Start Num: 7

Candidate Starts for Rahel_151:

(Start: 7 @90194 has 160 MA's), (8, 90269), (10, 90302), (12, 90332),

Gene: Rizal_147 Start: 89396, Stop: 89626, Start Num: 7

Candidate Starts for Rizal_147:

(Start: 7 @89396 has 160 MA's), (11, 89525), (13, 89606), (14, 89615),

Gene: RoMag_148 Start: 91210, Stop: 91440, Start Num: 7

Candidate Starts for RoMag_148:

(Start: 7 @91210 has 160 MA's), (11, 91339), (13, 91420), (14, 91429),

Gene: Roots515_151 Start: 91974, Stop: 92192, Start Num: 7

Candidate Starts for Roots515_151:

(Start: 7 @91974 has 160 MA's), (8, 92049), (10, 92082), (12, 92112),

Gene: Sauce_152 Start: 90303, Stop: 90533, Start Num: 7

Candidate Starts for Sauce_152:

(Start: 7 @90303 has 160 MA's), (11, 90432), (14, 90522),

Gene: ScottMcG_148 Start: 90381, Stop: 90611, Start Num: 7

Candidate Starts for ScottMcG_148:

(Start: 7 @90381 has 160 MA's), (11, 90510), (13, 90591), (14, 90600),

Gene: Sebata_153 Start: 92475, Stop: 92705, Start Num: 7

Candidate Starts for Sebata_153:

(Start: 7 @92475 has 160 MA's), (11, 92604), (13, 92685), (14, 92694),

Gene: Settecandela_26 Start: 13404, Stop: 13658, Start Num: 6

Candidate Starts for Settecandela_26:

(1, 13065), (2, 13107), (3, 13125), (4, 13251), (5, 13311), (Start: 6 @13404 has 2 MA's), (Start: 7 @13425 has 160 MA's), (9, 13503),

Gene: Shaqnato_146 Start: 89757, Stop: 89987, Start Num: 7

Candidate Starts for Shaqnato_146:

(Start: 7 @89757 has 160 MA's), (11, 89886), (13, 89967), (14, 89976),

Gene: ShiaLabeouf_151 Start: 90736, Stop: 90966, Start Num: 7

Candidate Starts for ShiaLabeouf_151:

(Start: 7 @90736 has 160 MA's), (11, 90865), (13, 90946), (14, 90955),

Gene: Shifa_142 Start: 89988, Stop: 90218, Start Num: 7

Candidate Starts for Shifa_142:

(Start: 7 @89988 has 160 MA's), (11, 90117), (14, 90207),

Gene: Shnickers_152 Start: 90700, Stop: 90930, Start Num: 7

Candidate Starts for Shnickers_152:

(Start: 7 @90700 has 160 MA's), (11, 90829), (13, 90910), (14, 90919),

Gene: Shrimp_152 Start: 91312, Stop: 91530, Start Num: 7

Candidate Starts for Shrimp_152:

(Start: 7 @91312 has 160 MA's), (8, 91387), (10, 91420), (12, 91450),

Gene: SilverDipper_155 Start: 91018, Stop: 91248, Start Num: 7

Candidate Starts for SilverDipper_155:

(Start: 7 @91018 has 160 MA's), (11, 91147), (13, 91228), (14, 91237),

Gene: SmallFry_153 Start: 90522, Stop: 90752, Start Num: 7

Candidate Starts for SmallFry_153:

(Start: 7 @90522 has 160 MA's), (11, 90651), (14, 90741),

Gene: Spec_148 Start: 90465, Stop: 90695, Start Num: 7

Candidate Starts for Spec_148:

(Start: 7 @90465 has 160 MA's), (11, 90594), (13, 90675), (14, 90684),

Gene: Specks_157 Start: 92486, Stop: 92716, Start Num: 7

Candidate Starts for Specks_157:

(Start: 7 @92486 has 160 MA's), (11, 92615), (14, 92705),

Gene: Sprinklers_148 Start: 89928, Stop: 90158, Start Num: 7
Candidate Starts for Sprinklers_148:
(Start: 7 @89928 has 160 MA's), (11, 90057), (13, 90138), (14, 90147),

Gene: Spud_151 Start: 91483, Stop: 91713, Start Num: 7
Candidate Starts for Spud_151:
(Start: 7 @91483 has 160 MA's), (11, 91612), (13, 91693), (14, 91702),

Gene: SrishMeg2525_151 Start: 91509, Stop: 91739, Start Num: 7
Candidate Starts for SrishMeg2525_151:
(Start: 7 @91509 has 160 MA's), (11, 91638), (13, 91719), (14, 91728),

Gene: StephanieG_150 Start: 92265, Stop: 92495, Start Num: 7
Candidate Starts for StephanieG_150:
(Start: 7 @92265 has 160 MA's), (11, 92394), (13, 92475), (14, 92484),

Gene: StubbySaigey_156 Start: 90530, Stop: 90760, Start Num: 7
Candidate Starts for StubbySaigey_156:
(Start: 7 @90530 has 160 MA's), (11, 90659), (13, 90740), (14, 90749),

Gene: Teardrop_152 Start: 90214, Stop: 90444, Start Num: 7
Candidate Starts for Teardrop_152:
(Start: 7 @90214 has 160 MA's), (11, 90343), (14, 90433),

Gene: TinyTim_152 Start: 91068, Stop: 91298, Start Num: 7
Candidate Starts for TinyTim_152:
(Start: 7 @91068 has 160 MA's), (11, 91197), (13, 91278), (14, 91287),

Gene: Tonenili_167 Start: 94255, Stop: 94473, Start Num: 7
Candidate Starts for Tonenili_167:
(Start: 7 @94255 has 160 MA's), (8, 94330), (10, 94363), (12, 94393),

Gene: Tortoise16_149 Start: 90421, Stop: 90639, Start Num: 7
Candidate Starts for Tortoise16_149:
(Start: 7 @90421 has 160 MA's), (8, 90496), (10, 90529), (12, 90559),

Gene: Trinitium_151 Start: 90946, Stop: 91176, Start Num: 7
Candidate Starts for Trinitium_151:
(Start: 7 @90946 has 160 MA's), (11, 91075), (13, 91156), (14, 91165),

Gene: Turret_149 Start: 90517, Stop: 90747, Start Num: 7
Candidate Starts for Turret_149:
(Start: 7 @90517 has 160 MA's), (11, 90646), (14, 90736),

Gene: Tyke_153 Start: 92471, Stop: 92701, Start Num: 7
Candidate Starts for Tyke_153:
(Start: 7 @92471 has 160 MA's), (11, 92600), (13, 92681), (14, 92690),

Gene: ValleyTerrace_153 Start: 90319, Stop: 90549, Start Num: 7
Candidate Starts for ValleyTerrace_153:
(Start: 7 @90319 has 160 MA's), (11, 90448), (13, 90529), (14, 90538),

Gene: Wally_151 Start: 89891, Stop: 90121, Start Num: 7
Candidate Starts for Wally_151:
(Start: 7 @89891 has 160 MA's), (11, 90020), (13, 90101), (14, 90110),

Gene: Willis_153 Start: 91258, Stop: 91488, Start Num: 7
Candidate Starts for Willis_153:
(Start: 7 @91258 has 160 MA's), (11, 91387), (13, 91468), (14, 91477),

Gene: Yassified_149 Start: 90021, Stop: 90251, Start Num: 7
Candidate Starts for Yassified_149:
(Start: 7 @90021 has 160 MA's), (11, 90150), (13, 90231), (14, 90240),

Gene: YemiJoy2021_153 Start: 91404, Stop: 91634, Start Num: 7
Candidate Starts for YemiJoy2021_153:
(Start: 7 @91404 has 160 MA's), (11, 91533), (13, 91614), (14, 91623),

Gene: YoungMoneyMata_154 Start: 91046, Stop: 91276, Start Num: 7
Candidate Starts for YoungMoneyMata_154:
(Start: 7 @91046 has 160 MA's), (11, 91175), (13, 91256), (14, 91265),

Gene: Yucca_151 Start: 91086, Stop: 91316, Start Num: 7
Candidate Starts for Yucca_151:
(Start: 7 @91086 has 160 MA's), (11, 91215), (13, 91296), (14, 91305),

Gene: Zalkecks_153 Start: 91087, Stop: 91317, Start Num: 7
Candidate Starts for Zalkecks_153:
(Start: 7 @91087 has 160 MA's), (11, 91216), (13, 91297), (14, 91306),

Gene: Zeenon_153 Start: 91172, Stop: 91402, Start Num: 7
Candidate Starts for Zeenon_153:
(Start: 7 @91172 has 160 MA's), (11, 91301), (13, 91382), (14, 91391),

Gene: ZygoTaiga_150 Start: 92278, Stop: 92508, Start Num: 7
Candidate Starts for ZygoTaiga_150:
(Start: 7 @92278 has 160 MA's), (11, 92407), (13, 92488), (14, 92497),