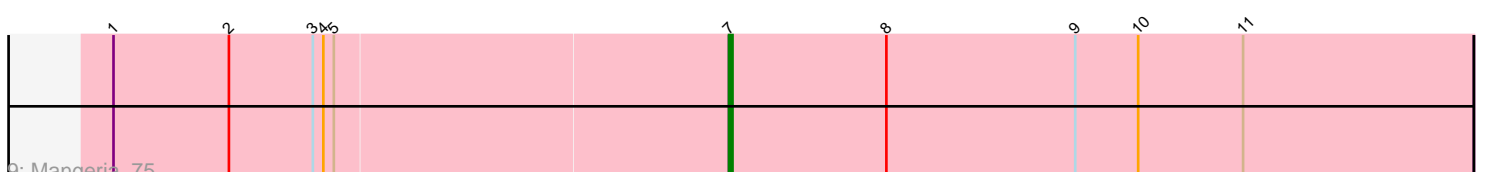
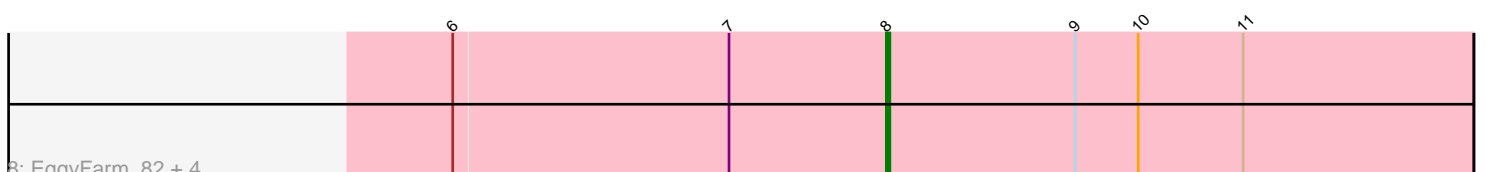
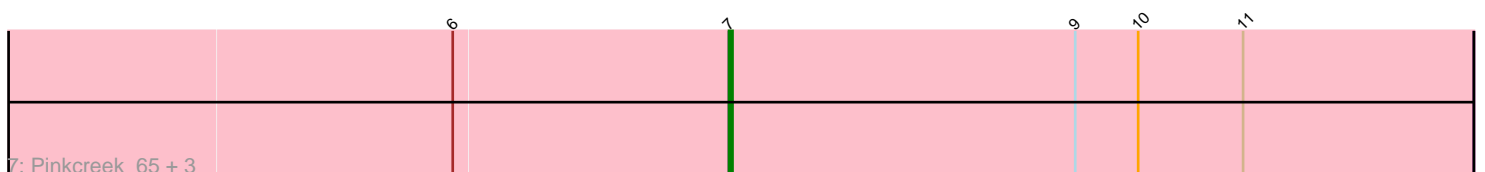
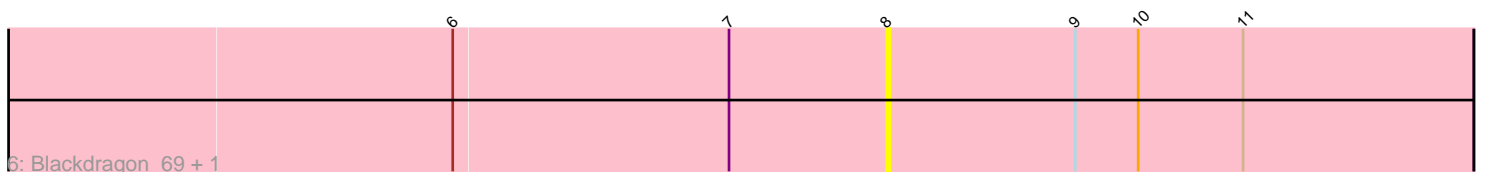
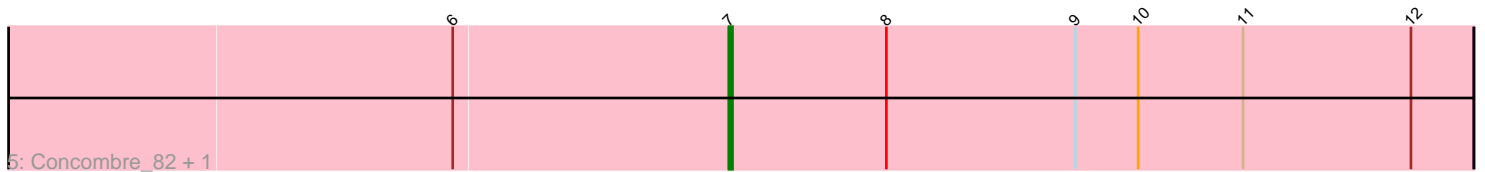
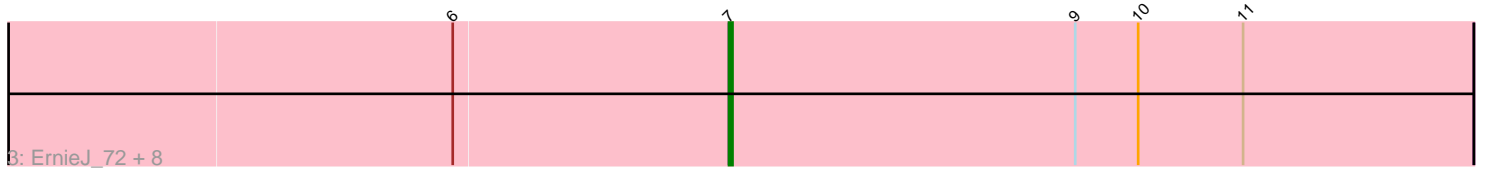
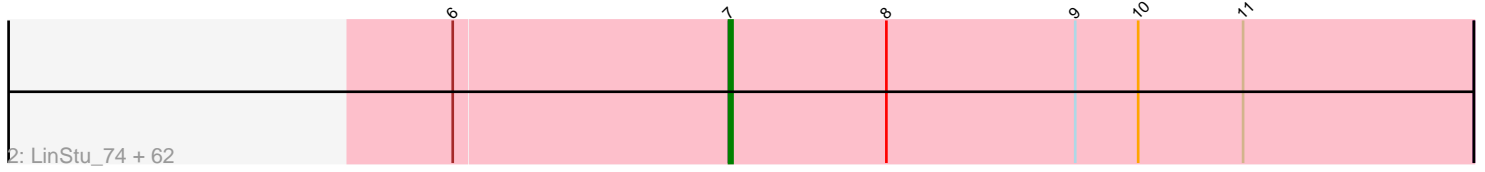
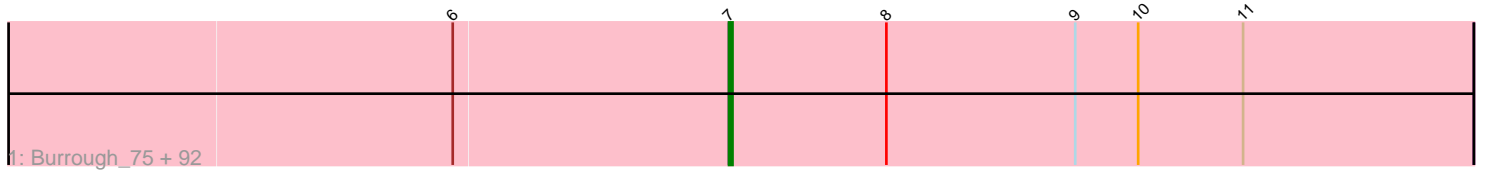


Pham 567



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 567 Report

This analysis was run 07/09/24 on database version 566.

Pham number 567 has 181 members, 17 are drafts.

Phages represented in each track:

- Track 1 : Burrough_75, Spec_70, Latch_75, Basquiat_71, ShiaLabeouf_75, Chomp_72, Capablanca_77, Gamgam_75, FudgeTart_75, Gabriel_77, Cali_70, Salacia_79, EmmaElysia_74, YoungMoneyMata_75, Darko_75, Fludd_75, Colt_65, Flabslab_70, Guwapp_74, DirtMonster_68, Koguma_71, Cactojaque_70, Roots515_74, Audrick_77, QBert_69, JPickles_73, BackyardAgain_72, Jemmno_75, RoMag_70, Naija_74, BeanWater_67, Drazdys_75, Ngannou_71, Phlegm_77, Quasimodo_75, Ghost_74, McGee_76, Babyland_74, Derek_75, Jaygup_75, Ava3_76, Chargie21_71, Blackbrain_70, Delylah_78, ChickenPhender_71, Issimir_73, InigoMontoya_76, MoMoMixon_75, Caravan_71, Essence_72, Grungle_63, Rahel_74, Pio_78, LifeSavor_74, DTDevon_76, ChaylaJr_70, ArcherS7_75, Momo_74, Matsumoto_73, Bxz1_75, Kboogie_78, Iota_69, Lee7_73, Bangla1971_76, Asterius_72, ValleyTerrace_75, ET08_64, Amataga_75, Tortoise16_73, Adlitam_75, JustHall_71, EmToTheThree_78, Turret_70, Dandelion_81, Sprinklers_70, Sauce_75, Shnickers_75, Patter_75, CharlieB_71, Trinitium_71, Pivoine_74, Pier_79, JulietS_67, FoxtrotP1_75, SilverDipper_76, SmallFry_75, Bread_75, Littleton_75, Phusco_75, Atlantean_74, CindyLou_76, Tyke_77, Janiyra_77
- Track 2 : LinStu_74, NuevoMundo_81, LolaVinca_77, ParkTD_76, Ronan_68, Shaq nato_67, Kamryn_75, Jedediah_78, Erdmann_75, Bipolarisk_74, FrayBell_81, Nidhogg_75, Breeniome_75, BadAgartude_72, DrPhinkDaddy_74, Naval22_80, Specks_81, Wally_73, Shelob_77, Nappy_76, LRRHood_69, Maby2021_75, ZygoTaiga_74, Teardrop_75, BananaFence_74, Lukilu_65, JayJay_77, McWolfish_73, Yucca_74, Zeenon_76, LordLeafolot_79, Megamind_74, Ewok_76, Napoleon13_71, YemiJoy2021_76, PurduePete_75, Willis_76, Sebata_75, Pleione_77, Bonray_75, Gizmo_79, Shrimp_75, Ading_75, MikeLiesIn_75, Jessibeth14_74, Izajani_75, Rizal_72, Dietrick_68, NedWong_76, Zalkecks_76, Phox_71, I3_79, NoodleTree_78, Loanshark_75, Daffodil_79, SrishMeg2525_74, TinyTim_75, Spud_74, Delilah_75, Khaleesi_74, IkeLoa_69, Norm_76, StubbySaigey_76
- Track 3 : ErnieJ_72, Melpomini_69, ScottMcG_72, Yassified_71, Blubba_63, HyRo_68, Shifa_65, Morizzled23_76, Rabinovish_72
- Track 4 : EasyJones_77, Catera_73
- Track 5 : Concombre_82, StephanieG_75
- Track 6 : Blackdragon_69, Halldule_67
- Track 7 : Pinkcreek_65, Alice_67, Astraea_74, Stubby_68
- Track 8 : EggyFarm_82, InterFolia_84, Mikro_73, Grasshills_82, BigCity_82
- Track 9 : Mangeria_75

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 162 of the 164 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_75, Adlitam_75, Alice_67, Amataga_75, ArcherS7_75, Asterius_72, Astraea_74, Atlantean_74, Audrick_77, Ava3_76, Babyland_74, BackyardAgain_72, BadAgartude_72, BananaFence_74, Bangla1971_76, Basquiat_71, BeanWater_67, Bipolarisk_74, Blackbrain_70, Blubba_63, Bonray_75, Bread_75, Breeniome_75, Burrough_75, Bxz1_75, Cactojaque_70, Cali_70, Capablanca_77, Caravan_71, Catera_73, Charge21_71, CharlieB_71, ChaylaJr_70, ChickenPhender_71, Chomp_72, CindyLou_76, Colt_65, Concombre_82, DTDevon_76, Daffodil_79, Dandelion_81, Darko_75, Delilah_75, Delylah_78, Derek_75, Dietrick_68, DirtMonster_68, DrPhinkDaddy_74, Drazdys_75, ET08_64, EasyJones_77, EmToTheThree_78, EmmaElysia_74, Erdmann_75, ErnieJ_72, Essence_72, Ewok_76, Flabslab_70, Fludd_75, FoxtrotP1_75, FrayBell_81, FudgeTart_75, Gabriel_77, Gamgam_75, Ghost_74, Gizmo_79, Grungle_63, Guwapp_74, HyRo_68, I3_79, IkeLoa_69, InigoMontoya_76, Iota_69, Issimir_73, Izajani_75, JPickles_73, Janiyra_77, JayJay_77, Jaygup_75, Jedediah_78, Jemmno_75, Jessibeth14_74, JulietS_67, JustHall_71, Kamryn_75, Kboogie_78, Khaleesi_74, Koguma_71, LRRHood_69, Latch_75, Lee7_73, LifeSavor_74, LinStu_74, Littleton_75, Loanshark_75, LolaVinca_77, LordLeafot_79, Lukilu_65, Maby2021_75, Mangeria_75, Matsumoto_73, McGee_76, McWolfish_73, Megamind_74, Melpomini_69, MikeLiesIn_75, MoMoMixon_75, Momo_74, Morizzled23_76, Naija_74, Napoleon13_71, Nappy_76, Naval22_80, NedWong_76, Ngannou_71, Nidhogg_75, NoodleTree_78, Norm_76, NuevoMundo_81, ParkTD_76, Patter_75, Phlegm_77, Phox_71, Phusco_75, Pier_79, Pinkcreek_65, Pio_78, Pivoine_74, Pleione_77, PurduePete_75, QBert_69, Quasimodo_75, Rabinovish_72, Rahel_74, Rizal_72, RoMag_70, Ronan_68, Roots515_74, Salacia_79, Sauce_75, ScottMcG_72, Sebata_75, Shaqato_67, Shelob_77, ShiaLabeouf_75, Shifa_65, Shnickers_75, Shrimp_75, SilverDipper_76, SmallFry_75, Spec_70, Specks_81, Sprinklers_70, Spud_74, SrishMeg2525_74, StephanieG_75, StubbySaigey_76, Stubby_68, Teardrop_75, TinyTim_75, Tortoise16_73, Trinitium_71, Turret_70, Tyke_77, ValleyTerrace_75, Wally_73, Willis_76, Yassified_71, YemiJoy2021_76, YoungMoneyMata_75, Yucca_74, Zalkecks_76, Zeenon_76, ZygoTaiga_74,

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

- BigCity_82, Blackdragon_69, EggyFarm_82, Grasshills_82, Halldule_67, InterFolia_84, Mikro_73,

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

-

Summary by start number:

Start 7:

- Found in 181 of 181 (100.0%) of genes in pham
- Manual Annotations of this start: 162 of 164

- Called 96.1% of time when present
- Phage (with cluster) where this start called: Ading_75 (C1), Adlitam_75 (C1), Alice_67 (C1), Amataga_75 (C1), ArcherS7_75 (C1), Asterius_72 (C1), Astraea_74 (C1), Atlantean_74 (C1), Audrick_77 (C1), Ava3_76 (C1), Babyland_74 (C1), BackyardAgain_72 (C1), BadAgartude_72 (C1), BananaFence_74 (C1), Bangla1971_76 (C1), Basquiat_71 (C1), BeanWater_67 (C1), Bipolarisk_74 (C1), Blackbrain_70 (C1), Blubba_63 (C1), Bonray_75 (C1), Bread_75 (C1), Breeniome_75 (C1), Burrough_75 (C1), Bxz1_75 (C1), Cactojaque_70 (C1), Cali_70 (C1), Capablanca_77 (C1), Caravan_71 (C1), Catera_73 (C1), Charge21_71 (C1), CharlieB_71 (C1), ChaylaJr_70 (C1), ChickenPhender_71 (C1), Chomp_72 (C1), CindyLou_76 (C1), Colt_65 (C1), Concombre_82 (C1), DTDevon_76 (C1), Daffodil_79 (C1), Dandelion_81 (C1), Darko_75 (C1), Delilah_75 (C1), Delylah_78 (C1), Derek_75 (C1), Dietrick_68 (C1), DirtMonster_68 (C1), DrPhinkDaddy_74 (C1), Drazdys_75 (C1), ET08_64 (C1), EasyJones_77 (C1), EmToTheThree_78 (C1), EmmaElysia_74 (C1), Erdmann_75 (C1), ErnieJ_72 (C1), Essence_72 (C1), Ewok_76 (C1), Flabslab_70 (C1), Fludd_75 (C1), FoxtrotP1_75 (C1), FrayBell_81 (C1), FudgeTart_75 (C1), Gabriel_77 (C1), Gamgam_75 (C1), Ghost_74 (C1), Gizmo_79 (C1), Grungle_63 (C1), Guwapp_74 (C1), HyRo_68 (C1), I3_79 (C1), IkeLoa_69 (C1), InigoMontoya_76 (C1), Iota_69 (C1), Issimir_73 (C1), Izajani_75 (C1), JPickles_73 (C1), Janiyra_77 (C1), JayJay_77 (C1), Jaygup_75 (C1), Jedediah_78 (C1), Jemmno_75 (C1), Jessibeth14_74 (C1), JulietS_67 (C1), JustHall_71 (C1), Kamryn_75 (C1), Kboogie_78 (C1), Khaleesi_74 (C1), Koguma_71 (C1), LRRHood_69 (C1), Latch_75 (C1), Lee7_73 (C1), LifeSavor_74 (C1), LinStu_74 (C1), Littleton_75 (C1), Loanshark_75 (C1), LolaVinca_77 (C1), LordLeafolot_79 (C1), Lukilu_65 (C1), Maby2021_75 (C1), Mangeria_75 (C1), Matsumoto_73 (C1), McGee_76 (C1), McWolfish_73 (C1), Megamind_74 (C1), Melpomini_69 (C1), MikeLiesIn_75 (C1), MoMoMixon_75 (C1), Momo_74 (C1), Morizzled23_76 (C1), Naija_74 (C1), Napoleon13_71 (C1), Nappy_76 (C1), Naval22_80 (C1), NedWong_76 (C1), Ngannou_71 (C1), Nidhogg_75 (C1), NoodleTree_78 (C1), Norm_76 (C1), NuevoMundo_81 (C1), ParkTD_76 (C1), Patter_75 (C1), Phlegm_77 (C1), Phox_71 (C1), Phusco_75 (C1), Pier_79 (C1), Pinkcreek_65 (C1), Pio_78 (C1), Pivoine_74 (C1), Pleione_77 (C1), PurduePete_75 (C1), QBert_69 (C1), Quasimodo_75 (C1), Rabinovish_72 (C1), Rahel_74 (C1), Rizal_72 (C1), RoMag_70 (C1), Ronan_68 (C1), Roots515_74 (C1), Salacia_79 (C1), Sauce_75 (C1), ScottMcG_72 (C1), Sebata_75 (C1), Shaqnato_67 (C1), Shelob_77 (C1), ShiaLabeouf_75 (C1), Shifa_65 (C1), Shnickers_75 (C1), Shrimp_75 (C1), SilverDipper_76 (C1), SmallFry_75 (C1), Spec_70 (C1), Specks_81 (C1), Sprinklers_70 (C1), Spud_74 (C1), SrishMeg2525_74 (C1), StephanieG_75 (C1), StubbySaigey_76 (C1), Stubby_68 (C1), Teardrop_75 (C1), TinyTim_75 (C1), Tortoise16_73 (C1), Trinitium_71 (C1), Turret_70 (C1), Tyke_77 (C1), ValleyTerrace_75 (C1), Wally_73 (C1), Willis_76 (C1), Yassified_71 (C1), YemiJoy2021_76 (C1), YoungMoneyMata_75 (C1), Yucca_74 (C1), Zalkecks_76 (C1), Zeenon_76 (C1), ZygoTaiga_74 (C1),

Start 8:

- Found in 166 of 181 (91.7%) of genes in pham
- Manual Annotations of this start: 2 of 164
- Called 4.2% of time when present
- Phage (with cluster) where this start called: BigCity_82 (C1), Blackdragon_69 (C1), EggyFarm_82 (C1), Grasshills_82 (C1), Halldule_67 (C1), InterFolia_84 (C1), Mikro_73 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

- Start number 7 was manually annotated 162 times for cluster C1.
- Start number 8 was manually annotated 2 times for cluster C1.

Gene Information:

Gene: Ading_75 Start: 25923, Stop: 26135, Start Num: 7

Candidate Starts for Ading_75:

(6, 25845), (Start: 7 @25923 has 162 MA's), (Start: 8 @25968 has 2 MA's), (9, 26022), (10, 26040), (11, 26070),

Gene: Adlitam_75 Start: 25940, Stop: 26152, Start Num: 7

Candidate Starts for Adlitam_75:

(6, 25862), (Start: 7 @25940 has 162 MA's), (Start: 8 @25985 has 2 MA's), (9, 26039), (10, 26057), (11, 26087),

Gene: Alice_67 Start: 24886, Stop: 25098, Start Num: 7

Candidate Starts for Alice_67:

(6, 24808), (Start: 7 @24886 has 162 MA's), (9, 24985), (10, 25003), (11, 25033),

Gene: Amataga_75 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Amataga_75:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: ArcherS7_75 Start: 26307, Stop: 26519, Start Num: 7

Candidate Starts for ArcherS7_75:

(6, 26229), (Start: 7 @26307 has 162 MA's), (Start: 8 @26352 has 2 MA's), (9, 26406), (10, 26424), (11, 26454),

Gene: Asterius_72 Start: 26342, Stop: 26554, Start Num: 7

Candidate Starts for Asterius_72:

(6, 26264), (Start: 7 @26342 has 162 MA's), (Start: 8 @26387 has 2 MA's), (9, 26441), (10, 26459), (11, 26489),

Gene: Astraea_74 Start: 26293, Stop: 26505, Start Num: 7

Candidate Starts for Astraea_74:

(6, 26215), (Start: 7 @26293 has 162 MA's), (9, 26392), (10, 26410), (11, 26440),

Gene: Atlantean_74 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Atlantean_74:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Audrick_77 Start: 25923, Stop: 26135, Start Num: 7

Candidate Starts for Audrick_77:

(6, 25845), (Start: 7 @25923 has 162 MA's), (Start: 8 @25968 has 2 MA's), (9, 26022), (10, 26040), (11, 26070),

Gene: Ava3_76 Start: 26740, Stop: 26952, Start Num: 7

Candidate Starts for Ava3_76:

(6, 26662), (Start: 7 @26740 has 162 MA's), (Start: 8 @26785 has 2 MA's), (9, 26839), (10, 26857), (11, 26887),

Gene: Babyland_74 Start: 25382, Stop: 25594, Start Num: 7

Candidate Starts for Babyland_74:

(6, 25304), (Start: 7 @25382 has 162 MA's), (Start: 8 @25427 has 2 MA's), (9, 25481), (10, 25499), (11, 25529),

Gene: BackyardAgain_72 Start: 25875, Stop: 26087, Start Num: 7

Candidate Starts for BackyardAgain_72:

(6, 25797), (Start: 7 @25875 has 162 MA's), (Start: 8 @25920 has 2 MA's), (9, 25974), (10, 25992), (11, 26022),

Gene: BadAgartude_72 Start: 26630, Stop: 26842, Start Num: 7

Candidate Starts for BadAgartude_72:

(6, 26552), (Start: 7 @26630 has 162 MA's), (Start: 8 @26675 has 2 MA's), (9, 26729), (10, 26747), (11, 26777),

Gene: BananaFence_74 Start: 26111, Stop: 26323, Start Num: 7

Candidate Starts for BananaFence_74:

(6, 26033), (Start: 7 @26111 has 162 MA's), (Start: 8 @26156 has 2 MA's), (9, 26210), (10, 26228), (11, 26258),

Gene: Bangla1971_76 Start: 26437, Stop: 26649, Start Num: 7

Candidate Starts for Bangla1971_76:

(6, 26359), (Start: 7 @26437 has 162 MA's), (Start: 8 @26482 has 2 MA's), (9, 26536), (10, 26554), (11, 26584),

Gene: Basquiat_71 Start: 25426, Stop: 25638, Start Num: 7

Candidate Starts for Basquiat_71:

(6, 25348), (Start: 7 @25426 has 162 MA's), (Start: 8 @25471 has 2 MA's), (9, 25525), (10, 25543), (11, 25573),

Gene: BeanWater_67 Start: 25577, Stop: 25789, Start Num: 7

Candidate Starts for BeanWater_67:

(6, 25499), (Start: 7 @25577 has 162 MA's), (Start: 8 @25622 has 2 MA's), (9, 25676), (10, 25694), (11, 25724),

Gene: BigCity_82 Start: 28813, Stop: 28980, Start Num: 8

Candidate Starts for BigCity_82:

(6, 28690), (Start: 7 @28768 has 162 MA's), (Start: 8 @28813 has 2 MA's), (9, 28867), (10, 28885), (11, 28915),

Gene: Bipolarisk_74 Start: 26393, Stop: 26605, Start Num: 7

Candidate Starts for Bipolarisk_74:

(6, 26315), (Start: 7 @26393 has 162 MA's), (Start: 8 @26438 has 2 MA's), (9, 26492), (10, 26510), (11, 26540),

Gene: Blackbrain_70 Start: 25243, Stop: 25455, Start Num: 7

Candidate Starts for Blackbrain_70:

(6, 25165), (Start: 7 @25243 has 162 MA's), (Start: 8 @25288 has 2 MA's), (9, 25342), (10, 25360), (11, 25390),

Gene: Blackdragon_69 Start: 25591, Stop: 25758, Start Num: 8

Candidate Starts for Blackdragon_69:

(6, 25468), (Start: 7 @25546 has 162 MA's), (Start: 8 @25591 has 2 MA's), (9, 25645), (10, 25663), (11, 25693),

Gene: Blubba_63 Start: 23587, Stop: 23799, Start Num: 7

Candidate Starts for Blubba_63:

(6, 23509), (Start: 7 @23587 has 162 MA's), (9, 23686), (10, 23704), (11, 23734),

Gene: Bonray_75 Start: 26673, Stop: 26885, Start Num: 7

Candidate Starts for Bonray_75:

(6, 26595), (Start: 7 @26673 has 162 MA's), (Start: 8 @26718 has 2 MA's), (9, 26772), (10, 26790), (11, 26820),

Gene: Bread_75 Start: 26679, Stop: 26891, Start Num: 7

Candidate Starts for Bread_75:

(6, 26601), (Start: 7 @26679 has 162 MA's), (Start: 8 @26724 has 2 MA's), (9, 26778), (10, 26796), (11, 26826),

Gene: Breeniome_75 Start: 25416, Stop: 25628, Start Num: 7

Candidate Starts for Breeniome_75:

(6, 25338), (Start: 7 @25416 has 162 MA's), (Start: 8 @25461 has 2 MA's), (9, 25515), (10, 25533), (11, 25563),

Gene: Burrough_75 Start: 26712, Stop: 26924, Start Num: 7

Candidate Starts for Burrough_75:

(6, 26634), (Start: 7 @26712 has 162 MA's), (Start: 8 @26757 has 2 MA's), (9, 26811), (10, 26829), (11, 26859),

Gene: Bxz1_75 Start: 27763, Stop: 27975, Start Num: 7

Candidate Starts for Bxz1_75:

(6, 27685), (Start: 7 @27763 has 162 MA's), (Start: 8 @27808 has 2 MA's), (9, 27862), (10, 27880), (11, 27910),

Gene: Cactojaque_70 Start: 25350, Stop: 25562, Start Num: 7

Candidate Starts for Cactojaque_70:

(6, 25272), (Start: 7 @25350 has 162 MA's), (Start: 8 @25395 has 2 MA's), (9, 25449), (10, 25467), (11, 25497),

Gene: Cali_70 Start: 26814, Stop: 27026, Start Num: 7

Candidate Starts for Cali_70:

(6, 26736), (Start: 7 @26814 has 162 MA's), (Start: 8 @26859 has 2 MA's), (9, 26913), (10, 26931), (11, 26961),

Gene: Capablanca_77 Start: 27069, Stop: 27281, Start Num: 7

Candidate Starts for Capablanca_77:

(6, 26991), (Start: 7 @27069 has 162 MA's), (Start: 8 @27114 has 2 MA's), (9, 27168), (10, 27186), (11, 27216),

Gene: Caravan_71 Start: 25741, Stop: 25953, Start Num: 7

Candidate Starts for Caravan_71:

(6, 25663), (Start: 7 @25741 has 162 MA's), (Start: 8 @25786 has 2 MA's), (9, 25840), (10, 25858), (11, 25888),

Gene: Catera_73 Start: 25562, Stop: 25774, Start Num: 7

Candidate Starts for Catera_73:

(6, 25484), (Start: 7 @25562 has 162 MA's), (9, 25661), (10, 25679), (11, 25709),

Gene: Chargie21_71 Start: 25426, Stop: 25638, Start Num: 7

Candidate Starts for Chargie21_71:

(6, 25348), (Start: 7 @25426 has 162 MA's), (Start: 8 @25471 has 2 MA's), (9, 25525), (10, 25543), (11, 25573),

Gene: CharlieB_71 Start: 24812, Stop: 25024, Start Num: 7

Candidate Starts for CharlieB_71:

(6, 24734), (Start: 7 @24812 has 162 MA's), (Start: 8 @24857 has 2 MA's), (9, 24911), (10, 24929), (11, 24959),

Gene: ChaylaJr_70 Start: 25141, Stop: 25353, Start Num: 7

Candidate Starts for ChaylaJr_70:

(6, 25063), (Start: 7 @25141 has 162 MA's), (Start: 8 @25186 has 2 MA's), (9, 25240), (10, 25258), (11, 25288),

Gene: ChickenPhender_71 Start: 25474, Stop: 25686, Start Num: 7

Candidate Starts for ChickenPhender_71:

(6, 25396), (Start: 7 @25474 has 162 MA's), (Start: 8 @25519 has 2 MA's), (9, 25573), (10, 25591), (11, 25621),

Gene: Chomp_72 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Chomp_72:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: CindyLou_76 Start: 26469, Stop: 26681, Start Num: 7

Candidate Starts for CindyLou_76:

(6, 26391), (Start: 7 @26469 has 162 MA's), (Start: 8 @26514 has 2 MA's), (9, 26568), (10, 26586), (11, 26616),

Gene: Colt_65 Start: 23938, Stop: 24150, Start Num: 7

Candidate Starts for Colt_65:

(6, 23860), (Start: 7 @23938 has 162 MA's), (Start: 8 @23983 has 2 MA's), (9, 24037), (10, 24055), (11, 24085),

Gene: Concombres_82 Start: 29010, Stop: 29222, Start Num: 7

Candidate Starts for Concombres_82:

(6, 28932), (Start: 7 @29010 has 162 MA's), (Start: 8 @29055 has 2 MA's), (9, 29109), (10, 29127), (11, 29157), (12, 29205),

Gene: DTDevon_76 Start: 27108, Stop: 27320, Start Num: 7

Candidate Starts for DTDevon_76:

(6, 27030), (Start: 7 @27108 has 162 MA's), (Start: 8 @27153 has 2 MA's), (9, 27207), (10, 27225), (11, 27255),

Gene: Daffodil_79 Start: 26681, Stop: 26893, Start Num: 7

Candidate Starts for Daffodil_79:

(6, 26603), (Start: 7 @26681 has 162 MA's), (Start: 8 @26726 has 2 MA's), (9, 26780), (10, 26798), (11, 26828),

Gene: Dandelion_81 Start: 28762, Stop: 28974, Start Num: 7

Candidate Starts for Dandelion_81:

(6, 28684), (Start: 7 @28762 has 162 MA's), (Start: 8 @28807 has 2 MA's), (9, 28861), (10, 28879), (11, 28909),

Gene: Darko_75 Start: 26851, Stop: 27063, Start Num: 7

Candidate Starts for Darko_75:

(6, 26773), (Start: 7 @26851 has 162 MA's), (Start: 8 @26896 has 2 MA's), (9, 26950), (10, 26968), (11, 26998),

Gene: Delilah_75 Start: 26682, Stop: 26894, Start Num: 7

Candidate Starts for Delilah_75:

(6, 26604), (Start: 7 @26682 has 162 MA's), (Start: 8 @26727 has 2 MA's), (9, 26781), (10, 26799), (11, 26829),

Gene: Delylah_78 Start: 26460, Stop: 26672, Start Num: 7

Candidate Starts for Delylah_78:

(6, 26382), (Start: 7 @26460 has 162 MA's), (Start: 8 @26505 has 2 MA's), (9, 26559), (10, 26577), (11, 26607),

Gene: Derek_75 Start: 26275, Stop: 26487, Start Num: 7

Candidate Starts for Derek_75:

(6, 26197), (Start: 7 @26275 has 162 MA's), (Start: 8 @26320 has 2 MA's), (9, 26374), (10, 26392), (11, 26422),

Gene: Dietrick_68 Start: 24800, Stop: 25012, Start Num: 7

Candidate Starts for Dietrick_68:

(6, 24722), (Start: 7 @24800 has 162 MA's), (Start: 8 @24845 has 2 MA's), (9, 24899), (10, 24917), (11, 24947),

Gene: DirtMonster_68 Start: 25671, Stop: 25883, Start Num: 7

Candidate Starts for DirtMonster_68:

(6, 25593), (Start: 7 @25671 has 162 MA's), (Start: 8 @25716 has 2 MA's), (9, 25770), (10, 25788), (11, 25818),

Gene: DrPhinkDaddy_74 Start: 26737, Stop: 26949, Start Num: 7

Candidate Starts for DrPhinkDaddy_74:

(6, 26659), (Start: 7 @26737 has 162 MA's), (Start: 8 @26782 has 2 MA's), (9, 26836), (10, 26854), (11, 26884),

Gene: Drazdys_75 Start: 26781, Stop: 26993, Start Num: 7

Candidate Starts for Drazdys_75:

(6, 26703), (Start: 7 @26781 has 162 MA's), (Start: 8 @26826 has 2 MA's), (9, 26880), (10, 26898), (11, 26928),

Gene: ET08_64 Start: 24680, Stop: 24892, Start Num: 7

Candidate Starts for ET08_64:

(6, 24602), (Start: 7 @24680 has 162 MA's), (Start: 8 @24725 has 2 MA's), (9, 24779), (10, 24797), (11, 24827),

Gene: EasyJones_77 Start: 26605, Stop: 26817, Start Num: 7

Candidate Starts for EasyJones_77:

(6, 26527), (Start: 7 @26605 has 162 MA's), (9, 26704), (10, 26722), (11, 26752),

Gene: EggyFarm_82 Start: 28813, Stop: 28980, Start Num: 8

Candidate Starts for EggyFarm_82:

(6, 28690), (Start: 7 @28768 has 162 MA's), (Start: 8 @28813 has 2 MA's), (9, 28867), (10, 28885), (11, 28915),

Gene: EmToTheThree_78 Start: 28154, Stop: 28366, Start Num: 7

Candidate Starts for EmToTheThree_78:

(6, 28076), (Start: 7 @28154 has 162 MA's), (Start: 8 @28199 has 2 MA's), (9, 28253), (10, 28271), (11, 28301),

Gene: EmmaElysia_74 Start: 25514, Stop: 25726, Start Num: 7

Candidate Starts for EmmaElysia_74:

(6, 25436), (Start: 7 @25514 has 162 MA's), (Start: 8 @25559 has 2 MA's), (9, 25613), (10, 25631), (11, 25661),

Gene: Erdmann_75 Start: 26682, Stop: 26894, Start Num: 7

Candidate Starts for Erdmann_75:

(6, 26604), (Start: 7 @26682 has 162 MA's), (Start: 8 @26727 has 2 MA's), (9, 26781), (10, 26799), (11, 26829),

Gene: ErnieJ_72 Start: 25502, Stop: 25714, Start Num: 7

Candidate Starts for ErnieJ_72:

(6, 25424), (Start: 7 @25502 has 162 MA's), (9, 25601), (10, 25619), (11, 25649),

Gene: Essence_72 Start: 25027, Stop: 25239, Start Num: 7

Candidate Starts for Essence_72:

(6, 24949), (Start: 7 @25027 has 162 MA's), (Start: 8 @25072 has 2 MA's), (9, 25126), (10, 25144), (11, 25174),

Gene: Ewok_76 Start: 26684, Stop: 26896, Start Num: 7

Candidate Starts for Ewok_76:

(6, 26606), (Start: 7 @26684 has 162 MA's), (Start: 8 @26729 has 2 MA's), (9, 26783), (10, 26801), (11, 26831),

Gene: Flabslab_70 Start: 25253, Stop: 25465, Start Num: 7

Candidate Starts for Flabslab_70:

(6, 25175), (Start: 7 @25253 has 162 MA's), (Start: 8 @25298 has 2 MA's), (9, 25352), (10, 25370), (11, 25400),

Gene: Fludd_75 Start: 25873, Stop: 26085, Start Num: 7

Candidate Starts for Fludd_75:

(6, 25795), (Start: 7 @25873 has 162 MA's), (Start: 8 @25918 has 2 MA's), (9, 25972), (10, 25990), (11, 26020),

Gene: FoxtrotP1_75 Start: 27069, Stop: 27281, Start Num: 7

Candidate Starts for FoxtrotP1_75:

(6, 26991), (Start: 7 @27069 has 162 MA's), (Start: 8 @27114 has 2 MA's), (9, 27168), (10, 27186), (11, 27216),

Gene: FrayBell_81 Start: 28014, Stop: 28226, Start Num: 7

Candidate Starts for FrayBell_81:

(6, 27936), (Start: 7 @28014 has 162 MA's), (Start: 8 @28059 has 2 MA's), (9, 28113), (10, 28131), (11, 28161),

Gene: FudgeTart_75 Start: 26149, Stop: 26361, Start Num: 7

Candidate Starts for FudgeTart_75:

(6, 26071), (Start: 7 @26149 has 162 MA's), (Start: 8 @26194 has 2 MA's), (9, 26248), (10, 26266), (11, 26296),

Gene: Gabriel_77 Start: 26177, Stop: 26389, Start Num: 7

Candidate Starts for Gabriel_77:

(6, 26099), (Start: 7 @26177 has 162 MA's), (Start: 8 @26222 has 2 MA's), (9, 26276), (10, 26294), (11, 26324),

Gene: Gamgam_75 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Gamgam_75:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Ghost_74 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Ghost_74:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Gizmo_79 Start: 26365, Stop: 26577, Start Num: 7

Candidate Starts for Gizmo_79:

(6, 26287), (Start: 7 @26365 has 162 MA's), (Start: 8 @26410 has 2 MA's), (9, 26464), (10, 26482), (11, 26512),

Gene: Grasshills_82 Start: 28813, Stop: 28980, Start Num: 8

Candidate Starts for Grasshills_82:

(6, 28690), (Start: 7 @28768 has 162 MA's), (Start: 8 @28813 has 2 MA's), (9, 28867), (10, 28885), (11, 28915),

Gene: Grungle_63 Start: 23364, Stop: 23576, Start Num: 7

Candidate Starts for Grungle_63:

(6, 23286), (Start: 7 @23364 has 162 MA's), (Start: 8 @23409 has 2 MA's), (9, 23463), (10, 23481), (11, 23511),

Gene: Guwapp_74 Start: 26039, Stop: 26251, Start Num: 7

Candidate Starts for Guwapp_74:

(6, 25961), (Start: 7 @26039 has 162 MA's), (Start: 8 @26084 has 2 MA's), (9, 26138), (10, 26156), (11, 26186),

Gene: Halldule_67 Start: 24439, Stop: 24606, Start Num: 8

Candidate Starts for Halldule_67:

(6, 24316), (Start: 7 @24394 has 162 MA's), (Start: 8 @24439 has 2 MA's), (9, 24493), (10, 24511), (11, 24541),

Gene: HyRo_68 Start: 25293, Stop: 25505, Start Num: 7
Candidate Starts for HyRo_68:
(6, 25215), (Start: 7 @25293 has 162 MA's), (9, 25392), (10, 25410), (11, 25440),

Gene: I3_79 Start: 26964, Stop: 27176, Start Num: 7
Candidate Starts for I3_79:
(6, 26886), (Start: 7 @26964 has 162 MA's), (Start: 8 @27009 has 2 MA's), (9, 27063), (10, 27081),
(11, 27111),

Gene: IkeLoa_69 Start: 24916, Stop: 25128, Start Num: 7
Candidate Starts for IkeLoa_69:
(6, 24838), (Start: 7 @24916 has 162 MA's), (Start: 8 @24961 has 2 MA's), (9, 25015), (10, 25033),
(11, 25063),

Gene: InigoMontoya_76 Start: 25905, Stop: 26117, Start Num: 7
Candidate Starts for InigoMontoya_76:
(6, 25827), (Start: 7 @25905 has 162 MA's), (Start: 8 @25950 has 2 MA's), (9, 26004), (10, 26022),
(11, 26052),

Gene: InterFolia_84 Start: 29179, Stop: 29346, Start Num: 8
Candidate Starts for InterFolia_84:
(6, 29056), (Start: 7 @29134 has 162 MA's), (Start: 8 @29179 has 2 MA's), (9, 29233), (10, 29251),
(11, 29281),

Gene: Iota_69 Start: 25723, Stop: 25935, Start Num: 7
Candidate Starts for Iota_69:
(6, 25645), (Start: 7 @25723 has 162 MA's), (Start: 8 @25768 has 2 MA's), (9, 25822), (10, 25840),
(11, 25870),

Gene: Issimir_73 Start: 26625, Stop: 26837, Start Num: 7
Candidate Starts for Issimir_73:
(6, 26547), (Start: 7 @26625 has 162 MA's), (Start: 8 @26670 has 2 MA's), (9, 26724), (10, 26742),
(11, 26772),

Gene: Izajani_75 Start: 26698, Stop: 26910, Start Num: 7
Candidate Starts for Izajani_75:
(6, 26620), (Start: 7 @26698 has 162 MA's), (Start: 8 @26743 has 2 MA's), (9, 26797), (10, 26815),
(11, 26845),

Gene: JPickles_73 Start: 24371, Stop: 24583, Start Num: 7
Candidate Starts for JPickles_73:
(6, 24293), (Start: 7 @24371 has 162 MA's), (Start: 8 @24416 has 2 MA's), (9, 24470), (10, 24488),
(11, 24518),

Gene: Janiyra_77 Start: 26703, Stop: 26915, Start Num: 7
Candidate Starts for Janiyra_77:
(6, 26625), (Start: 7 @26703 has 162 MA's), (Start: 8 @26748 has 2 MA's), (9, 26802), (10, 26820),
(11, 26850),

Gene: JayJay_77 Start: 27179, Stop: 27391, Start Num: 7
Candidate Starts for JayJay_77:
(6, 27101), (Start: 7 @27179 has 162 MA's), (Start: 8 @27224 has 2 MA's), (9, 27278), (10, 27296),
(11, 27326),

Gene: Jaygup_75 Start: 25941, Stop: 26153, Start Num: 7

Candidate Starts for Jaygup_75:

(6, 25863), (Start: 7 @25941 has 162 MA's), (Start: 8 @25986 has 2 MA's), (9, 26040), (10, 26058), (11, 26088),

Gene: Jedediah_78 Start: 26441, Stop: 26653, Start Num: 7

Candidate Starts for Jedediah_78:

(6, 26363), (Start: 7 @26441 has 162 MA's), (Start: 8 @26486 has 2 MA's), (9, 26540), (10, 26558), (11, 26588),

Gene: Jemmno_75 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Jemmno_75:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Jessibeth14_74 Start: 26467, Stop: 26679, Start Num: 7

Candidate Starts for Jessibeth14_74:

(6, 26389), (Start: 7 @26467 has 162 MA's), (Start: 8 @26512 has 2 MA's), (9, 26566), (10, 26584), (11, 26614),

Gene: JulietS_67 Start: 24245, Stop: 24457, Start Num: 7

Candidate Starts for JulietS_67:

(6, 24167), (Start: 7 @24245 has 162 MA's), (Start: 8 @24290 has 2 MA's), (9, 24344), (10, 24362), (11, 24392),

Gene: JustHall_71 Start: 26263, Stop: 26475, Start Num: 7

Candidate Starts for JustHall_71:

(6, 26185), (Start: 7 @26263 has 162 MA's), (Start: 8 @26308 has 2 MA's), (9, 26362), (10, 26380), (11, 26410),

Gene: Kamryn_75 Start: 26624, Stop: 26836, Start Num: 7

Candidate Starts for Kamryn_75:

(6, 26546), (Start: 7 @26624 has 162 MA's), (Start: 8 @26669 has 2 MA's), (9, 26723), (10, 26741), (11, 26771),

Gene: Kboogie_78 Start: 25985, Stop: 26197, Start Num: 7

Candidate Starts for Kboogie_78:

(6, 25907), (Start: 7 @25985 has 162 MA's), (Start: 8 @26030 has 2 MA's), (9, 26084), (10, 26102), (11, 26132),

Gene: Khaleesi_74 Start: 26429, Stop: 26641, Start Num: 7

Candidate Starts for Khaleesi_74:

(6, 26351), (Start: 7 @26429 has 162 MA's), (Start: 8 @26474 has 2 MA's), (9, 26528), (10, 26546), (11, 26576),

Gene: Koguma_71 Start: 24465, Stop: 24677, Start Num: 7

Candidate Starts for Koguma_71:

(6, 24387), (Start: 7 @24465 has 162 MA's), (Start: 8 @24510 has 2 MA's), (9, 24564), (10, 24582), (11, 24612),

Gene: LRRHood_69 Start: 25933, Stop: 26145, Start Num: 7

Candidate Starts for LRRHood_69:

(6, 25855), (Start: 7 @25933 has 162 MA's), (Start: 8 @25978 has 2 MA's), (9, 26032), (10, 26050), (11, 26080),

Gene: Latch_75 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Latch_75:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Lee7_73 Start: 26683, Stop: 26895, Start Num: 7

Candidate Starts for Lee7_73:

(6, 26605), (Start: 7 @26683 has 162 MA's), (Start: 8 @26728 has 2 MA's), (9, 26782), (10, 26800), (11, 26830),

Gene: LifeSavor_74 Start: 25664, Stop: 25876, Start Num: 7

Candidate Starts for LifeSavor_74:

(6, 25586), (Start: 7 @25664 has 162 MA's), (Start: 8 @25709 has 2 MA's), (9, 25763), (10, 25781), (11, 25811),

Gene: LinStu_74 Start: 27092, Stop: 27304, Start Num: 7

Candidate Starts for LinStu_74:

(6, 27014), (Start: 7 @27092 has 162 MA's), (Start: 8 @27137 has 2 MA's), (9, 27191), (10, 27209), (11, 27239),

Gene: Littleton_75 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Littleton_75:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Loanshark_75 Start: 26682, Stop: 26894, Start Num: 7

Candidate Starts for Loanshark_75:

(6, 26604), (Start: 7 @26682 has 162 MA's), (Start: 8 @26727 has 2 MA's), (9, 26781), (10, 26799), (11, 26829),

Gene: LolaVinca_77 Start: 27843, Stop: 28055, Start Num: 7

Candidate Starts for LolaVinca_77:

(6, 27765), (Start: 7 @27843 has 162 MA's), (Start: 8 @27888 has 2 MA's), (9, 27942), (10, 27960), (11, 27990),

Gene: LordLeafolot_79 Start: 28013, Stop: 28225, Start Num: 7

Candidate Starts for LordLeafolot_79:

(6, 27935), (Start: 7 @28013 has 162 MA's), (Start: 8 @28058 has 2 MA's), (9, 28112), (10, 28130), (11, 28160),

Gene: Lukilu_65 Start: 25135, Stop: 25347, Start Num: 7

Candidate Starts for Lukilu_65:

(6, 25057), (Start: 7 @25135 has 162 MA's), (Start: 8 @25180 has 2 MA's), (9, 25234), (10, 25252), (11, 25282),

Gene: Maby2021_75 Start: 26363, Stop: 26575, Start Num: 7

Candidate Starts for Maby2021_75:

(6, 26285), (Start: 7 @26363 has 162 MA's), (Start: 8 @26408 has 2 MA's), (9, 26462), (10, 26480), (11, 26510),

Gene: Mangeria_75 Start: 26104, Stop: 26316, Start Num: 7

Candidate Starts for Mangeria_75:

(1, 25930), (2, 25963), (3, 25987), (4, 25990), (5, 25993), (Start: 7 @26104 has 162 MA's), (Start: 8 @26149 has 2 MA's), (9, 26203), (10, 26221), (11, 26251),

Gene: Matsumoto_73 Start: 25905, Stop: 26117, Start Num: 7

Candidate Starts for Matsumoto_73:

(6, 25827), (Start: 7 @25905 has 162 MA's), (Start: 8 @25950 has 2 MA's), (9, 26004), (10, 26022), (11, 26052),

Gene: McGee_76 Start: 25128, Stop: 25340, Start Num: 7

Candidate Starts for McGee_76:

(6, 25050), (Start: 7 @25128 has 162 MA's), (Start: 8 @25173 has 2 MA's), (9, 25227), (10, 25245), (11, 25275),

Gene: McWolfish_73 Start: 26110, Stop: 26322, Start Num: 7

Candidate Starts for McWolfish_73:

(6, 26032), (Start: 7 @26110 has 162 MA's), (Start: 8 @26155 has 2 MA's), (9, 26209), (10, 26227), (11, 26257),

Gene: Megamind_74 Start: 26348, Stop: 26560, Start Num: 7

Candidate Starts for Megamind_74:

(6, 26270), (Start: 7 @26348 has 162 MA's), (Start: 8 @26393 has 2 MA's), (9, 26447), (10, 26465), (11, 26495),

Gene: Melpomini_69 Start: 24570, Stop: 24782, Start Num: 7

Candidate Starts for Melpomini_69:

(6, 24492), (Start: 7 @24570 has 162 MA's), (9, 24669), (10, 24687), (11, 24717),

Gene: MikeLiesIn_75 Start: 26695, Stop: 26907, Start Num: 7

Candidate Starts for MikeLiesIn_75:

(6, 26617), (Start: 7 @26695 has 162 MA's), (Start: 8 @26740 has 2 MA's), (9, 26794), (10, 26812), (11, 26842),

Gene: Mikro_73 Start: 27534, Stop: 27701, Start Num: 8

Candidate Starts for Mikro_73:

(6, 27411), (Start: 7 @27489 has 162 MA's), (Start: 8 @27534 has 2 MA's), (9, 27588), (10, 27606), (11, 27636),

Gene: MoMoMixon_75 Start: 26780, Stop: 26992, Start Num: 7

Candidate Starts for MoMoMixon_75:

(6, 26702), (Start: 7 @26780 has 162 MA's), (Start: 8 @26825 has 2 MA's), (9, 26879), (10, 26897), (11, 26927),

Gene: Momo_74 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Momo_74:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Morizzled23_76 Start: 26185, Stop: 26397, Start Num: 7

Candidate Starts for Morizzled23_76:

(6, 26107), (Start: 7 @26185 has 162 MA's), (9, 26284), (10, 26302), (11, 26332),

Gene: Naija_74 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Naija_74:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Napoleon13_71 Start: 24490, Stop: 24702, Start Num: 7

Candidate Starts for Napoleon13_71:

(6, 24412), (Start: 7 @24490 has 162 MA's), (Start: 8 @24535 has 2 MA's), (9, 24589), (10, 24607), (11, 24637),

Gene: Nappy_76 Start: 26984, Stop: 27196, Start Num: 7

Candidate Starts for Nappy_76:

(6, 26906), (Start: 7 @26984 has 162 MA's), (Start: 8 @27029 has 2 MA's), (9, 27083), (10, 27101), (11, 27131),

Gene: Naval22_80 Start: 27705, Stop: 27917, Start Num: 7

Candidate Starts for Naval22_80:

(6, 27627), (Start: 7 @27705 has 162 MA's), (Start: 8 @27750 has 2 MA's), (9, 27804), (10, 27822), (11, 27852),

Gene: NedWong_76 Start: 26682, Stop: 26894, Start Num: 7

Candidate Starts for NedWong_76:

(6, 26604), (Start: 7 @26682 has 162 MA's), (Start: 8 @26727 has 2 MA's), (9, 26781), (10, 26799), (11, 26829),

Gene: Ngannou_71 Start: 24926, Stop: 25138, Start Num: 7

Candidate Starts for Ngannou_71:

(6, 24848), (Start: 7 @24926 has 162 MA's), (Start: 8 @24971 has 2 MA's), (9, 25025), (10, 25043), (11, 25073),

Gene: Nidhogg_75 Start: 26536, Stop: 26748, Start Num: 7

Candidate Starts for Nidhogg_75:

(6, 26458), (Start: 7 @26536 has 162 MA's), (Start: 8 @26581 has 2 MA's), (9, 26635), (10, 26653), (11, 26683),

Gene: NoodleTree_78 Start: 27132, Stop: 27344, Start Num: 7

Candidate Starts for NoodleTree_78:

(6, 27054), (Start: 7 @27132 has 162 MA's), (Start: 8 @27177 has 2 MA's), (9, 27231), (10, 27249), (11, 27279),

Gene: Norm_76 Start: 26684, Stop: 26896, Start Num: 7

Candidate Starts for Norm_76:

(6, 26606), (Start: 7 @26684 has 162 MA's), (Start: 8 @26729 has 2 MA's), (9, 26783), (10, 26801), (11, 26831),

Gene: NuevoMundo_81 Start: 28062, Stop: 28274, Start Num: 7

Candidate Starts for NuevoMundo_81:

(6, 27984), (Start: 7 @28062 has 162 MA's), (Start: 8 @28107 has 2 MA's), (9, 28161), (10, 28179), (11, 28209),

Gene: ParkTD_76 Start: 26678, Stop: 26890, Start Num: 7

Candidate Starts for ParkTD_76:

(6, 26600), (Start: 7 @26678 has 162 MA's), (Start: 8 @26723 has 2 MA's), (9, 26777), (10, 26795), (11, 26825),

Gene: Patter_75 Start: 25961, Stop: 26173, Start Num: 7

Candidate Starts for Patter_75:

(6, 25883), (Start: 7 @25961 has 162 MA's), (Start: 8 @26006 has 2 MA's), (9, 26060), (10, 26078), (11, 26108),

Gene: Phlegm_77 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Phlegm_77:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Phox_71 Start: 26615, Stop: 26827, Start Num: 7

Candidate Starts for Phox_71:

(6, 26537), (Start: 7 @26615 has 162 MA's), (Start: 8 @26660 has 2 MA's), (9, 26714), (10, 26732), (11, 26762),

Gene: Phusco_75 Start: 26754, Stop: 26966, Start Num: 7

Candidate Starts for Phusco_75:

(6, 26676), (Start: 7 @26754 has 162 MA's), (Start: 8 @26799 has 2 MA's), (9, 26853), (10, 26871), (11, 26901),

Gene: Pier_79 Start: 26763, Stop: 26975, Start Num: 7

Candidate Starts for Pier_79:

(6, 26685), (Start: 7 @26763 has 162 MA's), (Start: 8 @26808 has 2 MA's), (9, 26862), (10, 26880), (11, 26910),

Gene: Pinkcreek_65 Start: 24197, Stop: 24409, Start Num: 7

Candidate Starts for Pinkcreek_65:

(6, 24119), (Start: 7 @24197 has 162 MA's), (9, 24296), (10, 24314), (11, 24344),

Gene: Pio_78 Start: 27381, Stop: 27593, Start Num: 7

Candidate Starts for Pio_78:

(6, 27303), (Start: 7 @27381 has 162 MA's), (Start: 8 @27426 has 2 MA's), (9, 27480), (10, 27498), (11, 27528),

Gene: Pivoine_74 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for Pivoine_74:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Pleione_77 Start: 26681, Stop: 26893, Start Num: 7

Candidate Starts for Pleione_77:

(6, 26603), (Start: 7 @26681 has 162 MA's), (Start: 8 @26726 has 2 MA's), (9, 26780), (10, 26798), (11, 26828),

Gene: PurduePete_75 Start: 26726, Stop: 26938, Start Num: 7

Candidate Starts for PurduePete_75:

(6, 26648), (Start: 7 @26726 has 162 MA's), (Start: 8 @26771 has 2 MA's), (9, 26825), (10, 26843), (11, 26873),

Gene: QBert_69 Start: 26477, Stop: 26689, Start Num: 7

Candidate Starts for QBert_69:

(6, 26399), (Start: 7 @26477 has 162 MA's), (Start: 8 @26522 has 2 MA's), (9, 26576), (10, 26594), (11, 26624),

Gene: Quasimodo_75 Start: 26962, Stop: 27174, Start Num: 7

Candidate Starts for Quasimodo_75:

(6, 26884), (Start: 7 @26962 has 162 MA's), (Start: 8 @27007 has 2 MA's), (9, 27061), (10, 27079), (11, 27109),

Gene: Rabinovish_72 Start: 26911, Stop: 27123, Start Num: 7

Candidate Starts for Rabinovish_72:

(6, 26833), (Start: 7 @26911 has 162 MA's), (9, 27010), (10, 27028), (11, 27058),

Gene: Rahel_74 Start: 25542, Stop: 25754, Start Num: 7

Candidate Starts for Rahel_74:

(6, 25464), (Start: 7 @25542 has 162 MA's), (Start: 8 @25587 has 2 MA's), (9, 25641), (10, 25659), (11, 25689),

Gene: Rizal_72 Start: 25599, Stop: 25811, Start Num: 7

Candidate Starts for Rizal_72:

(6, 25521), (Start: 7 @25599 has 162 MA's), (Start: 8 @25644 has 2 MA's), (9, 25698), (10, 25716), (11, 25746),

Gene: RoMag_70 Start: 25924, Stop: 26136, Start Num: 7

Candidate Starts for RoMag_70:

(6, 25846), (Start: 7 @25924 has 162 MA's), (Start: 8 @25969 has 2 MA's), (9, 26023), (10, 26041), (11, 26071),

Gene: Ronan_68 Start: 23432, Stop: 23644, Start Num: 7

Candidate Starts for Ronan_68:

(6, 23354), (Start: 7 @23432 has 162 MA's), (Start: 8 @23477 has 2 MA's), (9, 23531), (10, 23549), (11, 23579),

Gene: Roots515_74 Start: 26403, Stop: 26615, Start Num: 7

Candidate Starts for Roots515_74:

(6, 26325), (Start: 7 @26403 has 162 MA's), (Start: 8 @26448 has 2 MA's), (9, 26502), (10, 26520), (11, 26550),

Gene: Salacia_79 Start: 27056, Stop: 27268, Start Num: 7

Candidate Starts for Salacia_79:

(6, 26978), (Start: 7 @27056 has 162 MA's), (Start: 8 @27101 has 2 MA's), (9, 27155), (10, 27173), (11, 27203),

Gene: Sauce_75 Start: 25831, Stop: 26043, Start Num: 7

Candidate Starts for Sauce_75:

(6, 25753), (Start: 7 @25831 has 162 MA's), (Start: 8 @25876 has 2 MA's), (9, 25930), (10, 25948), (11, 25978),

Gene: ScottMcG_72 Start: 26460, Stop: 26672, Start Num: 7

Candidate Starts for ScottMcG_72:

(6, 26382), (Start: 7 @26460 has 162 MA's), (9, 26559), (10, 26577), (11, 26607),

Gene: Sebata_75 Start: 27211, Stop: 27423, Start Num: 7

Candidate Starts for Sebata_75:

(6, 27133), (Start: 7 @27211 has 162 MA's), (Start: 8 @27256 has 2 MA's), (9, 27310), (10, 27328), (11, 27358),

Gene: Shaqnato_67 Start: 24355, Stop: 24567, Start Num: 7

Candidate Starts for Shaqnato_67:

(6, 24277), (Start: 7 @24355 has 162 MA's), (Start: 8 @24400 has 2 MA's), (9, 24454), (10, 24472), (11, 24502),

Gene: Shelob_77 Start: 27674, Stop: 27886, Start Num: 7

Candidate Starts for Shelob_77:

(6, 27596), (Start: 7 @27674 has 162 MA's), (Start: 8 @27719 has 2 MA's), (9, 27773), (10, 27791), (11, 27821),

Gene: ShiaLabeouf_75 Start: 26381, Stop: 26593, Start Num: 7

Candidate Starts for ShiaLabeouf_75:

(6, 26303), (Start: 7 @26381 has 162 MA's), (Start: 8 @26426 has 2 MA's), (9, 26480), (10, 26498), (11, 26528),

Gene: Shifa_65 Start: 24740, Stop: 24952, Start Num: 7

Candidate Starts for Shifa_65:

(6, 24662), (Start: 7 @24740 has 162 MA's), (9, 24839), (10, 24857), (11, 24887),

Gene: Shnickers_75 Start: 25941, Stop: 26153, Start Num: 7

Candidate Starts for Shnickers_75:

(6, 25863), (Start: 7 @25941 has 162 MA's), (Start: 8 @25986 has 2 MA's), (9, 26040), (10, 26058), (11, 26088),

Gene: Shrimp_75 Start: 26686, Stop: 26898, Start Num: 7

Candidate Starts for Shrimp_75:

(6, 26608), (Start: 7 @26686 has 162 MA's), (Start: 8 @26731 has 2 MA's), (9, 26785), (10, 26803), (11, 26833),

Gene: SilverDipper_76 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for SilverDipper_76:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: SmallFry_75 Start: 25940, Stop: 26152, Start Num: 7

Candidate Starts for SmallFry_75:

(6, 25862), (Start: 7 @25940 has 162 MA's), (Start: 8 @25985 has 2 MA's), (9, 26039), (10, 26057), (11, 26087),

Gene: Spec_70 Start: 25313, Stop: 25525, Start Num: 7

Candidate Starts for Spec_70:

(6, 25235), (Start: 7 @25313 has 162 MA's), (Start: 8 @25358 has 2 MA's), (9, 25412), (10, 25430), (11, 25460),

Gene: Specks_81 Start: 28477, Stop: 28689, Start Num: 7

Candidate Starts for Specks_81:

(6, 28399), (Start: 7 @28477 has 162 MA's), (Start: 8 @28522 has 2 MA's), (9, 28576), (10, 28594), (11, 28624),

Gene: Sprinklers_70 Start: 25203, Stop: 25415, Start Num: 7

Candidate Starts for Sprinklers_70:

(6, 25125), (Start: 7 @25203 has 162 MA's), (Start: 8 @25248 has 2 MA's), (9, 25302), (10, 25320), (11, 25350),

Gene: Spud_74 Start: 26997, Stop: 27209, Start Num: 7

Candidate Starts for Spud_74:

(6, 26919), (Start: 7 @26997 has 162 MA's), (Start: 8 @27042 has 2 MA's), (9, 27096), (10, 27114), (11, 27144),

Gene: SrishMeg2525_74 Start: 26393, Stop: 26605, Start Num: 7

Candidate Starts for SrishMeg2525_74:

(6, 26315), (Start: 7 @26393 has 162 MA's), (Start: 8 @26438 has 2 MA's), (9, 26492), (10, 26510), (11, 26540),

Gene: StephanieG_75 Start: 27381, Stop: 27593, Start Num: 7

Candidate Starts for StephanieG_75:

(6, 27303), (Start: 7 @27381 has 162 MA's), (Start: 8 @27426 has 2 MA's), (9, 27480), (10, 27498), (11, 27528), (12, 27576),

Gene: Stubby_68 Start: 25524, Stop: 25736, Start Num: 7

Candidate Starts for Stubby_68:

(6, 25446), (Start: 7 @25524 has 162 MA's), (9, 25623), (10, 25641), (11, 25671),

Gene: StubbySaigey_76 Start: 25322, Stop: 25534, Start Num: 7

Candidate Starts for StubbySaigey_76:

(6, 25244), (Start: 7 @25322 has 162 MA's), (Start: 8 @25367 has 2 MA's), (9, 25421), (10, 25439), (11, 25469),

Gene: Teardrop_75 Start: 25801, Stop: 26013, Start Num: 7

Candidate Starts for Teardrop_75:

(6, 25723), (Start: 7 @25801 has 162 MA's), (Start: 8 @25846 has 2 MA's), (9, 25900), (10, 25918), (11, 25948),

Gene: TinyTim_75 Start: 26682, Stop: 26894, Start Num: 7

Candidate Starts for TinyTim_75:

(6, 26604), (Start: 7 @26682 has 162 MA's), (Start: 8 @26727 has 2 MA's), (9, 26781), (10, 26799), (11, 26829),

Gene: Tortoise16_73 Start: 26448, Stop: 26660, Start Num: 7

Candidate Starts for Tortoise16_73:

(6, 26370), (Start: 7 @26448 has 162 MA's), (Start: 8 @26493 has 2 MA's), (9, 26547), (10, 26565), (11, 26595),

Gene: Trinitium_71 Start: 25459, Stop: 25671, Start Num: 7

Candidate Starts for Trinitium_71:

(6, 25381), (Start: 7 @25459 has 162 MA's), (Start: 8 @25504 has 2 MA's), (9, 25558), (10, 25576), (11, 25606),

Gene: Turret_70 Start: 25125, Stop: 25337, Start Num: 7

Candidate Starts for Turret_70:

(6, 25047), (Start: 7 @25125 has 162 MA's), (Start: 8 @25170 has 2 MA's), (9, 25224), (10, 25242), (11, 25272),

Gene: Tyke_77 Start: 27352, Stop: 27564, Start Num: 7

Candidate Starts for Tyke_77:

(6, 27274), (Start: 7 @27352 has 162 MA's), (Start: 8 @27397 has 2 MA's), (9, 27451), (10, 27469), (11, 27499),

Gene: ValleyTerrace_75 Start: 25944, Stop: 26156, Start Num: 7

Candidate Starts for ValleyTerrace_75:

(6, 25866), (Start: 7 @25944 has 162 MA's), (Start: 8 @25989 has 2 MA's), (9, 26043), (10, 26061), (11, 26091),

Gene: Wally_73 Start: 25237, Stop: 25449, Start Num: 7

Candidate Starts for Wally_73:

(6, 25159), (Start: 7 @25237 has 162 MA's), (Start: 8 @25282 has 2 MA's), (9, 25336), (10, 25354), (11, 25384),

Gene: Willis_76 Start: 26577, Stop: 26789, Start Num: 7

Candidate Starts for Willis_76:

(6, 26499), (Start: 7 @26577 has 162 MA's), (Start: 8 @26622 has 2 MA's), (9, 26676), (10, 26694), (11, 26724),

Gene: Yassified_71 Start: 25516, Stop: 25728, Start Num: 7

Candidate Starts for Yassified_71:

(6, 25438), (Start: 7 @25516 has 162 MA's), (9, 25615), (10, 25633), (11, 25663),

Gene: YemiJoy2021_76 Start: 26679, Stop: 26891, Start Num: 7

Candidate Starts for YemiJoy2021_76:

(6, 26601), (Start: 7 @26679 has 162 MA's), (Start: 8 @26724 has 2 MA's), (9, 26778), (10, 26796), (11, 26826),

Gene: YoungMoneyMata_75 Start: 25695, Stop: 25907, Start Num: 7

Candidate Starts for YoungMoneyMata_75:

(6, 25617), (Start: 7 @25695 has 162 MA's), (Start: 8 @25740 has 2 MA's), (9, 25794), (10, 25812), (11, 25842),

Gene: Yucca_74 Start: 26604, Stop: 26816, Start Num: 7

Candidate Starts for Yucca_74:

(6, 26526), (Start: 7 @26604 has 162 MA's), (Start: 8 @26649 has 2 MA's), (9, 26703), (10, 26721), (11, 26751),

Gene: Zalkecks_76 Start: 26367, Stop: 26579, Start Num: 7

Candidate Starts for Zalkecks_76:

(6, 26289), (Start: 7 @26367 has 162 MA's), (Start: 8 @26412 has 2 MA's), (9, 26466), (10, 26484), (11, 26514),

Gene: Zeenon_76 Start: 26669, Stop: 26881, Start Num: 7

Candidate Starts for Zeenon_76:

(6, 26591), (Start: 7 @26669 has 162 MA's), (Start: 8 @26714 has 2 MA's), (9, 26768), (10, 26786), (11, 26816),

Gene: ZygoTaiga_74 Start: 26683, Stop: 26895, Start Num: 7

Candidate Starts for ZygoTaiga_74:

(6, 26605), (Start: 7 @26683 has 162 MA's), (Start: 8 @26728 has 2 MA's), (9, 26782), (10, 26800),
(11, 26830),