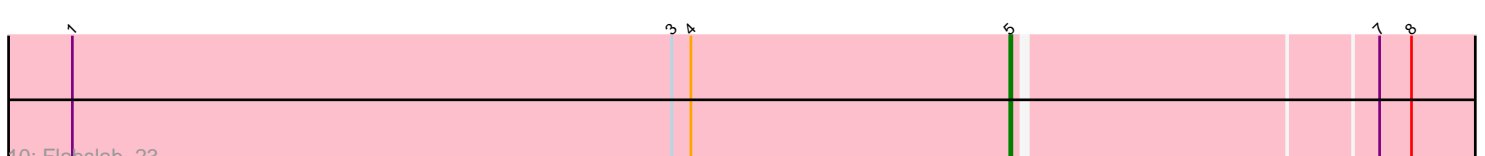
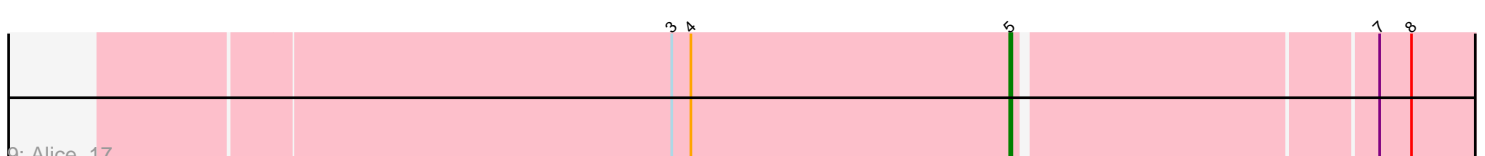
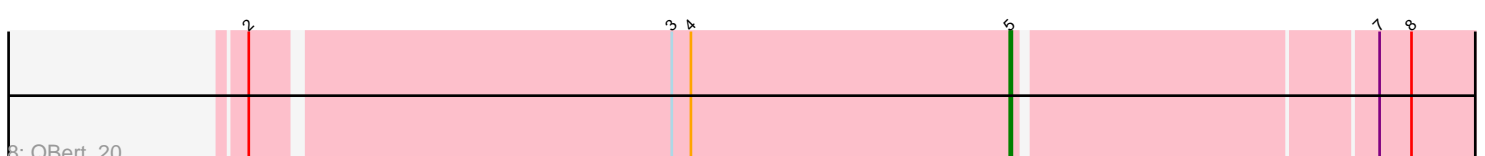
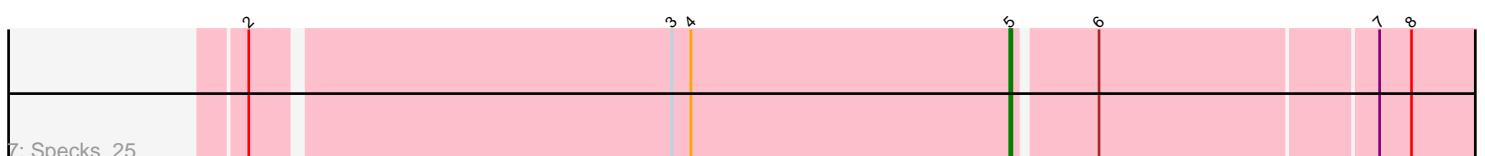
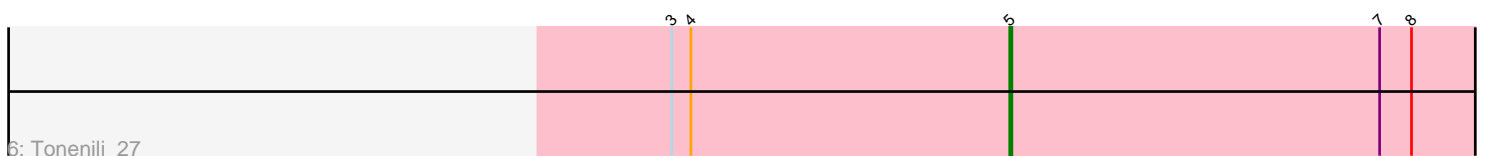
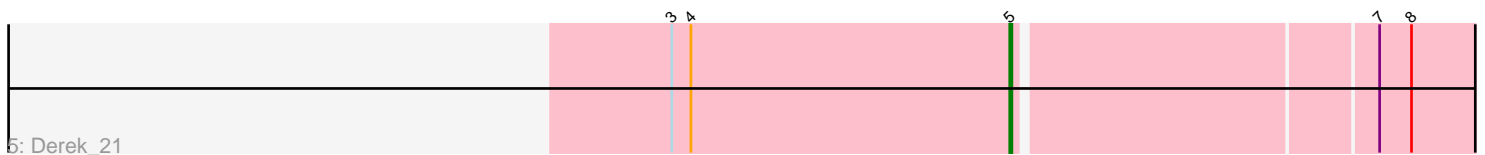
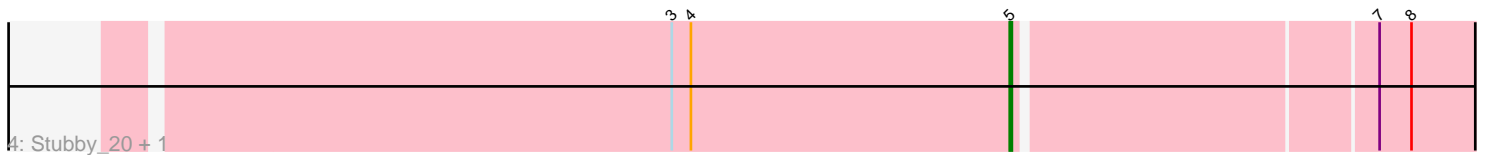
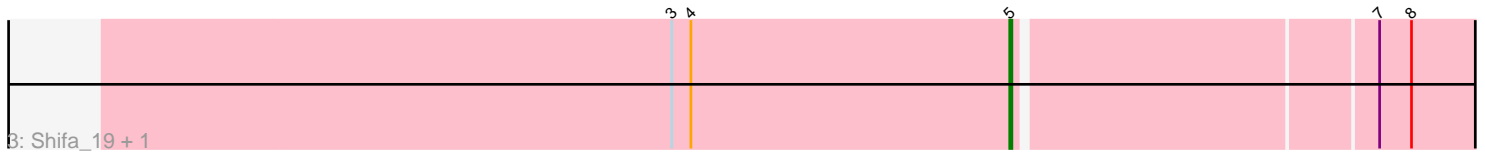
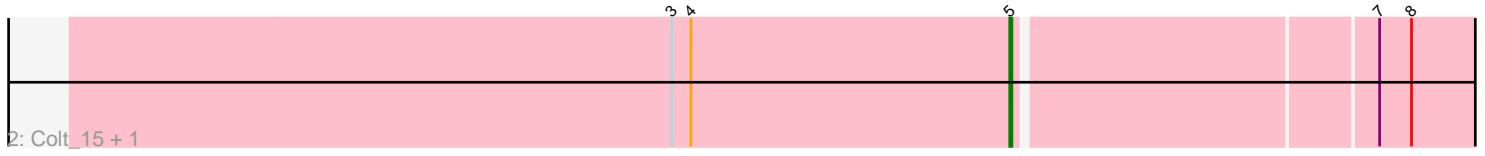
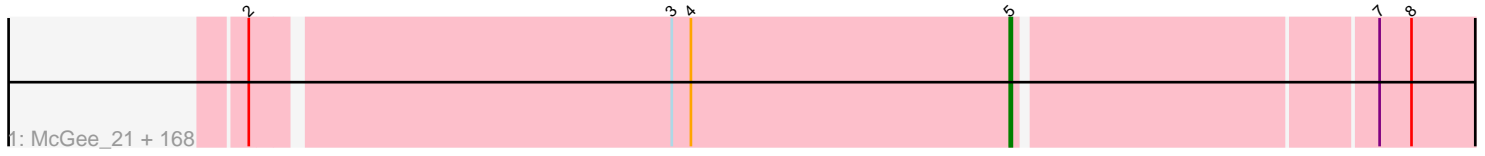


Pham 163374



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 163374 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163374 has 181 members, 15 are drafts.

Phages represented in each track:

- Track 1 : McGee_21, Kboogie_21, Asterius_21, LolaVinca_24, Teardrop_20, Pleione_23, Chomp_19, Ghost_21, ZygoTaiga_22, Ava3_22, Janiyra_20, Bigswole_26, Koguma_18, RoMag_16, Amataga_20, EmToTheThree_24, BackyardAgain_19, Izajani_22, Turret_20, Shnickers_20, Jessibeth14_21, Khaleesi_21, MoMoMixon_23, Astraea_22, Rizal_20, IkeLoa_17, Blackbrain_20, NedWong_22, Patter_20, I3_23, LifeSavor_21, Jemmno_20, CharlieB_22, ArcherS7_20, Drazdys_22, Zalkecks_23, Trinitium_20, LordLeafolot_27, Pier_23, PurduePete_21, SrishMeg2525_21, Phox_21, JulietS_17, Rabinovish_21, TinyTim_21, Spec_19, Bangla1971_20, Babyland_20, Bread_22, SmallFry_20, BeanWater_17, ET08_18, Lee7_21, EggyFarm_25, Morizzled23_20, InigoMontoya_22, Concombre_21, ChickenPhender_20, Ading_20, Atlantean_20, Bonray_21, Spud_24, NuevoMundo_25, Norm_21, Yucca_21, Grasshills_25, Nappy_23, Sprinklers_22, InterFolia_27, FrayBell_27, ParkTD_21, Burrough_22, Ronan_17, Cali_23, Latch_20, Phlegm_22, Dietrick_18, Tyke_23, Gamgam_20, Darko_20, Bxz1_23, Basquiat_20, Yassified_19, Pivoine_20, Shelob_24, Daffodil_23, Breeniome_21, Adlitam_20, Salacia_23, Gabriel_21, Jedediah_21, YemiJoy2021_22, Zeenon_24, Delilah_21, Kamryn_20, Guwapp_20, Dandelion_25, StubbySaigey_21, FudgeTart_22, Sauce_23, CindyLou_20, ChaylaJr_20, ErnieJ_24, DrPhinkDaddy_21, Shaqato_18, Sebata_23, Willis_22, Loanshark_21, Melpomini_20, Delylah_24, Bipolarisk_21, Halldule_18, Littleton_21, FoxtrotP1_22, ShiaLabeouf_20, Naval22_23, BigCity_25, ValleyTerrace_20, BadAgartude_23, Quasimodo_20, YoungMoneyMata_21, Mikro_20, Iota_19, Tortoise16_19, Ngannou_20, Phusco_20, Maby2021_22, NoodleTree_20, Erdmann_22, BananaFence_23, Lukilu_16, EasyJones_21, Fludd_20, EmmaElysia_20, Capablanca_22, DirtMonster_19, Chargie21_20, LinStu_23, Matsumoto_19, Roots515_21, Jaygup_20, SilverDipper_21, LRRHood_20, Audrick_22, StephanieG_22, McWolfish_21, Caravan_21, Gizmo_23, Issimir_21, Nidhogg_23, JustHall_20, ScottMcG_23, Rahel_20, JayJay_23, Megamind_21, Catera_20, JPickles_20, Essence_20, MikeLiesIn_22, Pio_24, Momo_20, Grungle_16, Wally_20, Shrimp_21, Cactojaque_19, Ewok_21, DTDevon_22, Napoleon13_20, Naija_20
- Track 2 : Colt_15, Cane17_15
- Track 3 : Shifa_19, HyRo_20
- Track 4 : Stubby_20, Pinkcreek_14
- Track 5 : Derek_21
- Track 6 : Tonenili_27
- Track 7 : Specks_25
- Track 8 : QBert_20

- Track 9 : Alice_17
- Track 10 : Flabslab_23

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

The start number called the most often in the published annotations is 5, it was called in 166 of the 166 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_20, Adlitam_20, Alice_17, Amataga_20, ArcherS7_20, Asterius_21, Astraea_22, Atlantean_20, Audrick_22, Ava3_22, Babyland_20, BackyardAgain_19, BadAgartude_23, BananaFence_23, Bangla1971_20, Basquiat_20, BeanWater_17, BigCity_25, Bigswole_26, Bipolarisk_21, Blackbrain_20, Bonray_21, Bread_22, Breeniome_21, Burrough_22, Bxz1_23, Cactojaque_19, Cali_23, Cane17_15, Capablanca_22, Caravan_21, Catera_20, Chargie21_20, CharlieB_22, ChaylaJr_20, ChickenPhender_20, Chomp_19, CindyLou_20, Colt_15, Concombre_21, DTDevon_22, Daffodil_23, Dandelion_25, Darko_20, Delilah_21, Delylah_24, Derek_21, Dietrick_18, DirtMonster_19, DrPhinkDaddy_21, Drazdys_22, ET08_18, EasyJones_21, EggyFarm_25, EmToTheThree_24, EmmaElysia_20, Erdmann_22, ErnieJ_24, Essence_20, Ewok_21, Flabslab_23, Fludd_20, FoxtrotP1_22, FrayBell_27, FudgeTart_22, Gabriel_21, Gamgam_20, Ghost_21, Gizmo_23, Grasshills_25, Grungle_16, Guwapp_20, Halldule_18, HyRo_20, I3_23, IkeLoa_17, InigoMontoya_22, InterFolia_27, Iota_19, Issimir_21, Izajani_22, JPickles_20, Janiyra_20, JayJay_23, Jaygup_20, Jedediah_21, Jemmno_20, Jessibeth14_21, JulietS_17, JustHall_20, Kamryn_20, Kboogie_21, Khaleesi_21, Koguma_18, LRRHood_20, Latch_20, Lee7_21, LifeSavor_21, LinStu_23, Littleton_21, Loanshark_21, LolaVinca_24, LordLeafolot_27, Lukilu_16, Maby2021_22, Matsumoto_19, McGee_21, McWolfish_21, Megamind_21, Melpomini_20, MikeLiesIn_22, Mikro_20, MoMoMixon_23, Momo_20, Morizzled23_20, Naija_20, Napoleon13_20, Nappy_23, Naval22_23, NedWong_22, Ngannou_20, Nidhogg_23, NoodleTree_20, Norm_21, NuevoMundo_25, ParkTD_21, Patter_20, Phlegm_22, Phox_21, Phusco_20, Pier_23, Pinkcreek_14, Pio_24, Pivoine_20, Pleione_23, PurduePete_21, QBert_20, Quasimodo_20, Rabinovish_21, Rahel_20, Rizal_20, RoMag_16, Ronan_17, Roots515_21, Salacia_23, Sauce_23, ScottMcG_23, Sebata_23, Shaqnato_18, Shelob_24, ShiaLabeouf_20, Shifa_19, Shnickers_20, Shrimp_21, SilverDipper_21, SmallFry_20, Spec_19, Specks_25, Sprinklers_22, Spud_24, SrishMeg2525_21, StephanieG_22, StubbySaigey_21, Stubby_20, Teardrop_20, TinyTim_21, Tonenili_27, Tortoise16_19, Trinitium_20, Turret_20, Tyke_23, ValleyTerrace_20, Wally_20, Willis_22, Yassified_19, YemiJoy2021_22, YoungMoneyMata_21, Yucca_21, Zalkecks_23, Zeenon_24, ZygoTaiga_22,

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 5:

- Found in 181 of 181 (100.0%) of genes in pham
- Manual Annotations of this start: 166 of 166
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ading_20 (C1), Adlitam_20 (C1), Alice_17 (C1), Amataga_20 (C1), ArcherS7_20 (C1), Asterius_21 (C1), Astraea_22 (C1), Atlantean_20 (C1), Audrick_22 (C1), Ava3_22 (C1), Babyland_20 (C1), BackyardAgain_19 (C1), BadAgartude_23 (C1), BananaFence_23 (C1), Bangla1971_20 (C1), Basquiat_20 (C1), BeanWater_17 (C1), BigCity_25 (C1), Bigswole_26 (C1), Bipolarisk_21 (C1), Blackbrain_20 (C1), Bonray_21 (C1), Bread_22 (C1), Breeniome_21 (C1), Burrough_22 (C1), Bxz1_23 (C1), Cactojaque_19 (C1), Cali_23 (C1), Cane17_15 (C1), Capablanca_22 (C1), Caravan_21 (C1), Catera_20 (C1), Chargie21_20 (C1), CharlieB_22 (C1), ChaylaJr_20 (C1), ChickenPhender_20 (C1), Chomp_19 (C1), CindyLou_20 (C1), Colt_15 (C1), Concombre_21 (C1), DTDevon_22 (C1), Daffodil_23 (C1), Dandelion_25 (C1), Darko_20 (C1), Delilah_21 (C1), Delylah_24 (C1), Derek_21 (C1), Dietrick_18 (C1), DirtMonster_19 (C1), DrPhinkDaddy_21 (C1), Drazdys_22 (C1), ET08_18 (C1), EasyJones_21 (C1), EggyFarm_25 (C1), EmToTheThree_24 (C1), EmmaElysia_20 (C1), Erdmann_22 (C1), ErnieJ_24 (C1), Essence_20 (C1), Ewok_21 (C1), Flabslab_23 (C1), Fludd_20 (C1), FoxtrotP1_22 (C1), FrayBell_27 (C1), FudgeTart_22 (C1), Gabriel_21 (C1), Gangam_20 (C1), Ghost_21 (C1), Gizmo_23 (C1), Grasshills_25 (C1), Grungle_16 (C1), Guwapp_20 (C1), Halldule_18 (C1), HyRo_20 (C1), I3_23 (C1), IkeLoa_17 (C1), InigoMontoya_22 (C1), InterFolia_27 (C1), Iota_19 (C1), Issimir_21 (C1), Izajani_22 (C1), JPickles_20 (C1), Janiyra_20 (C1), JayJay_23 (C1), Jaygup_20 (C1), Jedediah_21 (C1), Jemmno_20 (C1), Jessibeth14_21 (C1), JulietS_17 (C1), JustHall_20 (C1), Kamryn_20 (C1), Kboogie_21 (C1), Khaleesi_21 (C1), Koguma_18 (C1), LRRHood_20 (C1), Latch_20 (C1), Lee7_21 (C1), LifeSavor_21 (C1), LinStu_23 (C1), Littleton_21 (C1), Loanshark_21 (C1), LolaVinca_24 (C1), LordLeafolot_27 (C1), Lukilu_16 (C1), Maby2021_22 (C1), Matsumoto_19 (C1), McGee_21 (C1), McWolfish_21 (C1), Megamind_21 (C1), Melpomini_20 (C1), MikeLiesIn_22 (C1), Mikro_20 (C1), MoMoMixon_23 (C1), Momo_20 (C1), Morizzled23_20 (C1), Naija_20 (C1), Napoleon13_20 (C1), Nappy_23 (C1), Naval22_23 (C1), NedWong_22 (C1), Ngannou_20 (C1), Nidhogg_23 (C1), NoodleTree_20 (C1), Norm_21 (C1), NuevoMundo_25 (C1), ParkTD_21 (C1), Patter_20 (C1), Phlegm_22 (C1), Phox_21 (C1), Phusco_20 (C1), Pier_23 (C1), Pinkcreek_14 (C1), Pio_24 (C1), Pivoine_20 (C1), Pleione_23 (C1), PurduePete_21 (C1), QBert_20 (C1), Quasimodo_20 (C1), Rabinovish_21 (C1), Rahel_20 (C1), Rizal_20 (C1), RoMag_16 (C1), Ronan_17 (C1), Roots515_21 (C1), Salacia_23 (C1), Sauce_23 (C1), ScottMcG_23 (C1), Sebata_23 (C1), Shaqnato_18 (C1), Shelob_24 (C1), ShiaLabeouf_20 (C1), Shifa_19 (C1), Shnickers_20 (C1), Shrimp_21 (C1), SilverDipper_21 (C1), SmallFry_20 (C1), Spec_19 (C1), Specks_25 (C1), Sprinklers_22 (C1), Spud_24 (C1), SrishMeg2525_21 (C1), StephanieG_22 (C1), StubbySaigey_21 (C1), Stubby_20 (C1), Teardrop_20 (C1), TinyTim_21 (C1), Tonenili_27 (C1), Tortoise16_19 (C1), Trinitium_20 (C1), Turret_20 (C1), Tyke_23 (C1), ValleyTerrace_20 (C1), Wally_20 (C1), Willis_22 (C1), Yassified_19 (C1), YemiJoy2021_22 (C1), YoungMoneyMata_21 (C1), Yucca_21 (C1), Zalkecks_23 (C1), Zeenon_24 (C1), ZygoTaiga_22 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

- Start number 5 was manually annotated 166 times for cluster C1.

Gene Information:

Gene: Ading_20 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Ading_20:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 166 MA's), (7, 6449), (8, 6464),

Gene: Adlitam_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Adlitam_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Alice_17 Start: 6179, Stop: 6406, Start Num: 5

Candidate Starts for Alice_17:

(3, 6020), (4, 6029), (Start: 5 @6179 has 166 MA's), (7, 6341), (8, 6356),

Gene: Amataga_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Amataga_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: ArcherS7_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for ArcherS7_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Asterius_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Asterius_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Astraea_22 Start: 7025, Stop: 7252, Start Num: 5

Candidate Starts for Astraea_22:

(2, 6677), (3, 6866), (4, 6875), (Start: 5 @7025 has 166 MA's), (7, 7187), (8, 7202),

Gene: Atlantean_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Atlantean_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Audrick_22 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Audrick_22:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 166 MA's), (7, 6449), (8, 6464),

Gene: Ava3_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Ava3_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Babyland_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Babyland_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: BackyardAgain_19 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for BackyardAgain_19:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: BadAgartude_23 Start: 7746, Stop: 7973, Start Num: 5
Candidate Starts for BadAgartude_23:
(2, 7398), (3, 7587), (4, 7596), (Start: 5 @7746 has 166 MA's), (7, 7908), (8, 7923),

Gene: BananaFence_23 Start: 7311, Stop: 7538, Start Num: 5
Candidate Starts for BananaFence_23:
(2, 6963), (3, 7152), (4, 7161), (Start: 5 @7311 has 166 MA's), (7, 7473), (8, 7488),

Gene: Bangla1971_20 Start: 6304, Stop: 6531, Start Num: 5
Candidate Starts for Bangla1971_20:
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Basquiat_20 Start: 6289, Stop: 6516, Start Num: 5
Candidate Starts for Basquiat_20:
(2, 5941), (3, 6130), (4, 6139), (Start: 5 @6289 has 166 MA's), (7, 6451), (8, 6466),

Gene: BeanWater_17 Start: 6728, Stop: 6955, Start Num: 5
Candidate Starts for BeanWater_17:
(2, 6380), (3, 6569), (4, 6578), (Start: 5 @6728 has 166 MA's), (7, 6890), (8, 6905),

Gene: BigCity_25 Start: 8678, Stop: 8905, Start Num: 5
Candidate Starts for BigCity_25:
(2, 8330), (3, 8519), (4, 8528), (Start: 5 @8678 has 166 MA's), (7, 8840), (8, 8855),

Gene: Bigswole_26 Start: 8741, Stop: 8968, Start Num: 5
Candidate Starts for Bigswole_26:
(2, 8393), (3, 8582), (4, 8591), (Start: 5 @8741 has 166 MA's), (7, 8903), (8, 8918),

Gene: Bipolarisk_21 Start: 7418, Stop: 7645, Start Num: 5
Candidate Starts for Bipolarisk_21:
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Blackbrain_20 Start: 6349, Stop: 6576, Start Num: 5
Candidate Starts for Blackbrain_20:
(2, 6001), (3, 6190), (4, 6199), (Start: 5 @6349 has 166 MA's), (7, 6511), (8, 6526),

Gene: Bonray_21 Start: 7412, Stop: 7639, Start Num: 5
Candidate Starts for Bonray_21:
(2, 7064), (3, 7253), (4, 7262), (Start: 5 @7412 has 166 MA's), (7, 7574), (8, 7589),

Gene: Bread_22 Start: 7418, Stop: 7645, Start Num: 5
Candidate Starts for Bread_22:
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Breeniome_21 Start: 6304, Stop: 6531, Start Num: 5
Candidate Starts for Breeniome_21:
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Burrough_22 Start: 7418, Stop: 7645, Start Num: 5
Candidate Starts for Burrough_22:
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Bxz1_23 Start: 7851, Stop: 8078, Start Num: 5

Candidate Starts for Bxz1_23:

(2, 7503), (3, 7692), (4, 7701), (Start: 5 @7851 has 166 MA's), (7, 8013), (8, 8028),

Gene: Cactojaque_19 Start: 6238, Stop: 6465, Start Num: 5

Candidate Starts for Cactojaque_19:

(2, 5890), (3, 6079), (4, 6088), (Start: 5 @6238 has 166 MA's), (7, 6400), (8, 6415),

Gene: Cali_23 Start: 8722, Stop: 8949, Start Num: 5

Candidate Starts for Cali_23:

(2, 8374), (3, 8563), (4, 8572), (Start: 5 @8722 has 166 MA's), (7, 8884), (8, 8899),

Gene: Cane17_15 Start: 5760, Stop: 5987, Start Num: 5

Candidate Starts for Cane17_15:

(3, 5601), (4, 5610), (Start: 5 @5760 has 166 MA's), (7, 5922), (8, 5937),

Gene: Capablanca_22 Start: 7433, Stop: 7660, Start Num: 5

Candidate Starts for Capablanca_22:

(2, 7085), (3, 7274), (4, 7283), (Start: 5 @7433 has 166 MA's), (7, 7595), (8, 7610),

Gene: Caravan_21 Start: 6692, Stop: 6919, Start Num: 5

Candidate Starts for Caravan_21:

(2, 6344), (3, 6533), (4, 6542), (Start: 5 @6692 has 166 MA's), (7, 6854), (8, 6869),

Gene: Catera_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Catera_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Chargie21_20 Start: 6289, Stop: 6516, Start Num: 5

Candidate Starts for Chargie21_20:

(2, 5941), (3, 6130), (4, 6139), (Start: 5 @6289 has 166 MA's), (7, 6451), (8, 6466),

Gene: CharlieB_22 Start: 6687, Stop: 6914, Start Num: 5

Candidate Starts for CharlieB_22:

(2, 6339), (3, 6528), (4, 6537), (Start: 5 @6687 has 166 MA's), (7, 6849), (8, 6864),

Gene: ChaylaJr_20 Start: 6376, Stop: 6603, Start Num: 5

Candidate Starts for ChaylaJr_20:

(2, 6028), (3, 6217), (4, 6226), (Start: 5 @6376 has 166 MA's), (7, 6538), (8, 6553),

Gene: ChickenPhender_20 Start: 6334, Stop: 6561, Start Num: 5

Candidate Starts for ChickenPhender_20:

(2, 5986), (3, 6175), (4, 6184), (Start: 5 @6334 has 166 MA's), (7, 6496), (8, 6511),

Gene: Chomp_19 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Chomp_19:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: CindyLou_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for CindyLou_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Colt_15 Start: 5766, Stop: 5993, Start Num: 5

Candidate Starts for Colt_15:

(3, 5607), (4, 5616), (Start: 5 @5766 has 166 MA's), (7, 5928), (8, 5943),

Gene: Concombres_21 Start: 7374, Stop: 7601, Start Num: 5

Candidate Starts for Concombres_21:

(2, 7026), (3, 7215), (4, 7224), (Start: 5 @7374 has 166 MA's), (7, 7536), (8, 7551),

Gene: DTDevon_22 Start: 7472, Stop: 7699, Start Num: 5

Candidate Starts for DTDevon_22:

(2, 7124), (3, 7313), (4, 7322), (Start: 5 @7472 has 166 MA's), (7, 7634), (8, 7649),

Gene: Daffodil_23 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Daffodil_23:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Dandelion_25 Start: 8201, Stop: 8428, Start Num: 5

Candidate Starts for Dandelion_25:

(2, 7853), (3, 8042), (4, 8051), (Start: 5 @8201 has 166 MA's), (7, 8363), (8, 8378),

Gene: Darko_20 Start: 7280, Stop: 7507, Start Num: 5

Candidate Starts for Darko_20:

(2, 6932), (3, 7121), (4, 7130), (Start: 5 @7280 has 166 MA's), (7, 7442), (8, 7457),

Gene: Delilah_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Delilah_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Delylah_24 Start: 7445, Stop: 7672, Start Num: 5

Candidate Starts for Delylah_24:

(2, 7097), (3, 7286), (4, 7295), (Start: 5 @7445 has 166 MA's), (7, 7607), (8, 7622),

Gene: Derek_21 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Derek_21:

(3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Dietrick_18 Start: 6306, Stop: 6533, Start Num: 5

Candidate Starts for Dietrick_18:

(2, 5958), (3, 6147), (4, 6156), (Start: 5 @6306 has 166 MA's), (7, 6468), (8, 6483),

Gene: DirtMonster_19 Start: 7433, Stop: 7660, Start Num: 5

Candidate Starts for DirtMonster_19:

(2, 7085), (3, 7274), (4, 7283), (Start: 5 @7433 has 166 MA's), (7, 7595), (8, 7610),

Gene: DrPhinkDaddy_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for DrPhinkDaddy_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Drazdys_22 Start: 7173, Stop: 7400, Start Num: 5

Candidate Starts for Drazdys_22:

(2, 6825), (3, 7014), (4, 7023), (Start: 5 @7173 has 166 MA's), (7, 7335), (8, 7350),

Gene: ET08_18 Start: 7115, Stop: 7342, Start Num: 5

Candidate Starts for ET08_18:

(2, 6767), (3, 6956), (4, 6965), (Start: 5 @7115 has 166 MA's), (7, 7277), (8, 7292),

Gene: EasyJones_21 Start: 6289, Stop: 6516, Start Num: 5

Candidate Starts for EasyJones_21:

(2, 5941), (3, 6130), (4, 6139), (Start: 5 @6289 has 166 MA's), (7, 6451), (8, 6466),

Gene: EggyFarm_25 Start: 8678, Stop: 8905, Start Num: 5

Candidate Starts for EggyFarm_25:

(2, 8330), (3, 8519), (4, 8528), (Start: 5 @8678 has 166 MA's), (7, 8840), (8, 8855),

Gene: EmToTheThree_24 Start: 8832, Stop: 9059, Start Num: 5

Candidate Starts for EmToTheThree_24:

(2, 8484), (3, 8673), (4, 8682), (Start: 5 @8832 has 166 MA's), (7, 8994), (8, 9009),

Gene: EmmaElysia_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for EmmaElysia_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Erdmann_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Erdmann_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: ErnieJ_24 Start: 7479, Stop: 7706, Start Num: 5

Candidate Starts for ErnieJ_24:

(2, 7131), (3, 7320), (4, 7329), (Start: 5 @7479 has 166 MA's), (7, 7641), (8, 7656),

Gene: Essence_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Essence_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Ewok_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Ewok_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Flabslab_23 Start: 7578, Stop: 7805, Start Num: 5

Candidate Starts for Flabslab_23:

(1, 7137), (3, 7419), (4, 7428), (Start: 5 @7578 has 166 MA's), (7, 7740), (8, 7755),

Gene: Fludd_20 Start: 6290, Stop: 6517, Start Num: 5

Candidate Starts for Fludd_20:

(2, 5942), (3, 6131), (4, 6140), (Start: 5 @6290 has 166 MA's), (7, 6452), (8, 6467),

Gene: FoxtrotP1_22 Start: 7977, Stop: 8204, Start Num: 5

Candidate Starts for FoxtrotP1_22:

(2, 7629), (3, 7818), (4, 7827), (Start: 5 @7977 has 166 MA's), (7, 8139), (8, 8154),

Gene: FrayBell_27 Start: 8998, Stop: 9225, Start Num: 5

Candidate Starts for FrayBell_27:

(2, 8650), (3, 8839), (4, 8848), (Start: 5 @8998 has 166 MA's), (7, 9160), (8, 9175),

Gene: FudgeTart_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for FudgeTart_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Gabriel_21 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Gabriel_21:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Gamgam_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Gamgam_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Ghost_21 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Ghost_21:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Gizmo_23 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Gizmo_23:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Grasshills_25 Start: 8678, Stop: 8905, Start Num: 5

Candidate Starts for Grasshills_25:

(2, 8330), (3, 8519), (4, 8528), (Start: 5 @8678 has 166 MA's), (7, 8840), (8, 8855),

Gene: Grungle_16 Start: 5257, Stop: 5484, Start Num: 5

Candidate Starts for Grungle_16:

(2, 4909), (3, 5098), (4, 5107), (Start: 5 @5257 has 166 MA's), (7, 5419), (8, 5434),

Gene: Guwapp_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Guwapp_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Halldule_18 Start: 5900, Stop: 6127, Start Num: 5

Candidate Starts for Halldule_18:

(2, 5552), (3, 5741), (4, 5750), (Start: 5 @5900 has 166 MA's), (7, 6062), (8, 6077),

Gene: HyRo_20 Start: 7314, Stop: 7541, Start Num: 5

Candidate Starts for HyRo_20:

(3, 7155), (4, 7164), (Start: 5 @7314 has 166 MA's), (7, 7476), (8, 7491),

Gene: I3_23 Start: 7967, Stop: 8194, Start Num: 5

Candidate Starts for I3_23:

(2, 7619), (3, 7808), (4, 7817), (Start: 5 @7967 has 166 MA's), (7, 8129), (8, 8144),

Gene: IkeLoa_17 Start: 6434, Stop: 6661, Start Num: 5

Candidate Starts for IkeLoa_17:

(2, 6086), (3, 6275), (4, 6284), (Start: 5 @6434 has 166 MA's), (7, 6596), (8, 6611),

Gene: InigoMontoya_22 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for InigoMontoya_22:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: InterFolia_27 Start: 8995, Stop: 9222, Start Num: 5

Candidate Starts for InterFolia_27:

(2, 8647), (3, 8836), (4, 8845), (Start: 5 @8995 has 166 MA's), (7, 9157), (8, 9172),

Gene: Iota_19 Start: 7197, Stop: 7424, Start Num: 5

Candidate Starts for Iota_19:

(2, 6849), (3, 7038), (4, 7047), (Start: 5 @7197 has 166 MA's), (7, 7359), (8, 7374),

Gene: Issimir_21 Start: 7412, Stop: 7639, Start Num: 5

Candidate Starts for Issimir_21:

(2, 7064), (3, 7253), (4, 7262), (Start: 5 @7412 has 166 MA's), (7, 7574), (8, 7589),

Gene: Izajani_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Izajani_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: JPickles_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for JPickles_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Janiyra_20 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Janiyra_20:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 166 MA's), (7, 6449), (8, 6464),

Gene: JayJay_23 Start: 7395, Stop: 7622, Start Num: 5

Candidate Starts for JayJay_23:

(2, 7047), (3, 7236), (4, 7245), (Start: 5 @7395 has 166 MA's), (7, 7557), (8, 7572),

Gene: Jaygup_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Jaygup_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Jedediah_21 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Jedediah_21:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Jemmno_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Jemmno_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Jessibeth14_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Jessibeth14_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: JulietS_17 Start: 5533, Stop: 5760, Start Num: 5

Candidate Starts for JulietS_17:

(2, 5185), (3, 5374), (4, 5383), (Start: 5 @5533 has 166 MA's), (7, 5695), (8, 5710),

Gene: JustHall_20 Start: 7303, Stop: 7530, Start Num: 5

Candidate Starts for JustHall_20:

(2, 6955), (3, 7144), (4, 7153), (Start: 5 @7303 has 166 MA's), (7, 7465), (8, 7480),

Gene: Kamryn_20 Start: 6638, Stop: 6865, Start Num: 5

Candidate Starts for Kamryn_20:

(2, 6290), (3, 6479), (4, 6488), (Start: 5 @6638 has 166 MA's), (7, 6800), (8, 6815),

Gene: Kboogie_21 Start: 6306, Stop: 6533, Start Num: 5

Candidate Starts for Kboogie_21:
(2, 5958), (3, 6147), (4, 6156), (Start: 5 @6306 has 166 MA's), (7, 6468), (8, 6483),

Gene: Khaleesi_21 Start: 7418, Stop: 7645, Start Num: 5
Candidate Starts for Khaleesi_21:
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Koguma_18 Start: 5900, Stop: 6127, Start Num: 5
Candidate Starts for Koguma_18:
(2, 5552), (3, 5741), (4, 5750), (Start: 5 @5900 has 166 MA's), (7, 6062), (8, 6077),

Gene: LRRHood_20 Start: 7826, Stop: 8053, Start Num: 5
Candidate Starts for LRRHood_20:
(2, 7478), (3, 7667), (4, 7676), (Start: 5 @7826 has 166 MA's), (7, 7988), (8, 8003),

Gene: Latch_20 Start: 6308, Stop: 6535, Start Num: 5
Candidate Starts for Latch_20:
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Lee7_21 Start: 7418, Stop: 7645, Start Num: 5
Candidate Starts for Lee7_21:
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: LifeSavor_21 Start: 6304, Stop: 6531, Start Num: 5
Candidate Starts for LifeSavor_21:
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: LinStu_23 Start: 8009, Stop: 8236, Start Num: 5
Candidate Starts for LinStu_23:
(2, 7661), (3, 7850), (4, 7859), (Start: 5 @8009 has 166 MA's), (7, 8171), (8, 8186),

Gene: Littleton_21 Start: 6308, Stop: 6535, Start Num: 5
Candidate Starts for Littleton_21:
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Loanshark_21 Start: 7418, Stop: 7645, Start Num: 5
Candidate Starts for Loanshark_21:
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: LolaVinca_24 Start: 8101, Stop: 8328, Start Num: 5
Candidate Starts for LolaVinca_24:
(2, 7753), (3, 7942), (4, 7951), (Start: 5 @8101 has 166 MA's), (7, 8263), (8, 8278),

Gene: LordLeafolot_27 Start: 8997, Stop: 9224, Start Num: 5
Candidate Starts for LordLeafolot_27:
(2, 8649), (3, 8838), (4, 8847), (Start: 5 @8997 has 166 MA's), (7, 9159), (8, 9174),

Gene: Lukilu_16 Start: 6250, Stop: 6477, Start Num: 5
Candidate Starts for Lukilu_16:
(2, 5902), (3, 6091), (4, 6100), (Start: 5 @6250 has 166 MA's), (7, 6412), (8, 6427),

Gene: Maby2021_22 Start: 7418, Stop: 7645, Start Num: 5
Candidate Starts for Maby2021_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Matsumoto_19 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Matsumoto_19:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: McGee_21 Start: 6306, Stop: 6533, Start Num: 5

Candidate Starts for McGee_21:

(2, 5958), (3, 6147), (4, 6156), (Start: 5 @6306 has 166 MA's), (7, 6468), (8, 6483),

Gene: McWolfish_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for McWolfish_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Megamind_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Megamind_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Melpomini_20 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Melpomini_20:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 166 MA's), (7, 6449), (8, 6464),

Gene: MikeLiesIn_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for MikeLiesIn_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Mikro_20 Start: 7634, Stop: 7861, Start Num: 5

Candidate Starts for Mikro_20:

(2, 7286), (3, 7475), (4, 7484), (Start: 5 @7634 has 166 MA's), (7, 7796), (8, 7811),

Gene: MoMoMixon_23 Start: 7741, Stop: 7968, Start Num: 5

Candidate Starts for MoMoMixon_23:

(2, 7393), (3, 7582), (4, 7591), (Start: 5 @7741 has 166 MA's), (7, 7903), (8, 7918),

Gene: Momo_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Momo_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Morizzled23_20 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Morizzled23_20:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 166 MA's), (7, 6449), (8, 6464),

Gene: Naija_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Naija_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Napoleon13_20 Start: 6306, Stop: 6533, Start Num: 5

Candidate Starts for Napoleon13_20:

(2, 5958), (3, 6147), (4, 6156), (Start: 5 @6306 has 166 MA's), (7, 6468), (8, 6483),

Gene: Nappy_23 Start: 7591, Stop: 7818, Start Num: 5

Candidate Starts for Nappy_23:

(2, 7243), (3, 7432), (4, 7441), (Start: 5 @7591 has 166 MA's), (7, 7753), (8, 7768),

Gene: Naval22_23 Start: 7741, Stop: 7968, Start Num: 5

Candidate Starts for Naval22_23:

(2, 7393), (3, 7582), (4, 7591), (Start: 5 @7741 has 166 MA's), (7, 7903), (8, 7918),

Gene: NedWong_22 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for NedWong_22:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Ngannou_20 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Ngannou_20:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 166 MA's), (7, 6449), (8, 6464),

Gene: Nidhogg_23 Start: 7741, Stop: 7968, Start Num: 5

Candidate Starts for Nidhogg_23:

(2, 7393), (3, 7582), (4, 7591), (Start: 5 @7741 has 166 MA's), (7, 7903), (8, 7918),

Gene: NoodleTree_20 Start: 6635, Stop: 6862, Start Num: 5

Candidate Starts for NoodleTree_20:

(2, 6287), (3, 6476), (4, 6485), (Start: 5 @6635 has 166 MA's), (7, 6797), (8, 6812),

Gene: Norm_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Norm_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: NuevoMundo_25 Start: 8743, Stop: 8970, Start Num: 5

Candidate Starts for NuevoMundo_25:

(2, 8395), (3, 8584), (4, 8593), (Start: 5 @8743 has 166 MA's), (7, 8905), (8, 8920),

Gene: ParkTD_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for ParkTD_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Patter_20 Start: 6325, Stop: 6552, Start Num: 5

Candidate Starts for Patter_20:

(2, 5977), (3, 6166), (4, 6175), (Start: 5 @6325 has 166 MA's), (7, 6487), (8, 6502),

Gene: Phlegm_22 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Phlegm_22:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Phox_21 Start: 7823, Stop: 8050, Start Num: 5

Candidate Starts for Phox_21:

(2, 7475), (3, 7664), (4, 7673), (Start: 5 @7823 has 166 MA's), (7, 7985), (8, 8000),

Gene: Phusco_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Phusco_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Pier_23 Start: 7306, Stop: 7533, Start Num: 5

Candidate Starts for Pier_23:

(2, 6958), (3, 7147), (4, 7156), (Start: 5 @7306 has 166 MA's), (7, 7468), (8, 7483),

Gene: Pinkcreek_14 Start: 5502, Stop: 5729, Start Num: 5

Candidate Starts for Pinkcreek_14:

(3, 5343), (4, 5352), (Start: 5 @5502 has 166 MA's), (7, 5664), (8, 5679),

Gene: Pio_24 Start: 8240, Stop: 8467, Start Num: 5

Candidate Starts for Pio_24:

(2, 7892), (3, 8081), (4, 8090), (Start: 5 @8240 has 166 MA's), (7, 8402), (8, 8417),

Gene: Pivoine_20 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for Pivoine_20:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Pleione_23 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Pleione_23:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: PurduePete_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for PurduePete_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: QBert_20 Start: 7823, Stop: 8050, Start Num: 5

Candidate Starts for QBert_20:

(2, 7475), (3, 7664), (4, 7673), (Start: 5 @7823 has 166 MA's), (7, 7985), (8, 8000),

Gene: Quasimodo_20 Start: 7307, Stop: 7534, Start Num: 5

Candidate Starts for Quasimodo_20:

(2, 6959), (3, 7148), (4, 7157), (Start: 5 @7307 has 166 MA's), (7, 7469), (8, 7484),

Gene: Rabinovish_21 Start: 8111, Stop: 8338, Start Num: 5

Candidate Starts for Rabinovish_21:

(2, 7763), (3, 7952), (4, 7961), (Start: 5 @8111 has 166 MA's), (7, 8273), (8, 8288),

Gene: Rahel_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Rahel_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Rizal_20 Start: 6303, Stop: 6530, Start Num: 5

Candidate Starts for Rizal_20:

(2, 5955), (3, 6144), (4, 6153), (Start: 5 @6303 has 166 MA's), (7, 6465), (8, 6480),

Gene: RoMag_16 Start: 6385, Stop: 6612, Start Num: 5

Candidate Starts for RoMag_16:

(2, 6037), (3, 6226), (4, 6235), (Start: 5 @6385 has 166 MA's), (7, 6547), (8, 6562),

Gene: Ronan_17 Start: 5234, Stop: 5461, Start Num: 5

Candidate Starts for Ronan_17:

(2, 4886), (3, 5075), (4, 5084), (Start: 5 @5234 has 166 MA's), (7, 5396), (8, 5411),

Gene: Roots515_21 Start: 7417, Stop: 7644, Start Num: 5

Candidate Starts for Roots515_21:

(2, 7069), (3, 7258), (4, 7267), (Start: 5 @7417 has 166 MA's), (7, 7579), (8, 7594),

Gene: Salacia_23 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for Salacia_23:
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Sauce_23 Start: 7786, Stop: 8013, Start Num: 5
Candidate Starts for Sauce_23:
(2, 7438), (3, 7627), (4, 7636), (Start: 5 @7786 has 166 MA's), (7, 7948), (8, 7963),

Gene: ScottMcG_23 Start: 7974, Stop: 8201, Start Num: 5
Candidate Starts for ScottMcG_23:
(2, 7626), (3, 7815), (4, 7824), (Start: 5 @7974 has 166 MA's), (7, 8136), (8, 8151),

Gene: Sebata_23 Start: 8009, Stop: 8236, Start Num: 5
Candidate Starts for Sebata_23:
(2, 7661), (3, 7850), (4, 7859), (Start: 5 @8009 has 166 MA's), (7, 8171), (8, 8186),

Gene: Shaqnato_18 Start: 6239, Stop: 6466, Start Num: 5
Candidate Starts for Shaqnato_18:
(2, 5891), (3, 6080), (4, 6089), (Start: 5 @6239 has 166 MA's), (7, 6401), (8, 6416),

Gene: Shelob_24 Start: 8547, Stop: 8774, Start Num: 5
Candidate Starts for Shelob_24:
(2, 8199), (3, 8388), (4, 8397), (Start: 5 @8547 has 166 MA's), (7, 8709), (8, 8724),

Gene: ShiaLabeouf_20 Start: 6304, Stop: 6531, Start Num: 5
Candidate Starts for ShiaLabeouf_20:
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Shifa_19 Start: 6745, Stop: 6972, Start Num: 5
Candidate Starts for Shifa_19:
(3, 6586), (4, 6595), (Start: 5 @6745 has 166 MA's), (7, 6907), (8, 6922),

Gene: Shnickers_20 Start: 6304, Stop: 6531, Start Num: 5
Candidate Starts for Shnickers_20:
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Shrimp_21 Start: 7422, Stop: 7649, Start Num: 5
Candidate Starts for Shrimp_21:
(2, 7074), (3, 7263), (4, 7272), (Start: 5 @7422 has 166 MA's), (7, 7584), (8, 7599),

Gene: SilverDipper_21 Start: 6308, Stop: 6535, Start Num: 5
Candidate Starts for SilverDipper_21:
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: SmallFry_20 Start: 6304, Stop: 6531, Start Num: 5
Candidate Starts for SmallFry_20:
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Spec_19 Start: 6304, Stop: 6531, Start Num: 5
Candidate Starts for Spec_19:
(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Specks_25 Start: 8178, Stop: 8405, Start Num: 5
Candidate Starts for Specks_25:

(2, 7830), (3, 8019), (4, 8028), (Start: 5 @8178 has 166 MA's), (6, 8214), (7, 8340), (8, 8355),

Gene: Sprinklers_22 Start: 7148, Stop: 7375, Start Num: 5

Candidate Starts for Sprinklers_22:

(2, 6800), (3, 6989), (4, 6998), (Start: 5 @7148 has 166 MA's), (7, 7310), (8, 7325),

Gene: Spud_24 Start: 8240, Stop: 8467, Start Num: 5

Candidate Starts for Spud_24:

(2, 7892), (3, 8081), (4, 8090), (Start: 5 @8240 has 166 MA's), (7, 8402), (8, 8417),

Gene: SrishMeg2525_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for SrishMeg2525_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: StephanieG_22 Start: 7331, Stop: 7558, Start Num: 5

Candidate Starts for StephanieG_22:

(2, 6983), (3, 7172), (4, 7181), (Start: 5 @7331 has 166 MA's), (7, 7493), (8, 7508),

Gene: Stubby_20 Start: 6925, Stop: 7152, Start Num: 5

Candidate Starts for Stubby_20:

(3, 6766), (4, 6775), (Start: 5 @6925 has 166 MA's), (7, 7087), (8, 7102),

Gene: StubbySaigey_21 Start: 6308, Stop: 6535, Start Num: 5

Candidate Starts for StubbySaigey_21:

(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Teardrop_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Teardrop_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: TinyTim_21 Start: 7418, Stop: 7645, Start Num: 5

Candidate Starts for TinyTim_21:

(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Tonenili_27 Start: 8637, Stop: 8876, Start Num: 5

Candidate Starts for Tonenili_27:

(3, 8478), (4, 8487), (Start: 5 @8637 has 166 MA's), (7, 8811), (8, 8826),

Gene: Tortoise16_19 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Tortoise16_19:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Trinitium_20 Start: 6304, Stop: 6531, Start Num: 5

Candidate Starts for Trinitium_20:

(2, 5956), (3, 6145), (4, 6154), (Start: 5 @6304 has 166 MA's), (7, 6466), (8, 6481),

Gene: Turret_20 Start: 6287, Stop: 6514, Start Num: 5

Candidate Starts for Turret_20:

(2, 5939), (3, 6128), (4, 6137), (Start: 5 @6287 has 166 MA's), (7, 6449), (8, 6464),

Gene: Tyke_23 Start: 7716, Stop: 7943, Start Num: 5

Candidate Starts for Tyke_23:

(2, 7368), (3, 7557), (4, 7566), (Start: 5 @7716 has 166 MA's), (7, 7878), (8, 7893),

Gene: ValleyTerrace_20 Start: 6308, Stop: 6535, Start Num: 5
Candidate Starts for ValleyTerrace_20:
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Wally_20 Start: 6308, Stop: 6535, Start Num: 5
Candidate Starts for Wally_20:
(2, 5960), (3, 6149), (4, 6158), (Start: 5 @6308 has 166 MA's), (7, 6470), (8, 6485),

Gene: Willis_22 Start: 7313, Stop: 7540, Start Num: 5
Candidate Starts for Willis_22:
(2, 6965), (3, 7154), (4, 7163), (Start: 5 @7313 has 166 MA's), (7, 7475), (8, 7490),

Gene: Yassified_19 Start: 6311, Stop: 6538, Start Num: 5
Candidate Starts for Yassified_19:
(2, 5963), (3, 6152), (4, 6161), (Start: 5 @6311 has 166 MA's), (7, 6473), (8, 6488),

Gene: YemiJoy2021_22 Start: 7418, Stop: 7645, Start Num: 5
Candidate Starts for YemiJoy2021_22:
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: YoungMoneyMata_21 Start: 6351, Stop: 6578, Start Num: 5
Candidate Starts for YoungMoneyMata_21:
(2, 6003), (3, 6192), (4, 6201), (Start: 5 @6351 has 166 MA's), (7, 6513), (8, 6528),

Gene: Yucca_21 Start: 7340, Stop: 7567, Start Num: 5
Candidate Starts for Yucca_21:
(2, 6992), (3, 7181), (4, 7190), (Start: 5 @7340 has 166 MA's), (7, 7502), (8, 7517),

Gene: Zalkecks_23 Start: 7418, Stop: 7645, Start Num: 5
Candidate Starts for Zalkecks_23:
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),

Gene: Zeenon_24 Start: 7419, Stop: 7646, Start Num: 5
Candidate Starts for Zeenon_24:
(2, 7071), (3, 7260), (4, 7269), (Start: 5 @7419 has 166 MA's), (7, 7581), (8, 7596),

Gene: ZygoTaiga_22 Start: 7418, Stop: 7645, Start Num: 5
Candidate Starts for ZygoTaiga_22:
(2, 7070), (3, 7259), (4, 7268), (Start: 5 @7418 has 166 MA's), (7, 7580), (8, 7595),