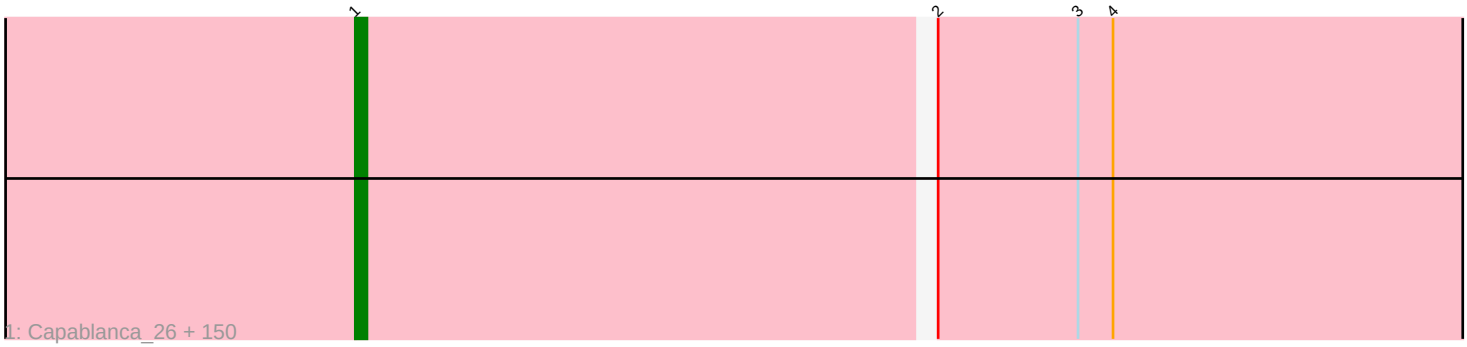
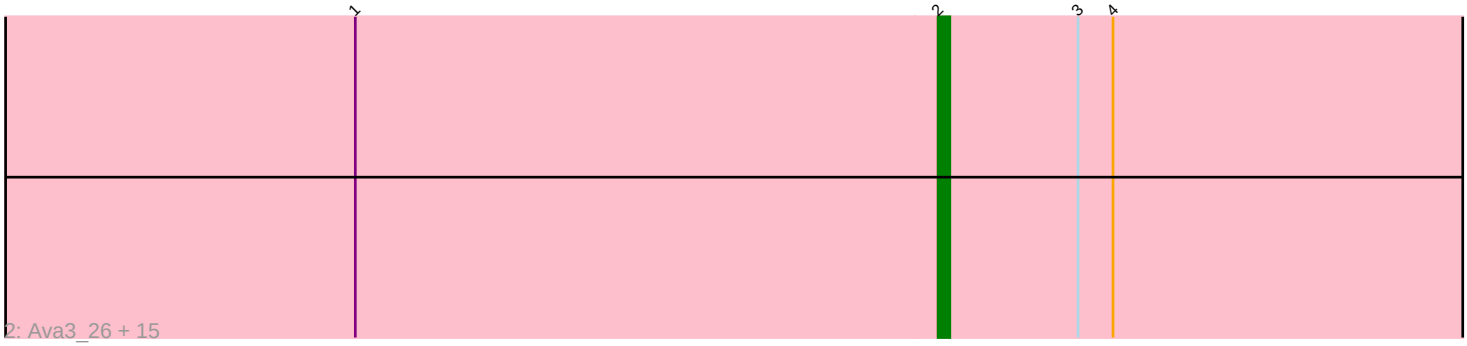
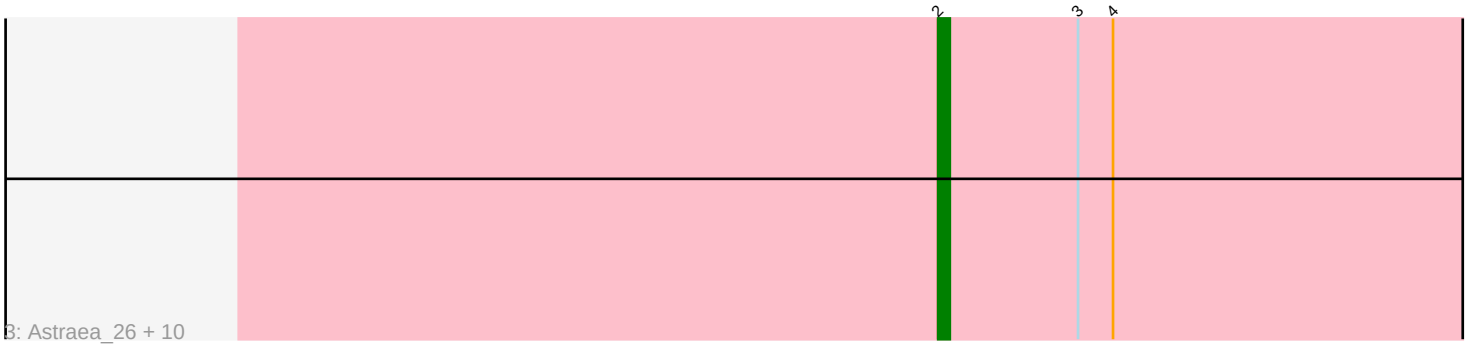
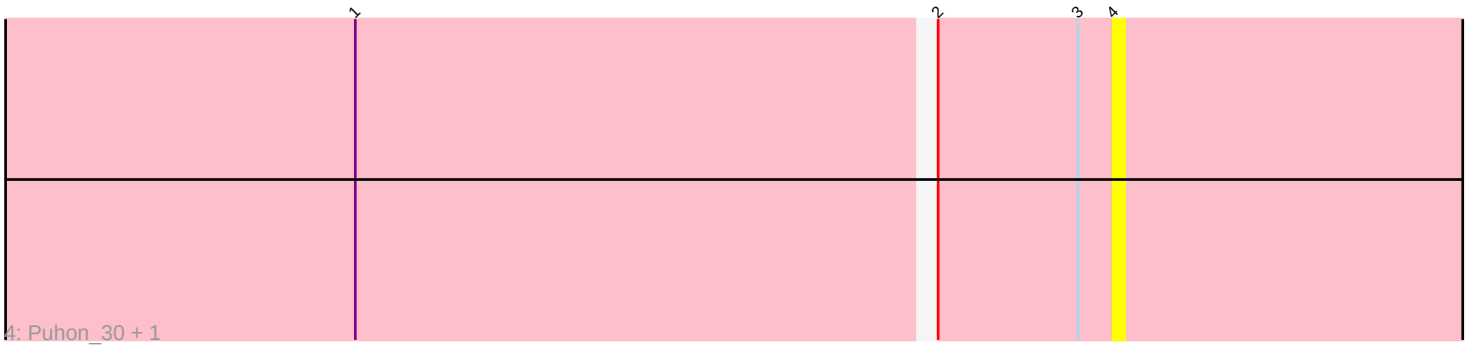
Pham 334468


1
2
3
4
1: Capablanca_26 + 150


1
2
3
4
2: Ava3_26 + 15


2
3
4
3: Astraea_26 + 10


1
2
3
4
4: Puhon_30 + 1

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 334468 Report

This analysis was run 11/14/26 on database version 672.

Pham number 334468 has 180 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Capablanca_26, Dietrick_20, OrediggerDelux_27, Kboogie_25, McGee_24, Shrimp_25, Asterius_26, ZygoTaiga_25, Ghost_24, Cali_25, Babyland_24, Pleione_27, GlutenPhree_25, Spud_27, Colt_18, Amataga_24, EmToTheThree_28, LordLeafolot_31, RoMag_19, Matsumoto_23, Jessibeth14_24, JustHall_24, Delylah_26, ET08_20, Blackbrain_23, NoodleTree_23, Patter_24, NedWong_26, CharlieB_25, Yucca_25, LifeSavor_25, SVoro_24, Zalkecks_27, ArcherS7_23, Koguma_21, Phlegm_26, Pier_26, Rabinovish_24, FrayBell_31, SrishMeg2525_24, TinyTim_25, Bangla1971_23, SmallFry_24, Specks_29, Phusco_24, Morizzled23_24, Chomp_24, Teardrop_24, Audrick_26, ChickenPhender_24, Ading_24, Bonray_25, Norm_25, Janiyra_24, Iota_22, Khaleesi_24, NuevoMundo_28, ParkTD_24, Drazdys_25, Burrough_25, IkeLoa_20, Loanshark_25, Alice_20, Latch_24, Delilah_25, Stubby_23, Tyke_26, Bxz1_26, Adlitam_24, Basquiat_24, Gamgam_24, Darko_24, ScottMcG_25, Pivoine_24, Breeniome_25, Dessert_25, BobaPhatt_25, Daffodil_27, Salacia_27, Gabriel_25, Quasimodo_24, ChaylaJr_24, Jedediah_25, InterFolia_31, Blubba_19, Cactojaque_22, Kamryn_24, Nidhogg_26, Guwapp_24, CindyLou_24, Sauce_26, FudgeTart_26, Fixie_21, ErnieJ_26, StubbySaigey_24, DrPhinkDaddy_25, HyRo_23, Derek_25, YemiJoy2021_26, Willis_25, FoxtrotP1_25, Littleton_24, Jezreel_23, Bipolarisk_24, ShiaLabeouf_24, Nappy_26, ValleyTerrace_24, BadAgartude_26, Melpomini_24, Naval22_27, Cane17_18, YoungMoneyMata_24, Shelob_27, Mikro_22, Essence_23, QBert_23, Ngannou_23, Erdmann_26, JPickles_23, EmmaElysia_23, Megamind_25, Fludd_24, McWolfish_24, Lee7_27, Chargie21_24, LinStu_25, Yassified_22, Shnickers_24, Roots515_25, Jaygup_24, Ablatia_23, SilverDipper_25, InigoMontoya_25, Trinitium_24, Jemmno_24, BeanWater_20, Tortoise16_23, DTDevon_25, Rahel_24, MikeLiesIn_25, Catera_23, Maby2021_26, Caravan_23, Mangeria_28, Wally_24, Momo_23, Shifa_21, Napoleon13_24, MoMoMixon_26, Naija_24, Pio_28
• Track 2 : Ava3_26, Izajani_26, Zeenon_27, I3_27, Bigswole_31, Domi_19, Bread_26, Cleatunium_21, Ronan_20, Pinkcreek_17, Labradorite_25, LolaVinca_27, DirtMonster_23, BananaFence_26, StephanieG_24, Issimir_25
• Track 3 : Astraea_26, Rizal_23, Grungle_18, Shaqnato_21, Dandelion_28, Lukilu_18, LRRHood_22, Gizmo_27, Bezza_19, Flabslab_26, Ewok_25
• Track 4 : Puhon_30, Rocha_23

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

The start number called the most often in the published annotations is 1, it was called in 151 of the 177 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ablatia_23, Ading_24, Adlitam_24, Alice_20, Amataga_24, ArcherS7_23, Asterius_26, Audrick_26, Babyland_24, BadAgartude_26, Bangla1971_23, Basquiat_24, BeanWater_20, Bipolarisk_24, Blackbrain_23, Blubba_19, BobaPhatt_25, Bonray_25, Breeniome_25, Burrough_25, Bxz1_26, Cactojaque_22, Cali_25, Cane17_18, Capablanca_26, Caravan_23, Catera_23, Chargie21_24, CharlieB_25, ChaylaJr_24, ChickenPhender_24, Chomp_24, CindyLou_24, Colt_18, DTDevon_25, Daffodil_27, Darko_24, Delilah_25, Delylah_26, Derek_25, Dessert_25, Dietrick_20, DrPhinkDaddy_25, Drazdys_25, ET08_20, EmToTheThree_28, EmmaElysia_23, Erdmann_26, ErnieJ_26, Essence_23, Fixie_21, Fludd_24, FoxtrotP1_25, FrayBell_31, FudgeTart_26, Gabriel_25, Gamgam_24, Ghost_24, GlutenPhree_25, Guwapp_24, HyRo_23, IkeLoa_20, InigoMontoya_25, InterFolia_31, Iota_22, JPickles_23, Janiyra_24, Jaygup_24, Jedediah_25, Jemmno_24, Jessibeth14_24, Jezreel_23, JustHall_24, Kamryn_24, Kboogie_25, Khaleesi_24, Koguma_21, Latch_24, Lee7_27, LifeSavor_25, LinStu_25, Littleton_24, Loanshark_25, LordLeafolot_31, Maby2021_26, Mangeria_28, Matsumoto_23, McGee_24, McWolfish_24, Megamind_25, Melpomini_24, MikeLiesIn_25, Mikro_22, MoMoMixon_26, Momo_23, Morizzled23_24, Naija_24, Napoleon13_24, Nappy_26, Naval22_27, NedWong_26, Ngannou_23, Nidhogg_26, NoodleTree_23, Norm_25, NuevoMundo_28, OrediggerDelux_27, ParkTD_24, Patter_24, Phlegm_26, Phusco_24, Pier_26, Pio_28, Pivoine_24, Pleione_27, QBert_23, Quasimodo_24, Rabinovish_24, Rahel_24, RoMag_19, Roots515_25, SVoro_24, Salacia_27, Sauce_26, ScottMcG_25, Shelob_27, ShiaLabeouf_24, Shifa_21, Shnickers_24, Shrimp_25, SilverDipper_25, SmallFry_24, Specks_29, Spud_27, SrishMeg2525_24, StubbySaigey_24, Stubby_23, Teardrop_24, TinyTim_25, Tortoise16_23, Trinitium_24, Tyke_26, ValleyTerrace_24, Wally_24, Willis_25, Yassified_22, YemiJoy2021_26, YoungMoneyMata_24, Yucca_25, Zalkecks_27, ZygoTaiga_25,

Genes that have the "Most Annotated" start but do not call it:
• Ava3_26, BananaFence_26, Bigswole_31, Bread_26, Cleatunium_21, DirtMonster_23, Domi_19, I3_27, Issimir_25, Izajani_26, Labradorite_25, LolaVinca_27, Pinkcreek_17, Puhon_30, Rocha_23, Ronan_20, StephanieG_24, Zeenon_27,

Genes that do not have the "Most Annotated" start:
• Astraea_26, Bezza_19, Dandelion_28, Ewok_25, Flabslab_26, Gizmo_27, Grungle_18, LRRHood_22, Lukilu_18, Rizal_23, Shaqnato_21,

Summary by start number:

Start 1:
• Found in 169 of 180 (93.9%) of genes in pham
• Manual Annotations of this start: 151 of 177
• Called 89.3% of time when present
• Phage (with cluster) where this start called: Ablatia_23 (C1), Ading_24 (C1), Adlitam_24 (C1), Alice_20 (C1), Amataga_24 (C1), ArcherS7_23 (C1), Asterius_26 (C1), Audrick_26 (C1), Babyland_24 (C1), BadAgartude_26 (C1), Bangla1971_23 (C1), Basquiat_24 (C1), BeanWater_20 (C1), Bipolarisk_24 (C1), Blackbrain_23 (C1),

Blubba_19 (C1), BobaPhatt_25 (C1), Bonray_25 (C1), Breeniome_25 (C1), Burrough_25 (C1), Bxz1_26 (C1), Cactojaque_22 (C1), Cali_25 (C1), Cane17_18 (C1), Capablanca_26 (C1), Caravan_23 (C1), Catera_23 (C1), Chargie21_24 (C1), CharlieB_25 (C1), ChaylaJr_24 (C1), ChickenPhender_24 (C1), Chomp_24 (C1), CindyLou_24 (C1), Colt_18 (C1), DTDevon_25 (C1), Daffodil_27 (C1), Darko_24 (C1), Delilah_25 (C1), Delylah_26 (C1), Derek_25 (C1), Dessert_25 (C1), Dietrick_20 (C1), DrPhinkDaddy_25 (C1), Drazdys_25 (C1), ET08_20 (C1), EmToTheThree_28 (C1), EmmaElysia_23 (C1), Erdmann_26 (C1), ErnieJ_26 (C1), Essence_23 (C1), Fixie_21 (C1), Fludd_24 (C1), FoxtrotP1_25 (C1), FrayBell_31 (C1), FudgeTart_26 (C1), Gabriel_25 (C1), Gamgam_24 (C1), Ghost_24 (C1), GlutenPhree_25 (C1), Guwapp_24 (C1), HyRo_23 (C1), IkeLoa_20 (C1), InigoMontoya_25 (C1), InterFolia_31 (C1), Iota_22 (C1), JPickles_23 (C1), Janiyra_24 (C1), Jaygup_24 (C1), Jedediah_25 (C1), Jemmno_24 (C1), Jessibeth14_24 (C1), Jezreel_23 (C1), JustHall_24 (C1), Kamryn_24 (C1), Kboogie_25 (C1), Khaleesi_24 (C1), Koguma_21 (C1), Latch_24 (C1), Lee7_27 (C1), LifeSavor_25 (C1), LinStu_25 (C1), Littleton_24 (C1), Loanshark_25 (C1), LordLeafolot_31 (C1), Maby2021_26 (C1), Mangeria_28 (C1), Matsumoto_23 (C1), McGee_24 (C1), McWolfish_24 (C1), Megamind_25 (C1), Melpomini_24 (C1), MikeLiesIn_25 (C1), Mikro_22 (C1), MoMoMixon_26 (C1), Momo_23 (C1), Morizzled23_24 (C1), Naija_24 (C1), Napoleon13_24 (C1), Nappy_26 (C1), Naval22_27 (C1), NedWong_26 (C1), Ngannou_23 (C1), Nidhogg_26 (C1), NoodleTree_23 (C1), Norm_25 (C1), NuevoMundo_28 (C1), OrediggerDelux_27 (C1), ParkTD_24 (C1), Patter_24 (C1), Phlegm_26 (C1), Phusco_24 (C1), Pier_26 (C1), Pio_28 (C1), Pivoine_24 (C1), Pleione_27 (C1), QBert_23 (C1), Quasimodo_24 (C1), Rabinovish_24 (C1), Rahel_24 (C1), RoMag_19 (C1), Roots515_25 (C1), SVoro_24 (C1), Salacia_27 (C1), Sauce_26 (C1), ScottMcG_25 (C1), Shelob_27 (C1), ShiaLabeouf_24 (C1), Shifa_21 (C1), Shnickers_24 (C1), Shrimp_25 (C1), SilverDipper_25 (C1), SmallFry_24 (C1), Specks_29 (C1), Spud_27 (C1), SrishMeg2525_24 (C1), StubbySaigey_24 (C1), Stubby_23 (C1), Teardrop_24 (C1), TinyTim_25 (C1), Tortoise16_23 (C1), Trinitium_24 (C1), Tyke_26 (C1), ValleyTerrace_24 (C1), Wally_24 (C1), Willis_25 (C1), Yassified_22 (C1), YemiJoy2021_26 (C1), YoungMoneyMata_24 (C1), Yucca_25 (C1), Zalkecks_27 (C1), ZygoTaiga_25 (C1),

Start 2:
• Found in 180 of 180 (100.0%) of genes in pham
• Manual Annotations of this start: 26 of 177
• Called 15.0% of time when present
• Phage (with cluster) where this start called: Astraea_26 (C1), Ava3_26 (C1), BananaFence_26 (C1), Bezza_19 (C1), Bigswole_31 (C1), Bread_26 (C1), Cleatunium_21 (C1), Dandelion_28 (C1), DirtMonster_23 (C1), Domi_19 (C1), Ewok_25 (C1), Flabslab_26 (C1), Gizmo_27 (C1), Grungle_18 (C1), I3_27 (C1), Issimir_25 (C1), Izajani_26 (C1), LRRHood_22 (C1), Labradorite_25 (C1), LolaVinca_27 (C1), Lukilu_18 (C1), Pinkcreek_17 (C1), Rizal_23 (C1), Ronan_20 (C1), Shaqnato_21 (C1), StephanieG_24 (C1), Zeenon_27 (C1),

Start 4:
• Found in 180 of 180 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 1.1% of time when present
• Phage (with cluster) where this start called: Puhon_30 (C1), Rocha_23 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 1 was manually annotated 151 times for cluster C1.
•Start number 2 was manually annotated 26 times for cluster C1.

Gene Information:

Gene: Ablatia_23 Start: 6914, Stop: 7255, Start Num: 1
Candidate Starts for Ablatia_23:
(Start: 1 @6914 has 151 MA's), (Start: 2 @6962 has 26 MA's), (3, 6974), (4, 6977),

Gene: Ading_24 Start: 7174, Stop: 7515, Start Num: 1
Candidate Starts for Ading_24:
(Start: 1 @7174 has 151 MA's), (Start: 2 @7222 has 26 MA's), (3, 7234), (4, 7237),

Gene: Adlitam_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Adlitam_24:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Alice_20 Start: 6789, Stop: 7151, Start Num: 1
Candidate Starts for Alice_20:
(Start: 1 @6789 has 151 MA's), (Start: 2 @6837 has 26 MA's), (3, 6849), (4, 6852),

Gene: Amataga_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Amataga_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: ArcherS7_23 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for ArcherS7_23:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Asterius_26 Start: 7995, Stop: 8342, Start Num: 1
Candidate Starts for Asterius_26:
(Start: 1 @7995 has 151 MA's), (Start: 2 @8043 has 26 MA's), (3, 8055), (4, 8058),

Gene: Astraea_26 Start: 7926, Stop: 8225, Start Num: 2
Candidate Starts for Astraea_26:
(Start: 2 @7926 has 26 MA's), (3, 7938), (4, 7941),

Gene: Audrick_26 Start: 7174, Stop: 7515, Start Num: 1
Candidate Starts for Audrick_26:
(Start: 1 @7174 has 151 MA's), (Start: 2 @7222 has 26 MA's), (3, 7234), (4, 7237),

Gene: Ava3_26 Start: 8317, Stop: 8616, Start Num: 2
Candidate Starts for Ava3_26:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Babyland_24 Start: 7156, Stop: 7503, Start Num: 1
Candidate Starts for Babyland_24:
(Start: 1 @7156 has 151 MA's), (Start: 2 @7204 has 26 MA's), (3, 7216), (4, 7219),

Gene: BadAgartude_26 Start: 8350, Stop: 8697, Start Num: 1
Candidate Starts for BadAgartude_26:
(Start: 1 @8350 has 151 MA's), (Start: 2 @8398 has 26 MA's), (3, 8410), (4, 8413),

Gene: BananaFence_26 Start: 8210, Stop: 8503, Start Num: 2
Candidate Starts for BananaFence_26:
(Start: 1 @8162 has 151 MA's), (Start: 2 @8210 has 26 MA's), (3, 8222), (4, 8225),

Gene: Bangla1971_23 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Bangla1971_23:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Basquiat_24 Start: 7137, Stop: 7484, Start Num: 1
Candidate Starts for Basquiat_24:
(Start: 1 @7137 has 151 MA's), (Start: 2 @7185 has 26 MA's), (3, 7197), (4, 7200),

Gene: BeanWater_20 Start: 7305, Stop: 7646, Start Num: 1
Candidate Starts for BeanWater_20:
(Start: 1 @7305 has 151 MA's), (Start: 2 @7353 has 26 MA's), (3, 7365), (4, 7368),

Gene: Bezza_19 Start: 6839, Stop: 7138, Start Num: 2
Candidate Starts for Bezza_19:
(Start: 2 @6839 has 26 MA's), (3, 6851), (4, 6854),

Gene: Bigswole_31 Start: 9841, Stop: 10134, Start Num: 2
Candidate Starts for Bigswole_31:
(Start: 1 @9793 has 151 MA's), (Start: 2 @9841 has 26 MA's), (3, 9853), (4, 9856),

Gene: Bipolarisk_24 Start: 7995, Stop: 8336, Start Num: 1
Candidate Starts for Bipolarisk_24:
(Start: 1 @7995 has 151 MA's), (Start: 2 @8043 has 26 MA's), (3, 8055), (4, 8058),

Gene: Blackbrain_23 Start: 6953, Stop: 7300, Start Num: 1
Candidate Starts for Blackbrain_23:
(Start: 1 @6953 has 151 MA's), (Start: 2 @7001 has 26 MA's), (3, 7013), (4, 7016),

Gene: Blubba_19 Start: 6459, Stop: 6800, Start Num: 1
Candidate Starts for Blubba_19:
(Start: 1 @6459 has 151 MA's), (Start: 2 @6507 has 26 MA's), (3, 6519), (4, 6522),

Gene: BobaPhatt_25 Start: 7156, Stop: 7503, Start Num: 1
Candidate Starts for BobaPhatt_25:
(Start: 1 @7156 has 151 MA's), (Start: 2 @7204 has 26 MA's), (3, 7216), (4, 7219),

Gene: Bonray_25 Start: 8263, Stop: 8610, Start Num: 1
Candidate Starts for Bonray_25:
(Start: 1 @8263 has 151 MA's), (Start: 2 @8311 has 26 MA's), (3, 8323), (4, 8326),

Gene: Bread_26 Start: 8317, Stop: 8616, Start Num: 2
Candidate Starts for Bread_26:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Breeniome_25 Start: 7152, Stop: 7493, Start Num: 1
Candidate Starts for Breeniome_25:
(Start: 1 @7152 has 151 MA's), (Start: 2 @7200 has 26 MA's), (3, 7212), (4, 7215),

Gene: Burrough_25 Start: 7995, Stop: 8336, Start Num: 1
Candidate Starts for Burrough_25:
(Start: 1 @7995 has 151 MA's), (Start: 2 @8043 has 26 MA's), (3, 8055), (4, 8058),

Gene: Bxz1_26 Start: 8738, Stop: 9079, Start Num: 1
Candidate Starts for Bxz1_26:
(Start: 1 @8738 has 151 MA's), (Start: 2 @8786 has 26 MA's), (3, 8798), (4, 8801),

Gene: Cactojaque_22 Start: 6842, Stop: 7189, Start Num: 1
Candidate Starts for Cactojaque_22:
(Start: 1 @6842 has 151 MA's), (Start: 2 @6890 has 26 MA's), (3, 6902), (4, 6905),

Gene: Cali_25 Start: 9299, Stop: 9640, Start Num: 1
Candidate Starts for Cali_25:
(Start: 1 @9299 has 151 MA's), (Start: 2 @9347 has 26 MA's), (3, 9359), (4, 9362),

Gene: Cane17_18 Start: 6331, Stop: 6672, Start Num: 1
Candidate Starts for Cane17_18:
(Start: 1 @6331 has 151 MA's), (Start: 2 @6379 has 26 MA's), (3, 6391), (4, 6394),

Gene: Capablanca_26 Start: 8320, Stop: 8661, Start Num: 1
Candidate Starts for Capablanca_26:
(Start: 1 @8320 has 151 MA's), (Start: 2 @8368 has 26 MA's), (3, 8380), (4, 8383),

Gene: Caravan_23 Start: 7269, Stop: 7610, Start Num: 1
Candidate Starts for Caravan_23:
(Start: 1 @7269 has 151 MA's), (Start: 2 @7317 has 26 MA's), (3, 7329), (4, 7332),

Gene: Catera_23 Start: 7156, Stop: 7497, Start Num: 1
Candidate Starts for Catera_23:
(Start: 1 @7156 has 151 MA's), (Start: 2 @7204 has 26 MA's), (3, 7216), (4, 7219),

Gene: Chargie21_24 Start: 7137, Stop: 7484, Start Num: 1
Candidate Starts for Chargie21_24:
(Start: 1 @7137 has 151 MA's), (Start: 2 @7185 has 26 MA's), (3, 7197), (4, 7200),

Gene: CharlieB_25 Start: 7291, Stop: 7638, Start Num: 1
Candidate Starts for CharlieB_25:
(Start: 1 @7291 has 151 MA's), (Start: 2 @7339 has 26 MA's), (3, 7351), (4, 7354),

Gene: ChaylaJr_24 Start: 7224, Stop: 7571, Start Num: 1
Candidate Starts for ChaylaJr_24:
(Start: 1 @7224 has 151 MA's), (Start: 2 @7272 has 26 MA's), (3, 7284), (4, 7287),

Gene: ChickenPhender_24 Start: 7182, Stop: 7529, Start Num: 1
Candidate Starts for ChickenPhender_24:
(Start: 1 @7182 has 151 MA's), (Start: 2 @7230 has 26 MA's), (3, 7242), (4, 7245),

Gene: Chomp_24 Start: 7195, Stop: 7536, Start Num: 1

Candidate Starts for Chomp_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: CindyLou_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for CindyLou_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Cleatunium_21 Start: 7479, Stop: 7772, Start Num: 2
Candidate Starts for Cleatunium_21:
(Start: 1 @7431 has 151 MA's), (Start: 2 @7479 has 26 MA's), (3, 7491), (4, 7494),

Gene: Colt_18 Start: 6337, Stop: 6678, Start Num: 1
Candidate Starts for Colt_18:
(Start: 1 @6337 has 151 MA's), (Start: 2 @6385 has 26 MA's), (3, 6397), (4, 6400),

Gene: DTDevon_25 Start: 8359, Stop: 8700, Start Num: 1
Candidate Starts for DTDevon_25:
(Start: 1 @8359 has 151 MA's), (Start: 2 @8407 has 26 MA's), (3, 8419), (4, 8422),

Gene: Daffodil_27 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Daffodil_27:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Dandelion_28 Start: 9102, Stop: 9395, Start Num: 2
Candidate Starts for Dandelion_28:
(Start: 2 @9102 has 26 MA's), (3, 9114), (4, 9117),

Gene: Darko_24 Start: 8131, Stop: 8472, Start Num: 1
Candidate Starts for Darko_24:
(Start: 1 @8131 has 151 MA's), (Start: 2 @8179 has 26 MA's), (3, 8191), (4, 8194),

Gene: Delilah_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Delilah_25:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Delylah_26 Start: 8055, Stop: 8402, Start Num: 1
Candidate Starts for Delylah_26:
(Start: 1 @8055 has 151 MA's), (Start: 2 @8103 has 26 MA's), (3, 8115), (4, 8118),

Gene: Derek_25 Start: 7152, Stop: 7493, Start Num: 1
Candidate Starts for Derek_25:
(Start: 1 @7152 has 151 MA's), (Start: 2 @7200 has 26 MA's), (3, 7212), (4, 7215),

Gene: Dessert_25 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Dessert_25:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Dietrick_20 Start: 6910, Stop: 7257, Start Num: 1
Candidate Starts for Dietrick_20:
(Start: 1 @6910 has 151 MA's), (Start: 2 @6958 has 26 MA's), (3, 6970), (4, 6973),

Gene: DirtMonster_23 Start: 8332, Stop: 8625, Start Num: 2
Candidate Starts for DirtMonster_23:

(Start: 1 @8284 has 151 MA's), (Start: 2 @8332 has 26 MA's), (3, 8344), (4, 8347),

Gene: Domi_19 Start: 7048, Stop: 7356, Start Num: 2
Candidate Starts for Domi_19:
(Start: 1 @7000 has 151 MA's), (Start: 2 @7048 has 26 MA's), (3, 7060), (4, 7063),

Gene: DrPhinkDaddy_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for DrPhinkDaddy_25:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Drazdys_25 Start: 8060, Stop: 8401, Start Num: 1
Candidate Starts for Drazdys_25:
(Start: 1 @8060 has 151 MA's), (Start: 2 @8108 has 26 MA's), (3, 8120), (4, 8123),

Gene: ET08_20 Start: 7719, Stop: 8066, Start Num: 1
Candidate Starts for ET08_20:
(Start: 1 @7719 has 151 MA's), (Start: 2 @7767 has 26 MA's), (3, 7779), (4, 7782),

Gene: EmToTheThree_28 Start: 9683, Stop: 10030, Start Num: 1
Candidate Starts for EmToTheThree_28:
(Start: 1 @9683 has 151 MA's), (Start: 2 @9731 has 26 MA's), (3, 9743), (4, 9746),

Gene: EmmaElysia_23 Start: 6908, Stop: 7249, Start Num: 1
Candidate Starts for EmmaElysia_23:
(Start: 1 @6908 has 151 MA's), (Start: 2 @6956 has 26 MA's), (3, 6968), (4, 6971),

Gene: Erdmann_26 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Erdmann_26:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: ErnieJ_26 Start: 8083, Stop: 8430, Start Num: 1
Candidate Starts for ErnieJ_26:
(Start: 1 @8083 has 151 MA's), (Start: 2 @8131 has 26 MA's), (3, 8143), (4, 8146),

Gene: Essence_23 Start: 6917, Stop: 7258, Start Num: 1
Candidate Starts for Essence_23:
(Start: 1 @6917 has 151 MA's), (Start: 2 @6965 has 26 MA's), (3, 6977), (4, 6980),

Gene: Ewok_25 Start: 8319, Stop: 8618, Start Num: 2
Candidate Starts for Ewok_25:
(Start: 2 @8319 has 26 MA's), (3, 8331), (4, 8334),

Gene: Fixie_21 Start: 6893, Stop: 7240, Start Num: 1
Candidate Starts for Fixie_21:
(Start: 1 @6893 has 151 MA's), (Start: 2 @6941 has 26 MA's), (3, 6953), (4, 6956),

Gene: Flabslab_26 Start: 8238, Stop: 8552, Start Num: 2
Candidate Starts for Flabslab_26:
(Start: 2 @8238 has 26 MA's), (3, 8250), (4, 8253),

Gene: Fludd_24 Start: 7138, Stop: 7485, Start Num: 1
Candidate Starts for Fludd_24:
(Start: 1 @7138 has 151 MA's), (Start: 2 @7186 has 26 MA's), (3, 7198), (4, 7201),

Gene: FoxtrotP1_25 Start: 8581, Stop: 8943, Start Num: 1
Candidate Starts for FoxtrotP1_25:
(Start: 1 @8581 has 151 MA's), (Start: 2 @8629 has 26 MA's), (3, 8641), (4, 8644),

Gene: FrayBell_31 Start: 9849, Stop: 10190, Start Num: 1
Candidate Starts for FrayBell_31:
(Start: 1 @9849 has 151 MA's), (Start: 2 @9897 has 26 MA's), (3, 9909), (4, 9912),

Gene: FudgeTart_26 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for FudgeTart_26:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Gabriel_25 Start: 7152, Stop: 7493, Start Num: 1
Candidate Starts for Gabriel_25:
(Start: 1 @7152 has 151 MA's), (Start: 2 @7200 has 26 MA's), (3, 7212), (4, 7215),

Gene: Gamgam_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Gamgam_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Ghost_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Ghost_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Gizmo_27 Start: 8319, Stop: 8618, Start Num: 2
Candidate Starts for Gizmo_27:
(Start: 2 @8319 has 26 MA's), (3, 8331), (4, 8334),

Gene: GlutenPhree_25 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for GlutenPhree_25:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Grungle_18 Start: 5890, Stop: 6189, Start Num: 2
Candidate Starts for Grungle_18:
(Start: 2 @5890 has 26 MA's), (3, 5902), (4, 5905),

Gene: Guwapp_24 Start: 7152, Stop: 7493, Start Num: 1
Candidate Starts for Guwapp_24:
(Start: 1 @7152 has 151 MA's), (Start: 2 @7200 has 26 MA's), (3, 7212), (4, 7215),

Gene: HyRo_23 Start: 7924, Stop: 8271, Start Num: 1
Candidate Starts for HyRo_23:
(Start: 1 @7924 has 151 MA's), (Start: 2 @7972 has 26 MA's), (3, 7984), (4, 7987),

Gene: I3_27 Start: 8893, Stop: 9186, Start Num: 2
Candidate Starts for I3_27:
(Start: 1 @8845 has 151 MA's), (Start: 2 @8893 has 26 MA's), (3, 8905), (4, 8908),

Gene: IkeLoa_20 Start: 7011, Stop: 7382, Start Num: 1
Candidate Starts for IkeLoa_20:
(Start: 1 @7011 has 151 MA's), (Start: 2 @7059 has 26 MA's), (3, 7071), (4, 7074),

Gene: InigoMontoya_25 Start: 7156, Stop: 7497, Start Num: 1
Candidate Starts for InigoMontoya_25:
(Start: 1 @7156 has 151 MA's), (Start: 2 @7204 has 26 MA's), (3, 7216), (4, 7219),

Gene: InterFolia_31 Start: 9846, Stop: 10187, Start Num: 1
Candidate Starts for InterFolia_31:
(Start: 1 @9846 has 151 MA's), (Start: 2 @9894 has 26 MA's), (3, 9906), (4, 9909),

Gene: Iota_22 Start: 7810, Stop: 8151, Start Num: 1
Candidate Starts for Iota_22:
(Start: 1 @7810 has 151 MA's), (Start: 2 @7858 has 26 MA's), (3, 7870), (4, 7873),

Gene: Issimir_25 Start: 8311, Stop: 8610, Start Num: 2
Candidate Starts for Issimir_25:
(Start: 1 @8263 has 151 MA's), (Start: 2 @8311 has 26 MA's), (3, 8323), (4, 8326),

Gene: Izajani_26 Start: 8317, Stop: 8616, Start Num: 2
Candidate Starts for Izajani_26:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: JPickles_23 Start: 6912, Stop: 7259, Start Num: 1
Candidate Starts for JPickles_23:
(Start: 1 @6912 has 151 MA's), (Start: 2 @6960 has 26 MA's), (3, 6972), (4, 6975),

Gene: Janiyra_24 Start: 7174, Stop: 7515, Start Num: 1
Candidate Starts for Janiyra_24:
(Start: 1 @7174 has 151 MA's), (Start: 2 @7222 has 26 MA's), (3, 7234), (4, 7237),

Gene: Jaygup_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Jaygup_24:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Jedediah_25 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Jedediah_25:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Jemmno_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Jemmno_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Jessibeth14_24 Start: 7995, Stop: 8342, Start Num: 1
Candidate Starts for Jessibeth14_24:
(Start: 1 @7995 has 151 MA's), (Start: 2 @8043 has 26 MA's), (3, 8055), (4, 8058),

Gene: Jezreel_23 Start: 7212, Stop: 7553, Start Num: 1
Candidate Starts for Jezreel_23:
(Start: 1 @7212 has 151 MA's), (Start: 2 @7260 has 26 MA's), (3, 7272), (4, 7275),

Gene: JustHall_24 Start: 8157, Stop: 8519, Start Num: 1
Candidate Starts for JustHall_24:
(Start: 1 @8157 has 151 MA's), (Start: 2 @8205 has 26 MA's), (3, 8217), (4, 8220),

Gene: Kamryn_24 Start: 7519, Stop: 7860, Start Num: 1

Candidate Starts for Kamryn_24:
(Start: 1 @7519 has 151 MA's), (Start: 2 @7567 has 26 MA's), (3, 7579), (4, 7582),

Gene: Kboogie_25 Start: 7193, Stop: 7540, Start Num: 1
Candidate Starts for Kboogie_25:
(Start: 1 @7193 has 151 MA's), (Start: 2 @7241 has 26 MA's), (3, 7253), (4, 7256),

Gene: Khaleesi_24 Start: 8022, Stop: 8369, Start Num: 1
Candidate Starts for Khaleesi_24:
(Start: 1 @8022 has 151 MA's), (Start: 2 @8070 has 26 MA's), (3, 8082), (4, 8085),

Gene: Koguma_21 Start: 6480, Stop: 6827, Start Num: 1
Candidate Starts for Koguma_21:
(Start: 1 @6480 has 151 MA's), (Start: 2 @6528 has 26 MA's), (3, 6540), (4, 6543),

Gene: LRRHood_22 Start: 8459, Stop: 8758, Start Num: 2
Candidate Starts for LRRHood_22:
(Start: 2 @8459 has 26 MA's), (3, 8471), (4, 8474),

Gene: Labradorite_25 Start: 7239, Stop: 7532, Start Num: 2
Candidate Starts for Labradorite_25:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Latch_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Latch_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Lee7_27 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Lee7_27:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: LifeSavor_25 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for LifeSavor_25:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: LinStu_25 Start: 8613, Stop: 8960, Start Num: 1
Candidate Starts for LinStu_25:
(Start: 1 @8613 has 151 MA's), (Start: 2 @8661 has 26 MA's), (3, 8673), (4, 8676),

Gene: Littleton_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Littleton_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Loanshark_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Loanshark_25:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: LolaVinca_27 Start: 9000, Stop: 9293, Start Num: 2
Candidate Starts for LolaVinca_27:
(Start: 1 @8952 has 151 MA's), (Start: 2 @9000 has 26 MA's), (3, 9012), (4, 9015),

Gene: LordLeafolot_31 Start: 9848, Stop: 10189, Start Num: 1
Candidate Starts for LordLeafolot_31:

(Start: 1 @9848 has 151 MA's), (Start: 2 @9896 has 26 MA's), (3, 9908), (4, 9911),

Gene: Lukilu_18 Start: 6910, Stop: 7209, Start Num: 2
Candidate Starts for Lukilu_18:
(Start: 2 @6910 has 26 MA's), (3, 6922), (4, 6925),

Gene: Maby2021_26 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Maby2021_26:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Mangeria_28 Start: 8804, Stop: 9145, Start Num: 1
Candidate Starts for Mangeria_28:
(Start: 1 @8804 has 151 MA's), (Start: 2 @8852 has 26 MA's), (3, 8864), (4, 8867),

Gene: Matsumoto_23 Start: 7156, Stop: 7497, Start Num: 1
Candidate Starts for Matsumoto_23:
(Start: 1 @7156 has 151 MA's), (Start: 2 @7204 has 26 MA's), (3, 7216), (4, 7219),

Gene: McGee_24 Start: 6910, Stop: 7257, Start Num: 1
Candidate Starts for McGee_24:
(Start: 1 @6910 has 151 MA's), (Start: 2 @6958 has 26 MA's), (3, 6970), (4, 6973),

Gene: McWolfish_24 Start: 8022, Stop: 8369, Start Num: 1
Candidate Starts for McWolfish_24:
(Start: 1 @8022 has 151 MA's), (Start: 2 @8070 has 26 MA's), (3, 8082), (4, 8085),

Gene: Megamind_25 Start: 8269, Stop: 8610, Start Num: 1
Candidate Starts for Megamind_25:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Melpomini_24 Start: 7135, Stop: 7476, Start Num: 1
Candidate Starts for Melpomini_24:
(Start: 1 @7135 has 151 MA's), (Start: 2 @7183 has 26 MA's), (3, 7195), (4, 7198),

Gene: MikeLiesIn_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for MikeLiesIn_25:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Mikro_22 Start: 8211, Stop: 8567, Start Num: 1
Candidate Starts for Mikro_22:
(Start: 1 @8211 has 151 MA's), (Start: 2 @8259 has 26 MA's), (3, 8271), (4, 8274),

Gene: MoMoMixon_26 Start: 8592, Stop: 8933, Start Num: 1
Candidate Starts for MoMoMixon_26:
(Start: 1 @8592 has 151 MA's), (Start: 2 @8640 has 26 MA's), (3, 8652), (4, 8655),

Gene: Momo_23 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Momo_23:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Morizzled23_24 Start: 7135, Stop: 7476, Start Num: 1
Candidate Starts for Morizzled23_24:
(Start: 1 @7135 has 151 MA's), (Start: 2 @7183 has 26 MA's), (3, 7195), (4, 7198),

Gene: Naija_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Naija_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Napoleon13_24 Start: 7154, Stop: 7495, Start Num: 1
Candidate Starts for Napoleon13_24:
(Start: 1 @7154 has 151 MA's), (Start: 2 @7202 has 26 MA's), (3, 7214), (4, 7217),

Gene: Nappy_26 Start: 8442, Stop: 8783, Start Num: 1
Candidate Starts for Nappy_26:
(Start: 1 @8442 has 151 MA's), (Start: 2 @8490 has 26 MA's), (3, 8502), (4, 8505),

Gene: Naval22_27 Start: 8318, Stop: 8659, Start Num: 1
Candidate Starts for Naval22_27:
(Start: 1 @8318 has 151 MA's), (Start: 2 @8366 has 26 MA's), (3, 8378), (4, 8381),

Gene: NedWong_26 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for NedWong_26:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Ngannou_23 Start: 6891, Stop: 7238, Start Num: 1
Candidate Starts for Ngannou_23:
(Start: 1 @6891 has 151 MA's), (Start: 2 @6939 has 26 MA's), (3, 6951), (4, 6954),

Gene: Nidhogg_26 Start: 8345, Stop: 8686, Start Num: 1
Candidate Starts for Nidhogg_26:
(Start: 1 @8345 has 151 MA's), (Start: 2 @8393 has 26 MA's), (3, 8405), (4, 8408),

Gene: NoodleTree_23 Start: 7212, Stop: 7568, Start Num: 1
Candidate Starts for NoodleTree_23:
(Start: 1 @7212 has 151 MA's), (Start: 2 @7260 has 26 MA's), (3, 7272), (4, 7275),

Gene: Norm_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Norm_25:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: NuevoMundo_28 Start: 9320, Stop: 9676, Start Num: 1
Candidate Starts for NuevoMundo_28:
(Start: 1 @9320 has 151 MA's), (Start: 2 @9368 has 26 MA's), (3, 9380), (4, 9383),

Gene: OrediggerDelux_27 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for OrediggerDelux_27:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: ParkTD_24 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for ParkTD_24:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Patter_24 Start: 7212, Stop: 7553, Start Num: 1
Candidate Starts for Patter_24:
(Start: 1 @7212 has 151 MA's), (Start: 2 @7260 has 26 MA's), (3, 7272), (4, 7275),

Gene: Phlegm_26 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Phlegm_26:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Phusco_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Phusco_24:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Pier_26 Start: 7883, Stop: 8239, Start Num: 1
Candidate Starts for Pier_26:
(Start: 1 @7883 has 151 MA's), (Start: 2 @7931 has 26 MA's), (3, 7943), (4, 7946),

Gene: Pinkcreek_17 Start: 6160, Stop: 6459, Start Num: 2
Candidate Starts for Pinkcreek_17:
(Start: 1 @6112 has 151 MA's), (Start: 2 @6160 has 26 MA's), (3, 6172), (4, 6175),

Gene: Pio_28 Start: 9127, Stop: 9468, Start Num: 1
Candidate Starts for Pio_28:
(Start: 1 @9127 has 151 MA's), (Start: 2 @9175 has 26 MA's), (3, 9187), (4, 9190),

Gene: Pivoine_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Pivoine_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Pleione_27 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Pleione_27:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Puhon_30 Start: 9911, Stop: 10204, Start Num: 4
Candidate Starts for Puhon_30:
(Start: 1 @9848 has 151 MA's), (Start: 2 @9896 has 26 MA's), (3, 9908), (4, 9911),

Gene: QBert_23 Start: 8427, Stop: 8774, Start Num: 1
Candidate Starts for QBert_23:
(Start: 1 @8427 has 151 MA's), (Start: 2 @8475 has 26 MA's), (3, 8487), (4, 8490),

Gene: Quasimodo_24 Start: 8155, Stop: 8496, Start Num: 1
Candidate Starts for Quasimodo_24:
(Start: 1 @8155 has 151 MA's), (Start: 2 @8203 has 26 MA's), (3, 8215), (4, 8218),

Gene: Rabinovish_24 Start: 8715, Stop: 9062, Start Num: 1
Candidate Starts for Rabinovish_24:
(Start: 1 @8715 has 151 MA's), (Start: 2 @8763 has 26 MA's), (3, 8775), (4, 8778),

Gene: Rahel_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Rahel_24:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Rizal_23 Start: 7240, Stop: 7533, Start Num: 2
Candidate Starts for Rizal_23:
(Start: 2 @7240 has 26 MA's), (3, 7252), (4, 7255),

Gene: RoMag_19 Start: 6962, Stop: 7333, Start Num: 1

Candidate Starts for RoMag_19:
(Start: 1 @6962 has 151 MA's), (Start: 2 @7010 has 26 MA's), (3, 7022), (4, 7025),

Gene: Rocha_23 Start: 7274, Stop: 7567, Start Num: 4
Candidate Starts for Rocha_23:
(Start: 1 @7211 has 151 MA's), (Start: 2 @7259 has 26 MA's), (3, 7271), (4, 7274),

Gene: Ronan_20 Start: 5886, Stop: 6179, Start Num: 2
Candidate Starts for Ronan_20:
(Start: 1 @5838 has 151 MA's), (Start: 2 @5886 has 26 MA's), (3, 5898), (4, 5901),

Gene: Roots515_25 Start: 8268, Stop: 8615, Start Num: 1
Candidate Starts for Roots515_25:
(Start: 1 @8268 has 151 MA's), (Start: 2 @8316 has 26 MA's), (3, 8328), (4, 8331),

Gene: SVoro_24 Start: 8263, Stop: 8610, Start Num: 1
Candidate Starts for SVoro_24:
(Start: 1 @8263 has 151 MA's), (Start: 2 @8311 has 26 MA's), (3, 8323), (4, 8326),

Gene: Salacia_27 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Salacia_27:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Sauce_26 Start: 8390, Stop: 8737, Start Num: 1
Candidate Starts for Sauce_26:
(Start: 1 @8390 has 151 MA's), (Start: 2 @8438 has 26 MA's), (3, 8450), (4, 8453),

Gene: ScottMcG_25 Start: 8578, Stop: 8925, Start Num: 1
Candidate Starts for ScottMcG_25:
(Start: 1 @8578 has 151 MA's), (Start: 2 @8626 has 26 MA's), (3, 8638), (4, 8641),

Gene: Shaqnato_21 Start: 6893, Stop: 7192, Start Num: 2
Candidate Starts for Shaqnato_21:
(Start: 2 @6893 has 26 MA's), (3, 6905), (4, 6908),

Gene: Shelob_27 Start: 9157, Stop: 9504, Start Num: 1
Candidate Starts for Shelob_27:
(Start: 1 @9157 has 151 MA's), (Start: 2 @9205 has 26 MA's), (3, 9217), (4, 9220),

Gene: ShiaLabeouf_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for ShiaLabeouf_24:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Shifa_21 Start: 7355, Stop: 7717, Start Num: 1
Candidate Starts for Shifa_21:
(Start: 1 @7355 has 151 MA's), (Start: 2 @7403 has 26 MA's), (3, 7415), (4, 7418),

Gene: Shnickers_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Shnickers_24:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Shrimp_25 Start: 8273, Stop: 8620, Start Num: 1
Candidate Starts for Shrimp_25:

(Start: 1 @8273 has 151 MA's), (Start: 2 @8321 has 26 MA's), (3, 8333), (4, 8336),

Gene: SilverDipper_25 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for SilverDipper_25:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: SmallFry_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for SmallFry_24:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Specks_29 Start: 9029, Stop: 9370, Start Num: 1
Candidate Starts for Specks_29:
(Start: 1 @9029 has 151 MA's), (Start: 2 @9077 has 26 MA's), (3, 9089), (4, 9092),

Gene: Spud_27 Start: 9127, Stop: 9468, Start Num: 1
Candidate Starts for Spud_27:
(Start: 1 @9127 has 151 MA's), (Start: 2 @9175 has 26 MA's), (3, 9187), (4, 9190),

Gene: SrishMeg2525_24 Start: 7995, Stop: 8336, Start Num: 1
Candidate Starts for SrishMeg2525_24:
(Start: 1 @7995 has 151 MA's), (Start: 2 @8043 has 26 MA's), (3, 8055), (4, 8058),

Gene: StephanieG_24 Start: 7956, Stop: 8264, Start Num: 2
Candidate Starts for StephanieG_24:
(Start: 1 @7908 has 151 MA's), (Start: 2 @7956 has 26 MA's), (3, 7968), (4, 7971),

Gene: Stubby_23 Start: 7535, Stop: 7882, Start Num: 1
Candidate Starts for Stubby_23:
(Start: 1 @7535 has 151 MA's), (Start: 2 @7583 has 26 MA's), (3, 7595), (4, 7598),

Gene: StubbySaigey_24 Start: 6912, Stop: 7259, Start Num: 1
Candidate Starts for StubbySaigey_24:
(Start: 1 @6912 has 151 MA's), (Start: 2 @6960 has 26 MA's), (3, 6972), (4, 6975),

Gene: Teardrop_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Teardrop_24:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: TinyTim_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for TinyTim_25:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Tortoise16_23 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Tortoise16_23:
(Start: 1 @7191 has 151 MA's), (Start: 2 @7239 has 26 MA's), (3, 7251), (4, 7254),

Gene: Trinitium_24 Start: 7152, Stop: 7499, Start Num: 1
Candidate Starts for Trinitium_24:
(Start: 1 @7152 has 151 MA's), (Start: 2 @7200 has 26 MA's), (3, 7212), (4, 7215),

Gene: Tyke_26 Start: 8603, Stop: 8944, Start Num: 1
Candidate Starts for Tyke_26:
(Start: 1 @8603 has 151 MA's), (Start: 2 @8651 has 26 MA's), (3, 8663), (4, 8666),

Gene: ValleyTerrace_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for ValleyTerrace_24:
(Start: 1 @7195 has 151 MA's), (Start: 2 @7243 has 26 MA's), (3, 7255), (4, 7258),

Gene: Wally_24 Start: 7156, Stop: 7497, Start Num: 1
Candidate Starts for Wally_24:
(Start: 1 @7156 has 151 MA's), (Start: 2 @7204 has 26 MA's), (3, 7216), (4, 7219),

Gene: Willis_25 Start: 8164, Stop: 8511, Start Num: 1
Candidate Starts for Willis_25:
(Start: 1 @8164 has 151 MA's), (Start: 2 @8212 has 26 MA's), (3, 8224), (4, 8227),

Gene: Yassified_22 Start: 6915, Stop: 7262, Start Num: 1
Candidate Starts for Yassified_22:
(Start: 1 @6915 has 151 MA's), (Start: 2 @6963 has 26 MA's), (3, 6975), (4, 6978),

Gene: YemiJoy2021_26 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for YemiJoy2021_26:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: YoungMoneyMata_24 Start: 6925, Stop: 7287, Start Num: 1
Candidate Starts for YoungMoneyMata_24:
(Start: 1 @6925 has 151 MA's), (Start: 2 @6973 has 26 MA's), (3, 6985), (4, 6988),

Gene: Yucca_25 Start: 8191, Stop: 8538, Start Num: 1
Candidate Starts for Yucca_25:
(Start: 1 @8191 has 151 MA's), (Start: 2 @8239 has 26 MA's), (3, 8251), (4, 8254),

Gene: Zalkecks_27 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Zalkecks_27:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),

Gene: Zeenon_27 Start: 8318, Stop: 8611, Start Num: 2
Candidate Starts for Zeenon_27:
(Start: 1 @8270 has 151 MA's), (Start: 2 @8318 has 26 MA's), (3, 8330), (4, 8333),

Gene: ZygoTaiga_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for ZygoTaiga_25:
(Start: 1 @8269 has 151 MA's), (Start: 2 @8317 has 26 MA's), (3, 8329), (4, 8332),