Pham 290843

1: LookingGlass_27 + 31

2: Capablanca_26 + 144

3: BobaPhatt_22 + 25

4: Astraea_26 + 9

5: Halldule_21 + 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 290843 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290843 has 215 members, 36 are drafts.

Phages represented in each track:
• Track 1 : LookingGlass_27, Primadonna_20, Substance289_22, Lee7_24, Cleatunium_21, Concombre_24, EggyFarm_29, Atlantean_24, Moiqah_19, Grasshills_29, Fongie_24, Tainan_30, Duckfeet_22, PharkleMinkus_30, Dessert_22, Bowman_24, DeejaClivia_21, Maturis_25, Blackdragon_20, Fixie_22, Naval22_27, BigCity_29, JigglyPuff_25, Moby_19, JayJay_28, Spec_22, PurduePete_24, Demodog_23, Rocha_23, Belieber_21, Pupusa_30, OrediggerDelux_24
• Track 2 : Capablanca_26, Dietrick_20, Kboogie_25, McGee_24, Shrimp_25, Asterius_26, ZygoTaiga_25, Ghost_24, Babyland_24, Pleione_27, GlutenPhree_25, Spud_27, Adlitam_24, 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, 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, ChickenPhender_24, Gamgam_24, Trinitium_24, ScottMcG_25, Pivoine_24, Breeniome_25, Daffodil_27, Salacia_27, Gabriel_25, BeanWater_20, ChaylaJr_24, Jedediah_25, InterFolia_31, Blubba_19, Cactojaque_22, Kamryn_24, Nidhogg_26, Guwapp_24, CindyLou_24, FudgeTart_26, ErnieJ_26, StubbySaigey_24, DrPhinkDaddy_25, HyRo_23, Derek_25, YemiJoy2021_26, Willis_25, FoxtrotP1_25, Littleton_24, Jezreel_23, Bipolarisk_24, Sauce_26, ShiaLabeouf_24, Nappy_26, ValleyTerrace_24, BadAgartude_26, Melpomini_24, Cane17_18, YoungMoneyMata_24, Shelob_27, Roots515_25, Mikro_22, Essence_23, QBert_23, Ngannou_23, Erdmann_26, EmmaElysia_23, Megamind_25, Fludd_24, Mangeria_28, McWolfish_24, Cali_25, Basquiat_24, Chargie21_24, LinStu_25, Yassified_22, Shnickers_24, Quasimodo_24, Jaygup_24, Ablatia_23, SilverDipper_25, InigoMontoya_25, Darko_24, Jemmno_24, Tortoise16_23, DTDevon_25, Rahel_24, MikeLiesIn_25, Catera_23, Maby2021_26, Caravan_23, JPickles_23, Wally_24, Momo_23, Shifa_21, Napoleon13_24, MoMoMixon_26, Naija_24, Pio_28
• Track 3 : BobaPhatt_22, Izajani_26, Turret_23, Zeenon_27, I3_27, Bigswole_31, Phox_24, Domi_19, Montpel_24, Bread_26, Lunareta_24, Sprinklers_25, Ava3_26, Ronan_20, Pinkcreek_17, Lethe_24, JulietS_20, Sebata_25, LolaVinca_27, DirtMonster_23, BananaFence_26, StephanieG_24, Issimir_25, EasyJones_24, Labradorite_22, BackyardAgain_22

• Track 4 : Astraea_26, Rizal_23, Grungle_18, Shaqnato_21, Dandelion_28, Lukilu_18, LRRHood_22, Gizmo_27, Flabslab_26, Ewok_25
• Track 5 : Halldule_21, Bezza_17

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 145 of the 179 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, 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, Dietrick_20, DrPhinkDaddy_25, Drazdys_25, ET08_20, EmToTheThree_28, EmmaElysia_23, Erdmann_26, ErnieJ_26, Essence_23, 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, 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, NedWong_26, Ngannou_23, Nidhogg_26, NoodleTree_23, Norm_25, NuevoMundo_28, 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:
• Atlantean_24, Ava3_26, BackyardAgain_22, BananaFence_26, Belieber_21, BigCity_29, Bigswole_31, Blackdragon_20, BobaPhatt_22, Bowman_24, Bread_26, Cleatunium_21, Concombre_24, DeejaClivia_21, Demodog_23, Dessert_22, DirtMonster_23, Domi_19, Duckfeet_22, EasyJones_24, EggyFarm_29, Fixie_22, Fongie_24, Grasshills_29, I3_27, Issimir_25, Izajani_26, JayJay_28, JigglyPuff_25, JulietS_20, Labradorite_22, Lee7_24, Lethe_24, LolaVinca_27, LookingGlass_27, Lunareta_24, Maturis_25, Moby_19, Moiqah_19, Montpel_24, Naval22_27, OrediggerDelux_24, PharkleMinkus_30, Phox_24, Pinkcreek_17, Primadonna_20, Pupusa_30, PurduePete_24, Rocha_23, Ronan_20, Sebata_25, Spec_22, Sprinklers_25, StephanieG_24, Substance289_22, Tainan_30, Turret_23, Zeenon_27,

Genes that do not have the "Most Annotated" start:
• Astraea_26, Bezza_17, Dandelion_28, Ewok_25, Flabslab_26, Gizmo_27, Grungle_18, Halldule_21, LRRHood_22, Lukilu_18, Rizal_23, Shaqnato_21,

Summary by start number:

Start 1:
• Found in 203 of 215 (94.4%) of genes in pham
• Manual Annotations of this start: 145 of 179
• Called 71.4% 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), 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), 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), 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), 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), NedWong_26 (C1), Ngannou_23 (C1), Nidhogg_26 (C1), NoodleTree_23 (C1), Norm_25 (C1), NuevoMundo_28 (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 215 of 215 (100.0%) of genes in pham
• Manual Annotations of this start: 31 of 179
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Astraea_26 (C1), Ava3_26 (C1), BackyardAgain_22 (C1), BananaFence_26 (C1), Bigswole_31 (C1), BobaPhatt_22 (C1), Bread_26 (C1), Dandelion_28 (C1), DirtMonster_23 (C1), Domi_19 (C1),

EasyJones_24 (C1), Ewok_25 (C1), Flabslab_26 (C1), Gizmo_27 (C1), Grungle_18 (C1), I3_27 (C1), Issimir_25 (C1), Izajani_26 (C1), JulietS_20 (C1), LRRHood_22 (C1), Labradorite_22 (C1), Lethe_24 (C1), LolaVinca_27 (C1), Lukilu_18 (C1), Lunareta_24 (C1), Montpel_24 (C1), Phox_24 (C1), Pinkcreek_17 (C1), Rizal_23 (C1), Ronan_20 (C1), Sebata_25 (C1), Shaqnato_21 (C1), Sprinklers_25 (C1), StephanieG_24 (C1), Turret_23 (C1), Zeenon_27 (C1),

Start 4:
• Found in 215 of 215 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 179
• Called 15.8% of time when present
• Phage (with cluster) where this start called: Atlantean_24 (C1), Belieber_21 (C1), Bezza_17 (C1), BigCity_29 (C1), Blackdragon_20 (C1), Bowman_24 (C1), Cleatunium_21 (C1), Concombre_24 (C1), DeejaClivia_21 (C1), Demodog_23 (C1), Dessert_22 (C1), Duckfeet_22 (C1), EggyFarm_29 (C1), Fixie_22 (C1), Fongie_24 (C1), Grasshills_29 (C1), Halldule_21 (C1), JayJay_28 (C1), JigglyPuff_25 (C1), Lee7_24 (C1), LookingGlass_27 (C1), Maturis_25 (C1), Moby_19 (C1), Moiqah_19 (C1), Naval22_27 (C1), OrediggerDelux_24 (C1), PharkleMinkus_30 (C1), Primadonna_20 (C1), Pupusa_30 (C1), PurduePete_24 (C1), Rocha_23 (C1), Spec_22 (C1), Substance289_22 (C1), Tainan_30 (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 145 times for cluster C1.
•Start number 2 was manually annotated 31 times for cluster C1.
•Start number 4 was manually annotated 3 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 145 MA's), (Start: 2 @6962 has 31 MA's), (3, 6974), (Start: 4 @6977 has 3 MA's),

Gene: Ading_24 Start: 7174, Stop: 7515, Start Num: 1
Candidate Starts for Ading_24:
(Start: 1 @7174 has 145 MA's), (Start: 2 @7222 has 31 MA's), (3, 7234), (Start: 4 @7237 has 3 MA's),

Gene: Adlitam_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Adlitam_24:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Alice_20 Start: 6789, Stop: 7151, Start Num: 1
Candidate Starts for Alice_20:
(Start: 1 @6789 has 145 MA's), (Start: 2 @6837 has 31 MA's), (3, 6849), (Start: 4 @6852 has 3 MA's),

Gene: Amataga_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Amataga_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: ArcherS7_23 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for ArcherS7_23:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Asterius_26 Start: 7995, Stop: 8342, Start Num: 1
Candidate Starts for Asterius_26:
(Start: 1 @7995 has 145 MA's), (Start: 2 @8043 has 31 MA's), (3, 8055), (Start: 4 @8058 has 3 MA's),

Gene: Astraea_26 Start: 7926, Stop: 8225, Start Num: 2
Candidate Starts for Astraea_26:
(Start: 2 @7926 has 31 MA's), (3, 7938), (Start: 4 @7941 has 3 MA's),

Gene: Atlantean_24 Start: 7258, Stop: 7536, Start Num: 4
Candidate Starts for Atlantean_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Audrick_26 Start: 7174, Stop: 7515, Start Num: 1
Candidate Starts for Audrick_26:
(Start: 1 @7174 has 145 MA's), (Start: 2 @7222 has 31 MA's), (3, 7234), (Start: 4 @7237 has 3 MA's),

Gene: Ava3_26 Start: 8317, Stop: 8616, Start Num: 2
Candidate Starts for Ava3_26:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Babyland_24 Start: 7156, Stop: 7503, Start Num: 1
Candidate Starts for Babyland_24:
(Start: 1 @7156 has 145 MA's), (Start: 2 @7204 has 31 MA's), (3, 7216), (Start: 4 @7219 has 3 MA's),

Gene: BackyardAgain_22 Start: 7200, Stop: 7499, Start Num: 2
Candidate Starts for BackyardAgain_22:
(Start: 1 @7152 has 145 MA's), (Start: 2 @7200 has 31 MA's), (3, 7212), (Start: 4 @7215 has 3 MA's),

Gene: BadAgartude_26 Start: 8350, Stop: 8697, Start Num: 1
Candidate Starts for BadAgartude_26:
(Start: 1 @8350 has 145 MA's), (Start: 2 @8398 has 31 MA's), (3, 8410), (Start: 4 @8413 has 3 MA's),

Gene: BananaFence_26 Start: 8210, Stop: 8503, Start Num: 2
Candidate Starts for BananaFence_26:
(Start: 1 @8162 has 145 MA's), (Start: 2 @8210 has 31 MA's), (3, 8222), (Start: 4 @8225 has 3 MA's),

Gene: Bangla1971_23 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Bangla1971_23:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Basquiat_24 Start: 7137, Stop: 7484, Start Num: 1
Candidate Starts for Basquiat_24:
(Start: 1 @7137 has 145 MA's), (Start: 2 @7185 has 31 MA's), (3, 7197), (Start: 4 @7200 has 3 MA's),

Gene: BeanWater_20 Start: 7305, Stop: 7646, Start Num: 1
Candidate Starts for BeanWater_20:
(Start: 1 @7305 has 145 MA's), (Start: 2 @7353 has 31 MA's), (3, 7365), (Start: 4 @7368 has 3 MA's),

Gene: Belieber_21 Start: 6975, Stop: 7259, Start Num: 4
Candidate Starts for Belieber_21:
(Start: 1 @6912 has 145 MA's), (Start: 2 @6960 has 31 MA's), (3, 6972), (Start: 4 @6975 has 3 MA's),

Gene: Bezza_17 Start: 6854, Stop: 7138, Start Num: 4
Candidate Starts for Bezza_17:
(Start: 2 @6839 has 31 MA's), (3, 6851), (Start: 4 @6854 has 3 MA's),

Gene: BigCity_29 Start: 9318, Stop: 9596, Start Num: 4
Candidate Starts for BigCity_29:
(Start: 1 @9255 has 145 MA's), (Start: 2 @9303 has 31 MA's), (3, 9315), (Start: 4 @9318 has 3 MA's),

Gene: Bigswole_31 Start: 9841, Stop: 10134, Start Num: 2
Candidate Starts for Bigswole_31:
(Start: 1 @9793 has 145 MA's), (Start: 2 @9841 has 31 MA's), (3, 9853), (Start: 4 @9856 has 3 MA's),

Gene: Bipolarisk_24 Start: 7995, Stop: 8336, Start Num: 1
Candidate Starts for Bipolarisk_24:
(Start: 1 @7995 has 145 MA's), (Start: 2 @8043 has 31 MA's), (3, 8055), (Start: 4 @8058 has 3 MA's),

Gene: Blackbrain_23 Start: 6953, Stop: 7300, Start Num: 1
Candidate Starts for Blackbrain_23:
(Start: 1 @6953 has 145 MA's), (Start: 2 @7001 has 31 MA's), (3, 7013), (Start: 4 @7016 has 3 MA's),

Gene: Blackdragon_20 Start: 6822, Stop: 7106, Start Num: 4
Candidate Starts for Blackdragon_20:
(Start: 1 @6759 has 145 MA's), (Start: 2 @6807 has 31 MA's), (3, 6819), (Start: 4 @6822 has 3 MA's),

Gene: Blubba_19 Start: 6459, Stop: 6800, Start Num: 1
Candidate Starts for Blubba_19:
(Start: 1 @6459 has 145 MA's), (Start: 2 @6507 has 31 MA's), (3, 6519), (Start: 4 @6522 has 3 MA's),

Gene: BobaPhatt_22 Start: 7204, Stop: 7503, Start Num: 2
Candidate Starts for BobaPhatt_22:
(Start: 1 @7156 has 145 MA's), (Start: 2 @7204 has 31 MA's), (3, 7216), (Start: 4 @7219 has 3 MA's),

Gene: Bonray_25 Start: 8263, Stop: 8610, Start Num: 1
Candidate Starts for Bonray_25:
(Start: 1 @8263 has 145 MA's), (Start: 2 @8311 has 31 MA's), (3, 8323), (Start: 4 @8326 has 3 MA's),

Gene: Bowman_24 Start: 8332, Stop: 8616, Start Num: 4
Candidate Starts for Bowman_24:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Bread_26 Start: 8317, Stop: 8616, Start Num: 2
Candidate Starts for Bread_26:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Breeniome_25 Start: 7152, Stop: 7493, Start Num: 1
Candidate Starts for Breeniome_25:
(Start: 1 @7152 has 145 MA's), (Start: 2 @7200 has 31 MA's), (3, 7212), (Start: 4 @7215 has 3 MA's),

Gene: Burrough_25 Start: 7995, Stop: 8336, Start Num: 1

Candidate Starts for Burrough_25:
(Start: 1 @7995 has 145 MA's), (Start: 2 @8043 has 31 MA's), (3, 8055), (Start: 4 @8058 has 3 MA's),

Gene: Bxz1_26 Start: 8738, Stop: 9079, Start Num: 1
Candidate Starts for Bxz1_26:
(Start: 1 @8738 has 145 MA's), (Start: 2 @8786 has 31 MA's), (3, 8798), (Start: 4 @8801 has 3 MA's),

Gene: Cactojaque_22 Start: 6842, Stop: 7189, Start Num: 1
Candidate Starts for Cactojaque_22:
(Start: 1 @6842 has 145 MA's), (Start: 2 @6890 has 31 MA's), (3, 6902), (Start: 4 @6905 has 3 MA's),

Gene: Cali_25 Start: 9299, Stop: 9640, Start Num: 1
Candidate Starts for Cali_25:
(Start: 1 @9299 has 145 MA's), (Start: 2 @9347 has 31 MA's), (3, 9359), (Start: 4 @9362 has 3 MA's),

Gene: Cane17_18 Start: 6331, Stop: 6672, Start Num: 1
Candidate Starts for Cane17_18:
(Start: 1 @6331 has 145 MA's), (Start: 2 @6379 has 31 MA's), (3, 6391), (Start: 4 @6394 has 3 MA's),

Gene: Capablanca_26 Start: 8320, Stop: 8661, Start Num: 1
Candidate Starts for Capablanca_26:
(Start: 1 @8320 has 145 MA's), (Start: 2 @8368 has 31 MA's), (3, 8380), (Start: 4 @8383 has 3 MA's),

Gene: Caravan_23 Start: 7269, Stop: 7610, Start Num: 1
Candidate Starts for Caravan_23:
(Start: 1 @7269 has 145 MA's), (Start: 2 @7317 has 31 MA's), (3, 7329), (Start: 4 @7332 has 3 MA's),

Gene: Catera_23 Start: 7156, Stop: 7497, Start Num: 1
Candidate Starts for Catera_23:
(Start: 1 @7156 has 145 MA's), (Start: 2 @7204 has 31 MA's), (3, 7216), (Start: 4 @7219 has 3 MA's),

Gene: Chargie21_24 Start: 7137, Stop: 7484, Start Num: 1
Candidate Starts for Chargie21_24:
(Start: 1 @7137 has 145 MA's), (Start: 2 @7185 has 31 MA's), (3, 7197), (Start: 4 @7200 has 3 MA's),

Gene: CharlieB_25 Start: 7291, Stop: 7638, Start Num: 1
Candidate Starts for CharlieB_25:
(Start: 1 @7291 has 145 MA's), (Start: 2 @7339 has 31 MA's), (3, 7351), (Start: 4 @7354 has 3 MA's),

Gene: ChaylaJr_24 Start: 7224, Stop: 7571, Start Num: 1
Candidate Starts for ChaylaJr_24:
(Start: 1 @7224 has 145 MA's), (Start: 2 @7272 has 31 MA's), (3, 7284), (Start: 4 @7287 has 3 MA's),

Gene: ChickenPhender_24 Start: 7182, Stop: 7529, Start Num: 1
Candidate Starts for ChickenPhender_24:
(Start: 1 @7182 has 145 MA's), (Start: 2 @7230 has 31 MA's), (3, 7242), (Start: 4 @7245 has 3 MA's),

Gene: Chomp_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Chomp_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: CindyLou_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for CindyLou_24:

(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Cleatunium_21 Start: 7494, Stop: 7772, Start Num: 4
Candidate Starts for Cleatunium_21:
(Start: 1 @7431 has 145 MA's), (Start: 2 @7479 has 31 MA's), (3, 7491), (Start: 4 @7494 has 3 MA's),

Gene: Colt_18 Start: 6337, Stop: 6678, Start Num: 1
Candidate Starts for Colt_18:
(Start: 1 @6337 has 145 MA's), (Start: 2 @6385 has 31 MA's), (3, 6397), (Start: 4 @6400 has 3 MA's),

Gene: Concombre_24 Start: 8288, Stop: 8566, Start Num: 4
Candidate Starts for Concombre_24:
(Start: 1 @8225 has 145 MA's), (Start: 2 @8273 has 31 MA's), (3, 8285), (Start: 4 @8288 has 3 MA's),

Gene: DTDevon_25 Start: 8359, Stop: 8700, Start Num: 1
Candidate Starts for DTDevon_25:
(Start: 1 @8359 has 145 MA's), (Start: 2 @8407 has 31 MA's), (3, 8419), (Start: 4 @8422 has 3 MA's),

Gene: Daffodil_27 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Daffodil_27:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Dandelion_28 Start: 9102, Stop: 9395, Start Num: 2
Candidate Starts for Dandelion_28:
(Start: 2 @9102 has 31 MA's), (3, 9114), (Start: 4 @9117 has 3 MA's),

Gene: Darko_24 Start: 8131, Stop: 8472, Start Num: 1
Candidate Starts for Darko_24:
(Start: 1 @8131 has 145 MA's), (Start: 2 @8179 has 31 MA's), (3, 8191), (Start: 4 @8194 has 3 MA's),

Gene: DeejaClivia_21 Start: 6864, Stop: 7148, Start Num: 4
Candidate Starts for DeejaClivia_21:
(Start: 1 @6801 has 145 MA's), (Start: 2 @6849 has 31 MA's), (3, 6861), (Start: 4 @6864 has 3 MA's),

Gene: Delilah_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Delilah_25:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Delylah_26 Start: 8055, Stop: 8402, Start Num: 1
Candidate Starts for Delylah_26:
(Start: 1 @8055 has 145 MA's), (Start: 2 @8103 has 31 MA's), (3, 8115), (Start: 4 @8118 has 3 MA's),

Gene: Demodog_23 Start: 8288, Stop: 8566, Start Num: 4
Candidate Starts for Demodog_23:
(Start: 1 @8225 has 145 MA's), (Start: 2 @8273 has 31 MA's), (3, 8285), (Start: 4 @8288 has 3 MA's),

Gene: Derek_25 Start: 7152, Stop: 7493, Start Num: 1
Candidate Starts for Derek_25:
(Start: 1 @7152 has 145 MA's), (Start: 2 @7200 has 31 MA's), (3, 7212), (Start: 4 @7215 has 3 MA's),

Gene: Dessert_22 Start: 7258, Stop: 7536, Start Num: 4
Candidate Starts for Dessert_22:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Dietrick_20 Start: 6910, Stop: 7257, Start Num: 1
Candidate Starts for Dietrick_20:
(Start: 1 @6910 has 145 MA's), (Start: 2 @6958 has 31 MA's), (3, 6970), (Start: 4 @6973 has 3 MA's),

Gene: DirtMonster_23 Start: 8332, Stop: 8625, Start Num: 2
Candidate Starts for DirtMonster_23:
(Start: 1 @8284 has 145 MA's), (Start: 2 @8332 has 31 MA's), (3, 8344), (Start: 4 @8347 has 3 MA's),

Gene: Domi_19 Start: 7048, Stop: 7356, Start Num: 2
Candidate Starts for Domi_19:
(Start: 1 @7000 has 145 MA's), (Start: 2 @7048 has 31 MA's), (3, 7060), (Start: 4 @7063 has 3 MA's),

Gene: DrPhinkDaddy_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for DrPhinkDaddy_25:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Drazdys_25 Start: 8060, Stop: 8401, Start Num: 1
Candidate Starts for Drazdys_25:
(Start: 1 @8060 has 145 MA's), (Start: 2 @8108 has 31 MA's), (3, 8120), (Start: 4 @8123 has 3 MA's),

Gene: Duckfeet_22 Start: 7515, Stop: 7799, Start Num: 4
Candidate Starts for Duckfeet_22:
(Start: 1 @7452 has 145 MA's), (Start: 2 @7500 has 31 MA's), (3, 7512), (Start: 4 @7515 has 3 MA's),

Gene: ET08_20 Start: 7719, Stop: 8066, Start Num: 1
Candidate Starts for ET08_20:
(Start: 1 @7719 has 145 MA's), (Start: 2 @7767 has 31 MA's), (3, 7779), (Start: 4 @7782 has 3 MA's),

Gene: EasyJones_24 Start: 6941, Stop: 7240, Start Num: 2
Candidate Starts for EasyJones_24:
(Start: 1 @6893 has 145 MA's), (Start: 2 @6941 has 31 MA's), (3, 6953), (Start: 4 @6956 has 3 MA's),

Gene: EggyFarm_29 Start: 9318, Stop: 9596, Start Num: 4
Candidate Starts for EggyFarm_29:
(Start: 1 @9255 has 145 MA's), (Start: 2 @9303 has 31 MA's), (3, 9315), (Start: 4 @9318 has 3 MA's),

Gene: EmToTheThree_28 Start: 9683, Stop: 10030, Start Num: 1
Candidate Starts for EmToTheThree_28:
(Start: 1 @9683 has 145 MA's), (Start: 2 @9731 has 31 MA's), (3, 9743), (Start: 4 @9746 has 3 MA's),

Gene: EmmaElysia_23 Start: 6908, Stop: 7249, Start Num: 1
Candidate Starts for EmmaElysia_23:
(Start: 1 @6908 has 145 MA's), (Start: 2 @6956 has 31 MA's), (3, 6968), (Start: 4 @6971 has 3 MA's),

Gene: Erdmann_26 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Erdmann_26:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: ErnieJ_26 Start: 8083, Stop: 8430, Start Num: 1
Candidate Starts for ErnieJ_26:
(Start: 1 @8083 has 145 MA's), (Start: 2 @8131 has 31 MA's), (3, 8143), (Start: 4 @8146 has 3 MA's),

Gene: Essence_23 Start: 6917, Stop: 7258, Start Num: 1
Candidate Starts for Essence_23:
(Start: 1 @6917 has 145 MA's), (Start: 2 @6965 has 31 MA's), (3, 6977), (Start: 4 @6980 has 3 MA's),

Gene: Ewok_25 Start: 8319, Stop: 8618, Start Num: 2
Candidate Starts for Ewok_25:
(Start: 2 @8319 has 31 MA's), (3, 8331), (Start: 4 @8334 has 3 MA's),

Gene: Fixie_22 Start: 6956, Stop: 7240, Start Num: 4
Candidate Starts for Fixie_22:
(Start: 1 @6893 has 145 MA's), (Start: 2 @6941 has 31 MA's), (3, 6953), (Start: 4 @6956 has 3 MA's),

Gene: Flabslab_26 Start: 8238, Stop: 8552, Start Num: 2
Candidate Starts for Flabslab_26:
(Start: 2 @8238 has 31 MA's), (3, 8250), (Start: 4 @8253 has 3 MA's),

Gene: Fludd_24 Start: 7138, Stop: 7485, Start Num: 1
Candidate Starts for Fludd_24:
(Start: 1 @7138 has 145 MA's), (Start: 2 @7186 has 31 MA's), (3, 7198), (Start: 4 @7201 has 3 MA's),

Gene: Fongie_24 Start: 8332, Stop: 8616, Start Num: 4
Candidate Starts for Fongie_24:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: FoxtrotP1_25 Start: 8581, Stop: 8943, Start Num: 1
Candidate Starts for FoxtrotP1_25:
(Start: 1 @8581 has 145 MA's), (Start: 2 @8629 has 31 MA's), (3, 8641), (Start: 4 @8644 has 3 MA's),

Gene: FrayBell_31 Start: 9849, Stop: 10190, Start Num: 1
Candidate Starts for FrayBell_31:
(Start: 1 @9849 has 145 MA's), (Start: 2 @9897 has 31 MA's), (3, 9909), (Start: 4 @9912 has 3 MA's),

Gene: FudgeTart_26 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for FudgeTart_26:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Gabriel_25 Start: 7152, Stop: 7493, Start Num: 1
Candidate Starts for Gabriel_25:
(Start: 1 @7152 has 145 MA's), (Start: 2 @7200 has 31 MA's), (3, 7212), (Start: 4 @7215 has 3 MA's),

Gene: Gamgam_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Gamgam_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Ghost_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Ghost_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Gizmo_27 Start: 8319, Stop: 8618, Start Num: 2
Candidate Starts for Gizmo_27:
(Start: 2 @8319 has 31 MA's), (3, 8331), (Start: 4 @8334 has 3 MA's),

Gene: GlutenPhree_25 Start: 7195, Stop: 7536, Start Num: 1

Candidate Starts for GlutenPhree_25:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Grasshills_29 Start: 9318, Stop: 9596, Start Num: 4
Candidate Starts for Grasshills_29:
(Start: 1 @9255 has 145 MA's), (Start: 2 @9303 has 31 MA's), (3, 9315), (Start: 4 @9318 has 3 MA's),

Gene: Grungle_18 Start: 5890, Stop: 6189, Start Num: 2
Candidate Starts for Grungle_18:
(Start: 2 @5890 has 31 MA's), (3, 5902), (Start: 4 @5905 has 3 MA's),

Gene: Guwapp_24 Start: 7152, Stop: 7493, Start Num: 1
Candidate Starts for Guwapp_24:
(Start: 1 @7152 has 145 MA's), (Start: 2 @7200 has 31 MA's), (3, 7212), (Start: 4 @7215 has 3 MA's),

Gene: Halldule_21 Start: 6575, Stop: 6859, Start Num: 4
Candidate Starts for Halldule_21:
(Start: 2 @6560 has 31 MA's), (3, 6572), (Start: 4 @6575 has 3 MA's),

Gene: HyRo_23 Start: 7924, Stop: 8271, Start Num: 1
Candidate Starts for HyRo_23:
(Start: 1 @7924 has 145 MA's), (Start: 2 @7972 has 31 MA's), (3, 7984), (Start: 4 @7987 has 3 MA's),

Gene: I3_27 Start: 8893, Stop: 9186, Start Num: 2
Candidate Starts for I3_27:
(Start: 1 @8845 has 145 MA's), (Start: 2 @8893 has 31 MA's), (3, 8905), (Start: 4 @8908 has 3 MA's),

Gene: IkeLoa_20 Start: 7011, Stop: 7382, Start Num: 1
Candidate Starts for IkeLoa_20:
(Start: 1 @7011 has 145 MA's), (Start: 2 @7059 has 31 MA's), (3, 7071), (Start: 4 @7074 has 3 MA's),

Gene: InigoMontoya_25 Start: 7156, Stop: 7497, Start Num: 1
Candidate Starts for InigoMontoya_25:
(Start: 1 @7156 has 145 MA's), (Start: 2 @7204 has 31 MA's), (3, 7216), (Start: 4 @7219 has 3 MA's),

Gene: InterFolia_31 Start: 9846, Stop: 10187, Start Num: 1
Candidate Starts for InterFolia_31:
(Start: 1 @9846 has 145 MA's), (Start: 2 @9894 has 31 MA's), (3, 9906), (Start: 4 @9909 has 3 MA's),

Gene: Iota_22 Start: 7810, Stop: 8151, Start Num: 1
Candidate Starts for Iota_22:
(Start: 1 @7810 has 145 MA's), (Start: 2 @7858 has 31 MA's), (3, 7870), (Start: 4 @7873 has 3 MA's),

Gene: Issimir_25 Start: 8311, Stop: 8610, Start Num: 2
Candidate Starts for Issimir_25:
(Start: 1 @8263 has 145 MA's), (Start: 2 @8311 has 31 MA's), (3, 8323), (Start: 4 @8326 has 3 MA's),

Gene: Izajani_26 Start: 8317, Stop: 8616, Start Num: 2
Candidate Starts for Izajani_26:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: JPickles_23 Start: 6912, Stop: 7259, Start Num: 1
Candidate Starts for JPickles_23:

(Start: 1 @6912 has 145 MA's), (Start: 2 @6960 has 31 MA's), (3, 6972), (Start: 4 @6975 has 3 MA's),

Gene: Janiyra_24 Start: 7174, Stop: 7515, Start Num: 1
Candidate Starts for Janiyra_24:
(Start: 1 @7174 has 145 MA's), (Start: 2 @7222 has 31 MA's), (3, 7234), (Start: 4 @7237 has 3 MA's),

Gene: JayJay_28 Start: 8309, Stop: 8587, Start Num: 4
Candidate Starts for JayJay_28:
(Start: 1 @8246 has 145 MA's), (Start: 2 @8294 has 31 MA's), (3, 8306), (Start: 4 @8309 has 3 MA's),

Gene: Jaygup_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Jaygup_24:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Jedediah_25 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Jedediah_25:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Jemmno_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Jemmno_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Jessibeth14_24 Start: 7995, Stop: 8342, Start Num: 1
Candidate Starts for Jessibeth14_24:
(Start: 1 @7995 has 145 MA's), (Start: 2 @8043 has 31 MA's), (3, 8055), (Start: 4 @8058 has 3 MA's),

Gene: Jezreel_23 Start: 7212, Stop: 7553, Start Num: 1
Candidate Starts for Jezreel_23:
(Start: 1 @7212 has 145 MA's), (Start: 2 @7260 has 31 MA's), (3, 7272), (Start: 4 @7275 has 3 MA's),

Gene: JigglyPuff_25 Start: 8337, Stop: 8615, Start Num: 4
Candidate Starts for JigglyPuff_25:
(Start: 1 @8274 has 145 MA's), (Start: 2 @8322 has 31 MA's), (3, 8334), (Start: 4 @8337 has 3 MA's),

Gene: JulietS_20 Start: 6185, Stop: 6484, Start Num: 2
Candidate Starts for JulietS_20:
(Start: 1 @6137 has 145 MA's), (Start: 2 @6185 has 31 MA's), (3, 6197), (Start: 4 @6200 has 3 MA's),

Gene: JustHall_24 Start: 8157, Stop: 8519, Start Num: 1
Candidate Starts for JustHall_24:
(Start: 1 @8157 has 145 MA's), (Start: 2 @8205 has 31 MA's), (3, 8217), (Start: 4 @8220 has 3 MA's),

Gene: Kamryn_24 Start: 7519, Stop: 7860, Start Num: 1
Candidate Starts for Kamryn_24:
(Start: 1 @7519 has 145 MA's), (Start: 2 @7567 has 31 MA's), (3, 7579), (Start: 4 @7582 has 3 MA's),

Gene: Kboogie_25 Start: 7193, Stop: 7540, Start Num: 1
Candidate Starts for Kboogie_25:
(Start: 1 @7193 has 145 MA's), (Start: 2 @7241 has 31 MA's), (3, 7253), (Start: 4 @7256 has 3 MA's),

Gene: Khaleesi_24 Start: 8022, Stop: 8369, Start Num: 1
Candidate Starts for Khaleesi_24:
(Start: 1 @8022 has 145 MA's), (Start: 2 @8070 has 31 MA's), (3, 8082), (Start: 4 @8085 has 3 MA's),

Gene: Koguma_21 Start: 6480, Stop: 6827, Start Num: 1
Candidate Starts for Koguma_21:
(Start: 1 @6480 has 145 MA's), (Start: 2 @6528 has 31 MA's), (3, 6540), (Start: 4 @6543 has 3 MA's),

Gene: LRRHood_22 Start: 8459, Stop: 8758, Start Num: 2
Candidate Starts for LRRHood_22:
(Start: 2 @8459 has 31 MA's), (3, 8471), (Start: 4 @8474 has 3 MA's),

Gene: Labradorite_22 Start: 7239, Stop: 7532, Start Num: 2
Candidate Starts for Labradorite_22:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Latch_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Latch_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Lee7_24 Start: 8332, Stop: 8616, Start Num: 4
Candidate Starts for Lee7_24:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Lethe_24 Start: 8010, Stop: 8309, Start Num: 2
Candidate Starts for Lethe_24:
(Start: 1 @7962 has 145 MA's), (Start: 2 @8010 has 31 MA's), (3, 8022), (Start: 4 @8025 has 3 MA's),

Gene: LifeSavor_25 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for LifeSavor_25:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: LinStu_25 Start: 8613, Stop: 8960, Start Num: 1
Candidate Starts for LinStu_25:
(Start: 1 @8613 has 145 MA's), (Start: 2 @8661 has 31 MA's), (3, 8673), (Start: 4 @8676 has 3 MA's),

Gene: Littleton_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Littleton_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Loanshark_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Loanshark_25:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: LolaVinca_27 Start: 9000, Stop: 9293, Start Num: 2
Candidate Starts for LolaVinca_27:
(Start: 1 @8952 has 145 MA's), (Start: 2 @9000 has 31 MA's), (3, 9012), (Start: 4 @9015 has 3 MA's),

Gene: LookingGlass_27 Start: 8577, Stop: 8855, Start Num: 4
Candidate Starts for LookingGlass_27:
(Start: 1 @8514 has 145 MA's), (Start: 2 @8562 has 31 MA's), (3, 8574), (Start: 4 @8577 has 3 MA's),

Gene: LordLeafolot_31 Start: 9848, Stop: 10189, Start Num: 1
Candidate Starts for LordLeafolot_31:
(Start: 1 @9848 has 145 MA's), (Start: 2 @9896 has 31 MA's), (3, 9908), (Start: 4 @9911 has 3 MA's),

Gene: Lukilu_18 Start: 6910, Stop: 7209, Start Num: 2
Candidate Starts for Lukilu_18:
(Start: 2 @6910 has 31 MA's), (3, 6922), (Start: 4 @6925 has 3 MA's),

Gene: Lunareta_24 Start: 8026, Stop: 8349, Start Num: 2
Candidate Starts for Lunareta_24:
(Start: 1 @7978 has 145 MA's), (Start: 2 @8026 has 31 MA's), (3, 8038), (Start: 4 @8041 has 3 MA's),

Gene: Maby2021_26 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Maby2021_26:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Mangeria_28 Start: 8804, Stop: 9145, Start Num: 1
Candidate Starts for Mangeria_28:
(Start: 1 @8804 has 145 MA's), (Start: 2 @8852 has 31 MA's), (3, 8864), (Start: 4 @8867 has 3 MA's),

Gene: Matsumoto_23 Start: 7156, Stop: 7497, Start Num: 1
Candidate Starts for Matsumoto_23:
(Start: 1 @7156 has 145 MA's), (Start: 2 @7204 has 31 MA's), (3, 7216), (Start: 4 @7219 has 3 MA's),

Gene: Maturis_25 Start: 8104, Stop: 8388, Start Num: 4
Candidate Starts for Maturis_25:
(Start: 1 @8041 has 145 MA's), (Start: 2 @8089 has 31 MA's), (3, 8101), (Start: 4 @8104 has 3 MA's),

Gene: McGee_24 Start: 6910, Stop: 7257, Start Num: 1
Candidate Starts for McGee_24:
(Start: 1 @6910 has 145 MA's), (Start: 2 @6958 has 31 MA's), (3, 6970), (Start: 4 @6973 has 3 MA's),

Gene: McWolfish_24 Start: 8022, Stop: 8369, Start Num: 1
Candidate Starts for McWolfish_24:
(Start: 1 @8022 has 145 MA's), (Start: 2 @8070 has 31 MA's), (3, 8082), (Start: 4 @8085 has 3 MA's),

Gene: Megamind_25 Start: 8269, Stop: 8610, Start Num: 1
Candidate Starts for Megamind_25:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Melpomini_24 Start: 7135, Stop: 7476, Start Num: 1
Candidate Starts for Melpomini_24:
(Start: 1 @7135 has 145 MA's), (Start: 2 @7183 has 31 MA's), (3, 7195), (Start: 4 @7198 has 3 MA's),

Gene: MikeLiesIn_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for MikeLiesIn_25:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Mikro_22 Start: 8211, Stop: 8567, Start Num: 1
Candidate Starts for Mikro_22:
(Start: 1 @8211 has 145 MA's), (Start: 2 @8259 has 31 MA's), (3, 8271), (Start: 4 @8274 has 3 MA's),

Gene: MoMoMixon_26 Start: 8592, Stop: 8933, Start Num: 1
Candidate Starts for MoMoMixon_26:
(Start: 1 @8592 has 145 MA's), (Start: 2 @8640 has 31 MA's), (3, 8652), (Start: 4 @8655 has 3 MA's),

Gene: Moby_19 Start: 5333, Stop: 5617, Start Num: 4

Candidate Starts for Moby_19:
(Start: 1 @5270 has 145 MA's), (Start: 2 @5318 has 31 MA's), (3, 5330), (Start: 4 @5333 has 3 MA's),

Gene: Moiqah_19 Start: 5333, Stop: 5617, Start Num: 4
Candidate Starts for Moiqah_19:
(Start: 1 @5270 has 145 MA's), (Start: 2 @5318 has 31 MA's), (3, 5330), (Start: 4 @5333 has 3 MA's),

Gene: Momo_23 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Momo_23:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Montpel_24 Start: 8026, Stop: 8349, Start Num: 2
Candidate Starts for Montpel_24:
(Start: 1 @7978 has 145 MA's), (Start: 2 @8026 has 31 MA's), (3, 8038), (Start: 4 @8041 has 3 MA's),

Gene: Morizzled23_24 Start: 7135, Stop: 7476, Start Num: 1
Candidate Starts for Morizzled23_24:
(Start: 1 @7135 has 145 MA's), (Start: 2 @7183 has 31 MA's), (3, 7195), (Start: 4 @7198 has 3 MA's),

Gene: Naija_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Naija_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Napoleon13_24 Start: 7154, Stop: 7495, Start Num: 1
Candidate Starts for Napoleon13_24:
(Start: 1 @7154 has 145 MA's), (Start: 2 @7202 has 31 MA's), (3, 7214), (Start: 4 @7217 has 3 MA's),

Gene: Nappy_26 Start: 8442, Stop: 8783, Start Num: 1
Candidate Starts for Nappy_26:
(Start: 1 @8442 has 145 MA's), (Start: 2 @8490 has 31 MA's), (3, 8502), (Start: 4 @8505 has 3 MA's),

Gene: Naval22_27 Start: 8381, Stop: 8659, Start Num: 4
Candidate Starts for Naval22_27:
(Start: 1 @8318 has 145 MA's), (Start: 2 @8366 has 31 MA's), (3, 8378), (Start: 4 @8381 has 3 MA's),

Gene: NedWong_26 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for NedWong_26:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Ngannou_23 Start: 6891, Stop: 7238, Start Num: 1
Candidate Starts for Ngannou_23:
(Start: 1 @6891 has 145 MA's), (Start: 2 @6939 has 31 MA's), (3, 6951), (Start: 4 @6954 has 3 MA's),

Gene: Nidhogg_26 Start: 8345, Stop: 8686, Start Num: 1
Candidate Starts for Nidhogg_26:
(Start: 1 @8345 has 145 MA's), (Start: 2 @8393 has 31 MA's), (3, 8405), (Start: 4 @8408 has 3 MA's),

Gene: NoodleTree_23 Start: 7212, Stop: 7568, Start Num: 1
Candidate Starts for NoodleTree_23:
(Start: 1 @7212 has 145 MA's), (Start: 2 @7260 has 31 MA's), (3, 7272), (Start: 4 @7275 has 3 MA's),

Gene: Norm_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Norm_25:

(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: NuevoMundo_28 Start: 9320, Stop: 9676, Start Num: 1
Candidate Starts for NuevoMundo_28:
(Start: 1 @9320 has 145 MA's), (Start: 2 @9368 has 31 MA's), (3, 9380), (Start: 4 @9383 has 3 MA's),

Gene: OrediggerDelux_24 Start: 8332, Stop: 8616, Start Num: 4
Candidate Starts for OrediggerDelux_24:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: ParkTD_24 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for ParkTD_24:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Patter_24 Start: 7212, Stop: 7553, Start Num: 1
Candidate Starts for Patter_24:
(Start: 1 @7212 has 145 MA's), (Start: 2 @7260 has 31 MA's), (3, 7272), (Start: 4 @7275 has 3 MA's),

Gene: PharkleMinkus_30 Start: 9912, Stop: 10190, Start Num: 4
Candidate Starts for PharkleMinkus_30:
(Start: 1 @9849 has 145 MA's), (Start: 2 @9897 has 31 MA's), (3, 9909), (Start: 4 @9912 has 3 MA's),

Gene: Phlegm_26 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Phlegm_26:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Phox_24 Start: 8475, Stop: 8774, Start Num: 2
Candidate Starts for Phox_24:
(Start: 1 @8427 has 145 MA's), (Start: 2 @8475 has 31 MA's), (3, 8487), (Start: 4 @8490 has 3 MA's),

Gene: Phusco_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Phusco_24:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Pier_26 Start: 7883, Stop: 8239, Start Num: 1
Candidate Starts for Pier_26:
(Start: 1 @7883 has 145 MA's), (Start: 2 @7931 has 31 MA's), (3, 7943), (Start: 4 @7946 has 3 MA's),

Gene: Pinkcreek_17 Start: 6160, Stop: 6459, Start Num: 2
Candidate Starts for Pinkcreek_17:
(Start: 1 @6112 has 145 MA's), (Start: 2 @6160 has 31 MA's), (3, 6172), (Start: 4 @6175 has 3 MA's),

Gene: Pio_28 Start: 9127, Stop: 9468, Start Num: 1
Candidate Starts for Pio_28:
(Start: 1 @9127 has 145 MA's), (Start: 2 @9175 has 31 MA's), (3, 9187), (Start: 4 @9190 has 3 MA's),

Gene: Pivoine_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for Pivoine_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Pleione_27 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Pleione_27:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Primadonna_20 Start: 7425, Stop: 7709, Start Num: 4
Candidate Starts for Primadonna_20:
(Start: 1 @7362 has 145 MA's), (Start: 2 @7410 has 31 MA's), (3, 7422), (Start: 4 @7425 has 3 MA's),

Gene: Pupusa_30 Start: 9911, Stop: 10189, Start Num: 4
Candidate Starts for Pupusa_30:
(Start: 1 @9848 has 145 MA's), (Start: 2 @9896 has 31 MA's), (3, 9908), (Start: 4 @9911 has 3 MA's),

Gene: PurduePete_24 Start: 8058, Stop: 8336, Start Num: 4
Candidate Starts for PurduePete_24:
(Start: 1 @7995 has 145 MA's), (Start: 2 @8043 has 31 MA's), (3, 8055), (Start: 4 @8058 has 3 MA's),

Gene: QBert_23 Start: 8427, Stop: 8774, Start Num: 1
Candidate Starts for QBert_23:
(Start: 1 @8427 has 145 MA's), (Start: 2 @8475 has 31 MA's), (3, 8487), (Start: 4 @8490 has 3 MA's),

Gene: Quasimodo_24 Start: 8155, Stop: 8496, Start Num: 1
Candidate Starts for Quasimodo_24:
(Start: 1 @8155 has 145 MA's), (Start: 2 @8203 has 31 MA's), (3, 8215), (Start: 4 @8218 has 3 MA's),

Gene: Rabinovish_24 Start: 8715, Stop: 9062, Start Num: 1
Candidate Starts for Rabinovish_24:
(Start: 1 @8715 has 145 MA's), (Start: 2 @8763 has 31 MA's), (3, 8775), (Start: 4 @8778 has 3 MA's),

Gene: Rahel_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Rahel_24:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Rizal_23 Start: 7240, Stop: 7533, Start Num: 2
Candidate Starts for Rizal_23:
(Start: 2 @7240 has 31 MA's), (3, 7252), (Start: 4 @7255 has 3 MA's),

Gene: RoMag_19 Start: 6962, Stop: 7333, Start Num: 1
Candidate Starts for RoMag_19:
(Start: 1 @6962 has 145 MA's), (Start: 2 @7010 has 31 MA's), (3, 7022), (Start: 4 @7025 has 3 MA's),

Gene: Rocha_23 Start: 7274, Stop: 7567, Start Num: 4
Candidate Starts for Rocha_23:
(Start: 1 @7211 has 145 MA's), (Start: 2 @7259 has 31 MA's), (3, 7271), (Start: 4 @7274 has 3 MA's),

Gene: Ronan_20 Start: 5886, Stop: 6179, Start Num: 2
Candidate Starts for Ronan_20:
(Start: 1 @5838 has 145 MA's), (Start: 2 @5886 has 31 MA's), (3, 5898), (Start: 4 @5901 has 3 MA's),

Gene: Roots515_25 Start: 8268, Stop: 8615, Start Num: 1
Candidate Starts for Roots515_25:
(Start: 1 @8268 has 145 MA's), (Start: 2 @8316 has 31 MA's), (3, 8328), (Start: 4 @8331 has 3 MA's),

Gene: SVoro_24 Start: 8263, Stop: 8610, Start Num: 1
Candidate Starts for SVoro_24:
(Start: 1 @8263 has 145 MA's), (Start: 2 @8311 has 31 MA's), (3, 8323), (Start: 4 @8326 has 3 MA's),

Gene: Salacia_27 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Salacia_27:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Sauce_26 Start: 8390, Stop: 8737, Start Num: 1
Candidate Starts for Sauce_26:
(Start: 1 @8390 has 145 MA's), (Start: 2 @8438 has 31 MA's), (3, 8450), (Start: 4 @8453 has 3 MA's),

Gene: ScottMcG_25 Start: 8578, Stop: 8925, Start Num: 1
Candidate Starts for ScottMcG_25:
(Start: 1 @8578 has 145 MA's), (Start: 2 @8626 has 31 MA's), (3, 8638), (Start: 4 @8641 has 3 MA's),

Gene: Sebata_25 Start: 8661, Stop: 8960, Start Num: 2
Candidate Starts for Sebata_25:
(Start: 1 @8613 has 145 MA's), (Start: 2 @8661 has 31 MA's), (3, 8673), (Start: 4 @8676 has 3 MA's),

Gene: Shaqnato_21 Start: 6893, Stop: 7192, Start Num: 2
Candidate Starts for Shaqnato_21:
(Start: 2 @6893 has 31 MA's), (3, 6905), (Start: 4 @6908 has 3 MA's),

Gene: Shelob_27 Start: 9157, Stop: 9504, Start Num: 1
Candidate Starts for Shelob_27:
(Start: 1 @9157 has 145 MA's), (Start: 2 @9205 has 31 MA's), (3, 9217), (Start: 4 @9220 has 3 MA's),

Gene: ShiaLabeouf_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for ShiaLabeouf_24:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Shifa_21 Start: 7355, Stop: 7717, Start Num: 1
Candidate Starts for Shifa_21:
(Start: 1 @7355 has 145 MA's), (Start: 2 @7403 has 31 MA's), (3, 7415), (Start: 4 @7418 has 3 MA's),

Gene: Shnickers_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Shnickers_24:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Shrimp_25 Start: 8273, Stop: 8620, Start Num: 1
Candidate Starts for Shrimp_25:
(Start: 1 @8273 has 145 MA's), (Start: 2 @8321 has 31 MA's), (3, 8333), (Start: 4 @8336 has 3 MA's),

Gene: SilverDipper_25 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for SilverDipper_25:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: SmallFry_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for SmallFry_24:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Spec_22 Start: 7254, Stop: 7538, Start Num: 4
Candidate Starts for Spec_22:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Specks_29 Start: 9029, Stop: 9370, Start Num: 1

Candidate Starts for Specks_29:
(Start: 1 @9029 has 145 MA's), (Start: 2 @9077 has 31 MA's), (3, 9089), (Start: 4 @9092 has 3 MA's),

Gene: Sprinklers_25 Start: 7800, Stop: 8099, Start Num: 2
Candidate Starts for Sprinklers_25:
(Start: 1 @7752 has 145 MA's), (Start: 2 @7800 has 31 MA's), (3, 7812), (Start: 4 @7815 has 3 MA's),

Gene: Spud_27 Start: 9127, Stop: 9468, Start Num: 1
Candidate Starts for Spud_27:
(Start: 1 @9127 has 145 MA's), (Start: 2 @9175 has 31 MA's), (3, 9187), (Start: 4 @9190 has 3 MA's),

Gene: SrishMeg2525_24 Start: 7995, Stop: 8336, Start Num: 1
Candidate Starts for SrishMeg2525_24:
(Start: 1 @7995 has 145 MA's), (Start: 2 @8043 has 31 MA's), (3, 8055), (Start: 4 @8058 has 3 MA's),

Gene: StephanieG_24 Start: 7956, Stop: 8264, Start Num: 2
Candidate Starts for StephanieG_24:
(Start: 1 @7908 has 145 MA's), (Start: 2 @7956 has 31 MA's), (3, 7968), (Start: 4 @7971 has 3 MA's),

Gene: Stubby_23 Start: 7535, Stop: 7882, Start Num: 1
Candidate Starts for Stubby_23:
(Start: 1 @7535 has 145 MA's), (Start: 2 @7583 has 31 MA's), (3, 7595), (Start: 4 @7598 has 3 MA's),

Gene: StubbySaigey_24 Start: 6912, Stop: 7259, Start Num: 1
Candidate Starts for StubbySaigey_24:
(Start: 1 @6912 has 145 MA's), (Start: 2 @6960 has 31 MA's), (3, 6972), (Start: 4 @6975 has 3 MA's),

Gene: Substance289_22 Start: 7254, Stop: 7538, Start Num: 4
Candidate Starts for Substance289_22:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Tainan_30 Start: 9911, Stop: 10189, Start Num: 4
Candidate Starts for Tainan_30:
(Start: 1 @9848 has 145 MA's), (Start: 2 @9896 has 31 MA's), (3, 9908), (Start: 4 @9911 has 3 MA's),

Gene: Teardrop_24 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Teardrop_24:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: TinyTim_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for TinyTim_25:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Tortoise16_23 Start: 7191, Stop: 7532, Start Num: 1
Candidate Starts for Tortoise16_23:
(Start: 1 @7191 has 145 MA's), (Start: 2 @7239 has 31 MA's), (3, 7251), (Start: 4 @7254 has 3 MA's),

Gene: Trinitium_24 Start: 7152, Stop: 7499, Start Num: 1
Candidate Starts for Trinitium_24:
(Start: 1 @7152 has 145 MA's), (Start: 2 @7200 has 31 MA's), (3, 7212), (Start: 4 @7215 has 3 MA's),

Gene: Turret_23 Start: 6939, Stop: 7238, Start Num: 2
Candidate Starts for Turret_23:

(Start: 1 @6891 has 145 MA's), (Start: 2 @6939 has 31 MA's), (3, 6951), (Start: 4 @6954 has 3 MA's),

Gene: Tyke_26 Start: 8603, Stop: 8944, Start Num: 1
Candidate Starts for Tyke_26:
(Start: 1 @8603 has 145 MA's), (Start: 2 @8651 has 31 MA's), (3, 8663), (Start: 4 @8666 has 3 MA's),

Gene: ValleyTerrace_24 Start: 7195, Stop: 7536, Start Num: 1
Candidate Starts for ValleyTerrace_24:
(Start: 1 @7195 has 145 MA's), (Start: 2 @7243 has 31 MA's), (3, 7255), (Start: 4 @7258 has 3 MA's),

Gene: Wally_24 Start: 7156, Stop: 7497, Start Num: 1
Candidate Starts for Wally_24:
(Start: 1 @7156 has 145 MA's), (Start: 2 @7204 has 31 MA's), (3, 7216), (Start: 4 @7219 has 3 MA's),

Gene: Willis_25 Start: 8164, Stop: 8511, Start Num: 1
Candidate Starts for Willis_25:
(Start: 1 @8164 has 145 MA's), (Start: 2 @8212 has 31 MA's), (3, 8224), (Start: 4 @8227 has 3 MA's),

Gene: Yassified_22 Start: 6915, Stop: 7262, Start Num: 1
Candidate Starts for Yassified_22:
(Start: 1 @6915 has 145 MA's), (Start: 2 @6963 has 31 MA's), (3, 6975), (Start: 4 @6978 has 3 MA's),

Gene: YemiJoy2021_26 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for YemiJoy2021_26:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: YoungMoneyMata_24 Start: 6925, Stop: 7287, Start Num: 1
Candidate Starts for YoungMoneyMata_24:
(Start: 1 @6925 has 145 MA's), (Start: 2 @6973 has 31 MA's), (3, 6985), (Start: 4 @6988 has 3 MA's),

Gene: Yucca_25 Start: 8191, Stop: 8538, Start Num: 1
Candidate Starts for Yucca_25:
(Start: 1 @8191 has 145 MA's), (Start: 2 @8239 has 31 MA's), (3, 8251), (Start: 4 @8254 has 3 MA's),

Gene: Zalkecks_27 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for Zalkecks_27:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),

Gene: Zeenon_27 Start: 8318, Stop: 8611, Start Num: 2
Candidate Starts for Zeenon_27:
(Start: 1 @8270 has 145 MA's), (Start: 2 @8318 has 31 MA's), (3, 8330), (Start: 4 @8333 has 3 MA's),

Gene: ZygoTaiga_25 Start: 8269, Stop: 8616, Start Num: 1
Candidate Starts for ZygoTaiga_25:
(Start: 1 @8269 has 145 MA's), (Start: 2 @8317 has 31 MA's), (3, 8329), (Start: 4 @8332 has 3 MA's),