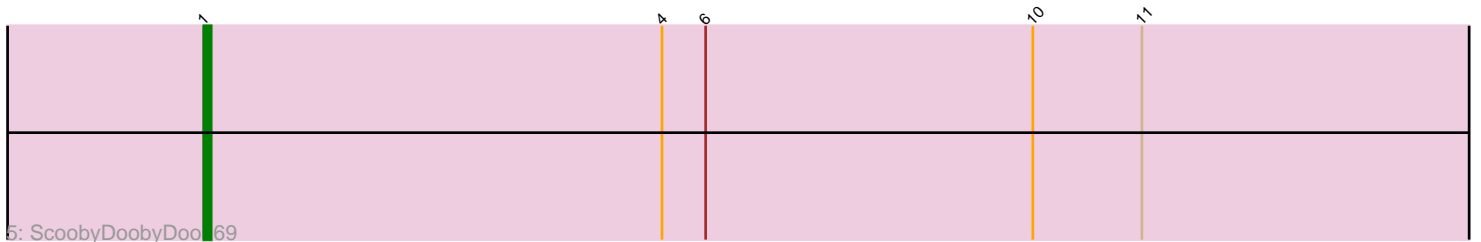
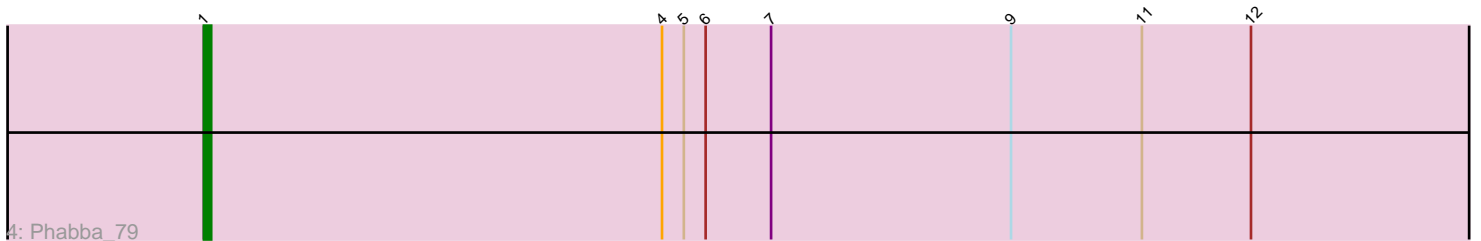
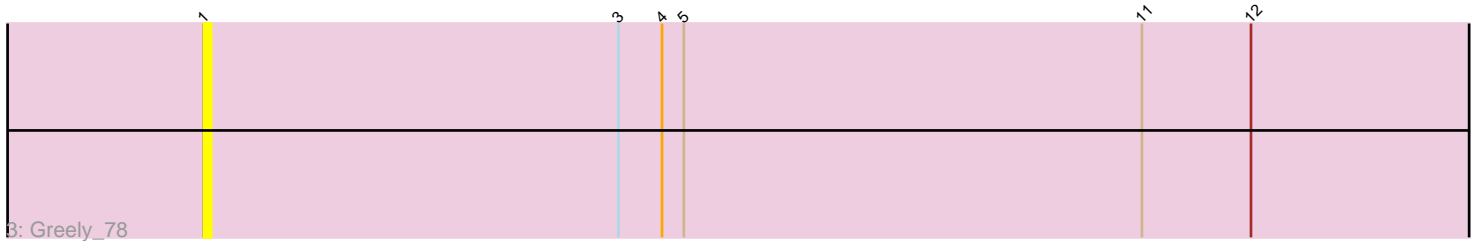
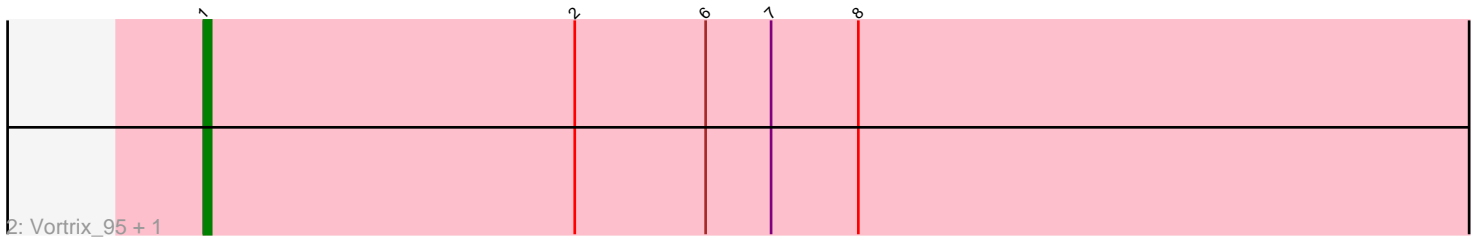
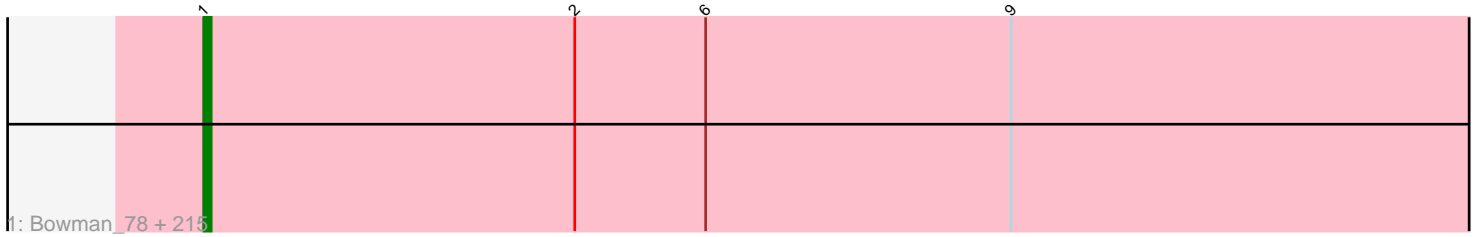


Pham 308060



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 308060 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308060 has 222 members, 38 are drafts.

Phages represented in each track:

- Track 1 : Bowman_78, Spec_75, Lunareta_77, LinStu_79, ErnieJ_76, Jessibeth14_79, NuevoMundo_86, Bxz1_80, PharkleMinkus_84, Moby_70, JulietS_73, Shrimp_80, Ading_80, YoungMoneyMata_80, PurduePete_80, Maturis_76, ScottMcG_76, DirtMonster_73, Fongie_78, Moiqah_70, Bangla1971_81, Fludd_80, Iota_74, Atlantean_79, Chomp_79, Duckfeet_71, Concombre_87, Ronan_73, Yassified_76, EmmaElysia_79, Amataga_80, Labradorite_80, Bigswole_85, Nidhogg_80, Bipolarisk_79, Fixie_75, Cali_75, EasyJones_82, CindyLou_81, Tyke_82, ParkTD_81, DTDevon_81, Ewok_81, Flabslab_75, Dessert_77, Guwapp_79, Loanshark_80, Melpomini_74, Blackbrain_75, TinyTim_80, BadAgartude_77, Jemmno_80, Pier_84, Issimir_79, Zalkecks_81, Naval22_88, DrPhinkDaddy_79, Shifa_69, Roots515_79, Tainan_84, Nappy_81, Kamryn_80, ValleyTerrace_80, EmToTheThree_83, Adlitam_80, Pupusa_84, Audrick_82, BackyardAgain_77, Colt_70, Wally_78, Rocha_78, JPickles_78, DeejaClivia_69, Pleione_82, Grasshills_87, Gizmo_84, Cactojaque_75, Pinkcreek_70, RoMag_75, Naija_79, Blackdragon_74, Domi_74, Belieber_74, Willis_81, NedWong_81, ZygoTaiga_79, Primadonna_74, Lethe_79, Ngannou_76, Megamind_79, ArcherS7_80, InigoMontoya_81, Izajani_80, Ghost_79, BananaFence_79, Essence_77, BeanWater_72, IkeLoa_74, SoilZilla_75, Babyland_79, Kboogie_83, ChaylaJr_75, Asterius_83, FoxtrotP1_80, Chargie21_76, HyRo_73, QBert_74, Yucca_79, Ablatia_78, JayJay_86, LRRHood_74, Morizzled23_80, McWolfish_78, Norm_81, JigglyPuff_85, SVoro_78, Basquiat_76, Janiyra_82, Alice_72, Quasimodo_80, Shaqnato_72, ChickenPhender_76, Koguma_76, Lukilu_70, Jaygup_80, Rahel_79, Caravan_76, Grungle_68, Phusco_80, Delylah_83, Mikro_78, Bezza_69, Napoleon13_76, StephanieG_80, Astraea_78, Bonray_80, LifeSavor_79, Catera_78, Matsumoto_79, Latch_80, Montpel_77, Capablanca_82, Darko_80, NoodleTree_83, Cleatunium_75, Gamgam_80, Lee7_78, OrediggerDelux_78, Maby2021_80, Sauce_80, Dietrick_73, YemiJoy2021_81, Tortoise16_78, ET08_69, Demodog_87, Erdmann_80, JustHall_76, Shelob_82, SmallFry_80, Specks_86, Mangeria_80, InterFolia_89, Rabinovish_77, Patter_80, Blubba_70, Turret_75, Sprinklers_75, Dandelion_86, Zeenon_81, Drazdys_80, Bread_80, LookingGlass_80, Littleton_80, LordLeafolot_86, Rizal_77, Momo_79, FudgeTart_80, Substance289_76, Stubby_73, Ava3_81, CharlieB_76, Burrough_80, Breeniome_80, Derek_80, GlutenPhree_81, Salacia_84, Jedediah_83, Halldule_72, Phox_76, MikeLiesIn_80, EggyFarm_87, SrishMeg2525_79, BobaPhatt_74, Pivoine_79, Cane17_68, SilverDipper_81, BigCity_87, ShiaLabeouf_80, I3_85, FrayBell_86, Khaleesi_79, Daffodil_84, StubbySaigey_81, Phlegm_82, Sebata_80, Spud_79, LolaVinca_82, Shnickers_80, Gabriel_82, MoMoMixon_80, Delilah_80, Jezreel_80,

McGee_81, Pio_83, Teardrop_80, Trinitium_76

- Track 2 : Vortrix_95, Tonenili_94
- Track 3 : Greely_78
- Track 4 : Phabba_79
- Track 5 : ScoobyDoobyDoo_69
- Track 6 : Myrna_74

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 184 of the 184 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ablatia_78, Ading_80, Adlitam_80, Alice_72, Amataga_80, ArcherS7_80, Asterius_83, Astraea_78, Atlantean_79, Audrick_82, Ava3_81, Babyland_79, BackyardAgain_77, BadAgartude_77, BananaFence_79, Bangla1971_81, Basquiat_76, BeanWater_72, Belieber_74, Bezza_69, BigCity_87, Bigswole_85, Bipolarisk_79, Blackbrain_75, Blackdragon_74, Blubba_70, BobaPhatt_74, Bonray_80, Bowman_78, Bread_80, Breeniome_80, Burrough_80, Bxz1_80, Cactojaque_75, Cali_75, Cane17_68, Capablanca_82, Caravan_76, Catera_78, Chargie21_76, CharlieB_76, ChaylaJr_75, ChickenPhender_76, Chomp_79, CindyLou_81, Cleatunium_75, Colt_70, Concombre_87, DTDevon_81, Daffodil_84, Dandelion_86, Darko_80, DeejaClivia_69, Delilah_80, Delylah_83, Demodog_87, Derek_80, Dessert_77, Dietrick_73, DirtMonster_73, Domi_74, DrPhinkDaddy_79, Drazdys_80, Duckfeet_71, ET08_69, EasyJones_82, EggyFarm_87, EmToTheThree_83, EmmaElysia_79, Erdmann_80, ErnieJ_76, Essence_77, Ewok_81, Fixie_75, Flabslab_75, Fludd_80, Fongie_78, FoxtrotP1_80, FrayBell_86, FudgeTart_80, Gabriel_82, Gamgam_80, Ghost_79, Gizmo_84, GlutenPhree_81, Grasshills_87, Greely_78, Grungle_68, Guwapp_79, Halldule_72, HyRo_73, I3_85, IkeLoa_74, InigoMontoya_81, InterFolia_89, Iota_74, Issimir_79, Izajani_80, JPickles_78, Janiyra_82, JayJay_86, Jaygup_80, Jedediah_83, Jemmno_80, Jessibeth14_79, Jezreel_80, JigglyPuff_85, JulietS_73, JustHall_76, Kamryn_80, Kboogie_83, Khaleesi_79, Koguma_76, LRRHood_74, Labradorite_80, Latch_80, Lee7_78, Lethe_79, LifeSavor_79, LinStu_79, Littleton_80, Loanshark_80, LolaVinca_82, LookingGlass_80, LordLeafolot_86, Lukilu_70, Lunareta_77, Maby2021_80, Mangeria_80, Matsumoto_79, Maturis_76, McGee_81, McWolfish_78, Megamind_79, Melpomini_74, MikeLiesIn_80, Mikro_78, MoMoMixon_80, Moby_70, Moiqah_70, Momo_79, Montpel_77, Morizzled23_80, Myrna_74, Naija_79, Napoleon13_76, Nappy_81, Naval22_88, NedWong_81, Ngannou_76, Nidhogg_80, NoodleTree_83, Norm_81, NuevoMundo_86, OrediggerDelux_78, ParkTD_81, Patter_80, Phabba_79, PharkleMinkus_84, Phlegm_82, Phox_76, Phusco_80, Pier_84, Pinkcreek_70, Pio_83, Pivoine_79, Pleione_82, Primadonna_74, Pupusa_84, PurduePete_80, QBert_74, Quasimodo_80, Rabinovish_77, Rahel_79, Rizal_77, RoMag_75, Rocha_78, Ronan_73, Roots515_79, SVoro_78, Salacia_84, Sauce_80, ScoobyDoobyDoo_69, ScottMcG_76, Sebata_80, Shaqnato_72, Shelob_82, ShiaLabeouf_80, Shifa_69, Shnickers_80, Shrimp_80, SilverDipper_81, SmallFry_80, SoilZilla_75, Spec_75, Specks_86, Sprinklers_75, Spud_79, SrishMeg2525_79, StephanieG_80, StubbySaigey_81, Stubby_73, Substance289_76, Tainan_84, Teardrop_80, TinyTim_80, Tonenili_94, Tortoise16_78, Trinitium_76, Turret_75, Tyke_82, ValleyTerrace_80, Vortrix_95,

Wally_78, Willis_81, Yassified_76, YemiJoy2021_81, YoungMoneyMata_80, Yucca_79, Zalkecks_81, Zeenon_81, ZygoTaiga_79,

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

-

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

-

Summary by start number:

Start 1:

- Found in 222 of 222 (100.0%) of genes in pham
- Manual Annotations of this start: 184 of 184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ablatia_78 (C1), Ading_80 (C1), Adlitam_80 (C1), Alice_72 (C1), Amataga_80 (C1), ArcherS7_80 (C1), Asterius_83 (C1), Astraea_78 (C1), Atlantean_79 (C1), Audrick_82 (C1), Ava3_81 (C1), Babyland_79 (C1), BackyardAgain_77 (C1), BadAgartude_77 (C1), BananaFence_79 (C1), Bangla1971_81 (C1), Basquiat_76 (C1), BeanWater_72 (C1), Belieber_74 (C1), Bezza_69 (C1), BigCity_87 (C1), Bigswole_85 (C1), Bipolarisk_79 (C1), Blackbrain_75 (C1), Blackdragon_74 (C1), Blubba_70 (C1), BobaPhatt_74 (C1), Bonray_80 (C1), Bowman_78 (C1), Bread_80 (C1), Breeniome_80 (C1), Burrough_80 (C1), Bxz1_80 (C1), Cactojaque_75 (C1), Cali_75 (C1), Cane17_68 (C1), Capablanca_82 (C1), Caravan_76 (C1), Catera_78 (C1), Chargie21_76 (C1), CharlieB_76 (C1), ChaylaJr_75 (C1), ChickenPhender_76 (C1), Chomp_79 (C1), CindyLou_81 (C1), Cleatunium_75 (C1), Colt_70 (C1), Concombre_87 (C1), DTDevon_81 (C1), Daffodil_84 (C1), Dandelion_86 (C1), Darko_80 (C1), DeejaClivia_69 (C1), Delilah_80 (C1), Delylah_83 (C1), Demodog_87 (C1), Derek_80 (C1), Dessert_77 (C1), Dietrick_73 (C1), DirtMonster_73 (C1), Domi_74 (C1), DrPhinkDaddy_79 (C1), Drazdys_80 (C1), Duckfeet_71 (C1), ET08_69 (C1), EasyJones_82 (C1), EggyFarm_87 (C1), EmToTheThree_83 (C1), EmmaElysia_79 (C1), Erdmann_80 (C1), ErnieJ_76 (C1), Essence_77 (C1), Ewok_81 (C1), Fixie_75 (C1), Flabslab_75 (C1), Fludd_80 (C1), Fongie_78 (C1), FoxtrotP1_80 (C1), FrayBell_86 (C1), FudgeTart_80 (C1), Gabriel_82 (C1), Gamgam_80 (C1), Ghost_79 (C1), Gizmo_84 (C1), GlutenPhree_81 (C1), Grasshills_87 (C1), Greely_78 (C2), Grungle_68 (C1), Guwapp_79 (C1), Halldule_72 (C1), HyRo_73 (C1), I3_85 (C1), IkeLoa_74 (C1), InigoMontoya_81 (C1), InterFolia_89 (C1), Iota_74 (C1), Issimir_79 (C1), Izajani_80 (C1), JPickles_78 (C1), Janiyra_82 (C1), JayJay_86 (C1), Jaygup_80 (C1), Jedediah_83 (C1), Jemmno_80 (C1), Jessibeth14_79 (C1), Jezreel_80 (C1), JigglyPuff_85 (C1), JulietS_73 (C1), JustHall_76 (C1), Kamryn_80 (C1), Kboogie_83 (C1), Khaleesi_79 (C1), Koguma_76 (C1), LRRHood_74 (C1), Labradorite_80 (C1), Latch_80 (C1), Lee7_78 (C1), Lethe_79 (C1), LifeSavor_79 (C1), LinStu_79 (C1), Littleton_80 (C1), Loanshark_80 (C1), LolaVinca_82 (C1), LookingGlass_80 (C1), LordLeafolot_86 (C1), Lukilu_70 (C1), Lunareta_77 (C1), Maby2021_80 (C1), Mangeria_80 (C1), Matsumoto_79 (C1), Maturis_76 (C1), McGee_81 (C1), McWolfish_78 (C1), Megamind_79 (C1), Melpomini_74 (C1), MikeLiesIn_80 (C1), Mikro_78 (C1), MoMoMixon_80 (C1), Moby_70 (C1), Moiqah_70 (C1), Momo_79 (C1), Montpel_77 (C1), Morizzled23_80 (C1), Myrna_74 (C2), Naija_79 (C1), Napoleon13_76 (C1), Nappy_81 (C1), Naval22_88 (C1), NedWong_81 (C1), Ngannou_76 (C1), Nidhogg_80 (C1), NoodleTree_83 (C1), Norm_81 (C1), NuevoMundo_86 (C1), OrediggerDelux_78 (C1), ParkTD_81 (C1), Patter_80 (C1), Phabba_79 (C2), PharkleMinkus_84 (C1), Phlegm_82 (C1), Phox_76 (C1),

Phusco_80 (C1), Pier_84 (C1), Pinkcreek_70 (C1), Pio_83 (C1), Pivoine_79 (C1), Pleione_82 (C1), Primadonna_74 (C1), Pupusa_84 (C1), PurduePete_80 (C1), QBert_74 (C1), Quasimodo_80 (C1), Rabinovish_77 (C1), Rahel_79 (C1), Rizal_77 (C1), RoMag_75 (C1), Rocha_78 (C1), Ronan_73 (C1), Roots515_79 (C1), SVoro_78 (C1), Salacia_84 (C1), Sauce_80 (C1), ScoobyDoobyDoo_69 (C2), ScottMcG_76 (C1), Sebata_80 (C1), Shaqnato_72 (C1), Shelob_82 (C1), ShiaLabeouf_80 (C1), Shifa_69 (C1), Shnickers_80 (C1), Shrimp_80 (C1), SilverDipper_81 (C1), SmallFry_80 (C1), SoilZilla_75 (C1), Spec_75 (C1), Specks_86 (C1), Sprinklers_75 (C1), Spud_79 (C1), SrishMeg2525_79 (C1), StephanieG_80 (C1), StubbySaigey_81 (C1), Stubby_73 (C1), Substance289_76 (C1), Tainan_84 (C1), Teardrop_80 (C1), TinyTim_80 (C1), Tonenili_94 (C1), Tortoise16_78 (C1), Trinitium_76 (C1), Turret_75 (C1), Tyke_82 (C1), ValleyTerrace_80 (C1), Vortrix_95 (C1), Wally_78 (C1), Willis_81 (C1), Yassified_76 (C1), YemiJoy2021_81 (C1), YoungMoneyMata_80 (C1), Yucca_79 (C1), Zalkecks_81 (C1), Zeenon_81 (C1), ZygoTaiga_79 (C1),

Summary by clusters:

There are 2 clusters represented in this pham: C2, C1,

Info for manual annotations of cluster C1:

- Start number 1 was manually annotated 181 times for cluster C1.

Info for manual annotations of cluster C2:

- Start number 1 was manually annotated 3 times for cluster C2.

Gene Information:

Gene: Ablatia_78 Start: 27652, Stop: 27948, Start Num: 1

Candidate Starts for Ablatia_78:

(Start: 1 @27652 has 184 MA's), (2, 27703), (6, 27721), (9, 27763),

Gene: Ading_80 Start: 27694, Stop: 27990, Start Num: 1

Candidate Starts for Ading_80:

(Start: 1 @27694 has 184 MA's), (2, 27745), (6, 27763), (9, 27805),

Gene: Adlitam_80 Start: 27711, Stop: 28007, Start Num: 1

Candidate Starts for Adlitam_80:

(Start: 1 @27711 has 184 MA's), (2, 27762), (6, 27780), (9, 27822),

Gene: Alice_72 Start: 26585, Stop: 26881, Start Num: 1

Candidate Starts for Alice_72:

(Start: 1 @26585 has 184 MA's), (2, 26636), (6, 26654), (9, 26696),

Gene: Amataga_80 Start: 27715, Stop: 28011, Start Num: 1

Candidate Starts for Amataga_80:

(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: ArcherS7_80 Start: 28078, Stop: 28374, Start Num: 1

Candidate Starts for ArcherS7_80:

(Start: 1 @28078 has 184 MA's), (2, 28129), (6, 28147), (9, 28189),

Gene: Asterius_83 Start: 28113, Stop: 28409, Start Num: 1
Candidate Starts for Asterius_83:
(Start: 1 @28113 has 184 MA's), (2, 28164), (6, 28182), (9, 28224),

Gene: Astraea_78 Start: 27992, Stop: 28288, Start Num: 1
Candidate Starts for Astraea_78:
(Start: 1 @27992 has 184 MA's), (2, 28043), (6, 28061), (9, 28103),

Gene: Atlantean_79 Start: 27715, Stop: 28011, Start Num: 1
Candidate Starts for Atlantean_79:
(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Audrick_82 Start: 27694, Stop: 27990, Start Num: 1
Candidate Starts for Audrick_82:
(Start: 1 @27694 has 184 MA's), (2, 27745), (6, 27763), (9, 27805),

Gene: Ava3_81 Start: 28864, Stop: 29160, Start Num: 1
Candidate Starts for Ava3_81:
(Start: 1 @28864 has 184 MA's), (2, 28915), (6, 28933), (9, 28975),

Gene: Babyland_79 Start: 27153, Stop: 27449, Start Num: 1
Candidate Starts for Babyland_79:
(Start: 1 @27153 has 184 MA's), (2, 27204), (6, 27222), (9, 27264),

Gene: BackyardAgain_77 Start: 27646, Stop: 27942, Start Num: 1
Candidate Starts for BackyardAgain_77:
(Start: 1 @27646 has 184 MA's), (2, 27697), (6, 27715), (9, 27757),

Gene: BadAgartude_77 Start: 28752, Stop: 29048, Start Num: 1
Candidate Starts for BadAgartude_77:
(Start: 1 @28752 has 184 MA's), (2, 28803), (6, 28821), (9, 28863),

Gene: BananaFence_79 Start: 28234, Stop: 28530, Start Num: 1
Candidate Starts for BananaFence_79:
(Start: 1 @28234 has 184 MA's), (2, 28285), (6, 28303), (9, 28345),

Gene: Bangla1971_81 Start: 28208, Stop: 28504, Start Num: 1
Candidate Starts for Bangla1971_81:
(Start: 1 @28208 has 184 MA's), (2, 28259), (6, 28277), (9, 28319),

Gene: Basquiat_76 Start: 27197, Stop: 27493, Start Num: 1
Candidate Starts for Basquiat_76:
(Start: 1 @27197 has 184 MA's), (2, 27248), (6, 27266), (9, 27308),

Gene: BeanWater_72 Start: 27348, Stop: 27644, Start Num: 1
Candidate Starts for BeanWater_72:
(Start: 1 @27348 has 184 MA's), (2, 27399), (6, 27417), (9, 27459),

Gene: Belieber_74 Start: 27067, Stop: 27363, Start Num: 1
Candidate Starts for Belieber_74:
(Start: 1 @27067 has 184 MA's), (2, 27118), (6, 27136), (9, 27178),

Gene: Bezza_69 Start: 27182, Stop: 27478, Start Num: 1

Candidate Starts for Bezza_69:

(Start: 1 @27182 has 184 MA's), (2, 27233), (6, 27251), (9, 27293),

Gene: BigCity_87 Start: 30891, Stop: 31187, Start Num: 1

Candidate Starts for BigCity_87:

(Start: 1 @30891 has 184 MA's), (2, 30942), (6, 30960), (9, 31002),

Gene: Bigswole_85 Start: 30479, Stop: 30775, Start Num: 1

Candidate Starts for Bigswole_85:

(Start: 1 @30479 has 184 MA's), (2, 30530), (6, 30548), (9, 30590),

Gene: Bipolarisk_79 Start: 28516, Stop: 28812, Start Num: 1

Candidate Starts for Bipolarisk_79:

(Start: 1 @28516 has 184 MA's), (2, 28567), (6, 28585), (9, 28627),

Gene: Blackbrain_75 Start: 27014, Stop: 27310, Start Num: 1

Candidate Starts for Blackbrain_75:

(Start: 1 @27014 has 184 MA's), (2, 27065), (6, 27083), (9, 27125),

Gene: Blackdragon_74 Start: 27317, Stop: 27613, Start Num: 1

Candidate Starts for Blackdragon_74:

(Start: 1 @27317 has 184 MA's), (2, 27368), (6, 27386), (9, 27428),

Gene: Blubba_70 Start: 25388, Stop: 25684, Start Num: 1

Candidate Starts for Blubba_70:

(Start: 1 @25388 has 184 MA's), (2, 25439), (6, 25457), (9, 25499),

Gene: BobaPhatt_74 Start: 26836, Stop: 27132, Start Num: 1

Candidate Starts for BobaPhatt_74:

(Start: 1 @26836 has 184 MA's), (2, 26887), (6, 26905), (9, 26947),

Gene: Bonray_80 Start: 28796, Stop: 29092, Start Num: 1

Candidate Starts for Bonray_80:

(Start: 1 @28796 has 184 MA's), (2, 28847), (6, 28865), (9, 28907),

Gene: Bowman_78 Start: 28623, Stop: 28919, Start Num: 1

Candidate Starts for Bowman_78:

(Start: 1 @28623 has 184 MA's), (2, 28674), (6, 28692), (9, 28734),

Gene: Bread_80 Start: 28450, Stop: 28746, Start Num: 1

Candidate Starts for Bread_80:

(Start: 1 @28450 has 184 MA's), (2, 28501), (6, 28519), (9, 28561),

Gene: Breeniome_80 Start: 27539, Stop: 27835, Start Num: 1

Candidate Starts for Breeniome_80:

(Start: 1 @27539 has 184 MA's), (2, 27590), (6, 27608), (9, 27650),

Gene: Burrough_80 Start: 28483, Stop: 28779, Start Num: 1

Candidate Starts for Burrough_80:

(Start: 1 @28483 has 184 MA's), (2, 28534), (6, 28552), (9, 28594),

Gene: Bxz1_80 Start: 29534, Stop: 29830, Start Num: 1

Candidate Starts for Bxz1_80:

(Start: 1 @29534 has 184 MA's), (2, 29585), (6, 29603), (9, 29645),

Gene: Cactojaque_75 Start: 27121, Stop: 27417, Start Num: 1

Candidate Starts for Cactojaque_75:

(Start: 1 @27121 has 184 MA's), (2, 27172), (6, 27190), (9, 27232),

Gene: Cali_75 Start: 28585, Stop: 28881, Start Num: 1

Candidate Starts for Cali_75:

(Start: 1 @28585 has 184 MA's), (2, 28636), (6, 28654), (9, 28696),

Gene: Cane17_68 Start: 24998, Stop: 25294, Start Num: 1

Candidate Starts for Cane17_68:

(Start: 1 @24998 has 184 MA's), (2, 25049), (6, 25067), (9, 25109),

Gene: Capablanca_82 Start: 28840, Stop: 29136, Start Num: 1

Candidate Starts for Capablanca_82:

(Start: 1 @28840 has 184 MA's), (2, 28891), (6, 28909), (9, 28951),

Gene: Caravan_76 Start: 27878, Stop: 28174, Start Num: 1

Candidate Starts for Caravan_76:

(Start: 1 @27878 has 184 MA's), (2, 27929), (6, 27947), (9, 27989),

Gene: Catera_78 Start: 27261, Stop: 27557, Start Num: 1

Candidate Starts for Catera_78:

(Start: 1 @27261 has 184 MA's), (2, 27312), (6, 27330), (9, 27372),

Gene: Chargie21_76 Start: 27197, Stop: 27493, Start Num: 1

Candidate Starts for Chargie21_76:

(Start: 1 @27197 has 184 MA's), (2, 27248), (6, 27266), (9, 27308),

Gene: CharlieB_76 Start: 26583, Stop: 26879, Start Num: 1

Candidate Starts for CharlieB_76:

(Start: 1 @26583 has 184 MA's), (2, 26634), (6, 26652), (9, 26694),

Gene: ChaylaJr_75 Start: 26912, Stop: 27208, Start Num: 1

Candidate Starts for ChaylaJr_75:

(Start: 1 @26912 has 184 MA's), (2, 26963), (6, 26981), (9, 27023),

Gene: ChickenPhender_76 Start: 27245, Stop: 27541, Start Num: 1

Candidate Starts for ChickenPhender_76:

(Start: 1 @27245 has 184 MA's), (2, 27296), (6, 27314), (9, 27356),

Gene: Chomp_79 Start: 27715, Stop: 28011, Start Num: 1

Candidate Starts for Chomp_79:

(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: CindyLou_81 Start: 28240, Stop: 28536, Start Num: 1

Candidate Starts for CindyLou_81:

(Start: 1 @28240 has 184 MA's), (2, 28291), (6, 28309), (9, 28351),

Gene: Cleatunium_75 Start: 27719, Stop: 28015, Start Num: 1

Candidate Starts for Cleatunium_75:

(Start: 1 @27719 has 184 MA's), (2, 27770), (6, 27788), (9, 27830),

Gene: Colt_70 Start: 26060, Stop: 26356, Start Num: 1
Candidate Starts for Colt_70:
(Start: 1 @26060 has 184 MA's), (2, 26111), (6, 26129), (9, 26171),

Gene: Concombres_87 Start: 31169, Stop: 31465, Start Num: 1
Candidate Starts for Concombres_87:
(Start: 1 @31169 has 184 MA's), (2, 31220), (6, 31238), (9, 31280),

Gene: DTDevon_81 Start: 28879, Stop: 29175, Start Num: 1
Candidate Starts for DTDevon_81:
(Start: 1 @28879 has 184 MA's), (2, 28930), (6, 28948), (9, 28990),

Gene: Daffodil_84 Start: 28804, Stop: 29100, Start Num: 1
Candidate Starts for Daffodil_84:
(Start: 1 @28804 has 184 MA's), (2, 28855), (6, 28873), (9, 28915),

Gene: Dandelion_86 Start: 30885, Stop: 31181, Start Num: 1
Candidate Starts for Dandelion_86:
(Start: 1 @30885 has 184 MA's), (2, 30936), (6, 30954), (9, 30996),

Gene: Darko_80 Start: 28622, Stop: 28918, Start Num: 1
Candidate Starts for Darko_80:
(Start: 1 @28622 has 184 MA's), (2, 28673), (6, 28691), (9, 28733),

Gene: DeejaClivia_69 Start: 25094, Stop: 25390, Start Num: 1
Candidate Starts for DeejaClivia_69:
(Start: 1 @25094 has 184 MA's), (2, 25145), (6, 25163), (9, 25205),

Gene: Delilah_80 Start: 28805, Stop: 29101, Start Num: 1
Candidate Starts for Delilah_80:
(Start: 1 @28805 has 184 MA's), (2, 28856), (6, 28874), (9, 28916),

Gene: Delylah_83 Start: 28598, Stop: 28894, Start Num: 1
Candidate Starts for Delylah_83:
(Start: 1 @28598 has 184 MA's), (2, 28649), (6, 28667), (9, 28709),

Gene: Demodog_87 Start: 31169, Stop: 31465, Start Num: 1
Candidate Starts for Demodog_87:
(Start: 1 @31169 has 184 MA's), (2, 31220), (6, 31238), (9, 31280),

Gene: Derek_80 Start: 28046, Stop: 28342, Start Num: 1
Candidate Starts for Derek_80:
(Start: 1 @28046 has 184 MA's), (2, 28097), (6, 28115), (9, 28157),

Gene: Dessert_77 Start: 27715, Stop: 28011, Start Num: 1
Candidate Starts for Dessert_77:
(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Dietrick_73 Start: 26923, Stop: 27219, Start Num: 1
Candidate Starts for Dietrick_73:
(Start: 1 @26923 has 184 MA's), (2, 26974), (6, 26992), (9, 27034),

Gene: DirtMonster_73 Start: 27442, Stop: 27738, Start Num: 1
Candidate Starts for DirtMonster_73:
(Start: 1 @27442 has 184 MA's), (2, 27493), (6, 27511), (9, 27553),

Gene: Domi_74 Start: 28016, Stop: 28312, Start Num: 1
Candidate Starts for Domi_74:
(Start: 1 @28016 has 184 MA's), (2, 28067), (6, 28085), (9, 28127),

Gene: DrPhinkDaddy_79 Start: 28860, Stop: 29156, Start Num: 1
Candidate Starts for DrPhinkDaddy_79:
(Start: 1 @28860 has 184 MA's), (2, 28911), (6, 28929), (9, 28971),

Gene: Drazdys_80 Start: 28552, Stop: 28848, Start Num: 1
Candidate Starts for Drazdys_80:
(Start: 1 @28552 has 184 MA's), (2, 28603), (6, 28621), (9, 28663),

Gene: Duckfeet_71 Start: 26550, Stop: 26846, Start Num: 1
Candidate Starts for Duckfeet_71:
(Start: 1 @26550 has 184 MA's), (2, 26601), (6, 26619), (9, 26661),

Gene: ET08_69 Start: 26451, Stop: 26747, Start Num: 1
Candidate Starts for ET08_69:
(Start: 1 @26451 has 184 MA's), (2, 26502), (6, 26520), (9, 26562),

Gene: EasyJones_82 Start: 28304, Stop: 28600, Start Num: 1
Candidate Starts for EasyJones_82:
(Start: 1 @28304 has 184 MA's), (2, 28355), (6, 28373), (9, 28415),

Gene: EggyFarm_87 Start: 30891, Stop: 31187, Start Num: 1
Candidate Starts for EggyFarm_87:
(Start: 1 @30891 has 184 MA's), (2, 30942), (6, 30960), (9, 31002),

Gene: EmToTheThree_83 Start: 30277, Stop: 30573, Start Num: 1
Candidate Starts for EmToTheThree_83:
(Start: 1 @30277 has 184 MA's), (2, 30328), (6, 30346), (9, 30388),

Gene: EmmaElysia_79 Start: 27285, Stop: 27581, Start Num: 1
Candidate Starts for EmmaElysia_79:
(Start: 1 @27285 has 184 MA's), (2, 27336), (6, 27354), (9, 27396),

Gene: Erdmann_80 Start: 28805, Stop: 29101, Start Num: 1
Candidate Starts for Erdmann_80:
(Start: 1 @28805 has 184 MA's), (2, 28856), (6, 28874), (9, 28916),

Gene: ErnieJ_76 Start: 27201, Stop: 27497, Start Num: 1
Candidate Starts for ErnieJ_76:
(Start: 1 @27201 has 184 MA's), (2, 27252), (6, 27270), (9, 27312),

Gene: Essence_77 Start: 26798, Stop: 27094, Start Num: 1
Candidate Starts for Essence_77:
(Start: 1 @26798 has 184 MA's), (2, 26849), (6, 26867), (9, 26909),

Gene: Ewok_81 Start: 28807, Stop: 29103, Start Num: 1

Candidate Starts for Ewok_81:

(Start: 1 @28807 has 184 MA's), (2, 28858), (6, 28876), (9, 28918),

Gene: Fixie_75 Start: 26915, Stop: 27211, Start Num: 1

Candidate Starts for Fixie_75:

(Start: 1 @26915 has 184 MA's), (2, 26966), (6, 26984), (9, 27026),

Gene: Flabslab_75 Start: 27024, Stop: 27320, Start Num: 1

Candidate Starts for Flabslab_75:

(Start: 1 @27024 has 184 MA's), (2, 27075), (6, 27093), (9, 27135),

Gene: Fludd_80 Start: 27644, Stop: 27940, Start Num: 1

Candidate Starts for Fludd_80:

(Start: 1 @27644 has 184 MA's), (2, 27695), (6, 27713), (9, 27755),

Gene: Fongie_78 Start: 29020, Stop: 29316, Start Num: 1

Candidate Starts for Fongie_78:

(Start: 1 @29020 has 184 MA's), (2, 29071), (6, 29089), (9, 29131),

Gene: FoxtrotP1_80 Start: 29207, Stop: 29503, Start Num: 1

Candidate Starts for FoxtrotP1_80:

(Start: 1 @29207 has 184 MA's), (2, 29258), (6, 29276), (9, 29318),

Gene: FrayBell_86 Start: 30137, Stop: 30433, Start Num: 1

Candidate Starts for FrayBell_86:

(Start: 1 @30137 has 184 MA's), (2, 30188), (6, 30206), (9, 30248),

Gene: FudgeTart_80 Start: 27920, Stop: 28216, Start Num: 1

Candidate Starts for FudgeTart_80:

(Start: 1 @27920 has 184 MA's), (2, 27971), (6, 27989), (9, 28031),

Gene: Gabriel_82 Start: 27948, Stop: 28244, Start Num: 1

Candidate Starts for Gabriel_82:

(Start: 1 @27948 has 184 MA's), (2, 27999), (6, 28017), (9, 28059),

Gene: Gamgam_80 Start: 27715, Stop: 28011, Start Num: 1

Candidate Starts for Gamgam_80:

(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Ghost_79 Start: 27715, Stop: 28011, Start Num: 1

Candidate Starts for Ghost_79:

(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Gizmo_84 Start: 28488, Stop: 28784, Start Num: 1

Candidate Starts for Gizmo_84:

(Start: 1 @28488 has 184 MA's), (2, 28539), (6, 28557), (9, 28599),

Gene: GlutenPhree_81 Start: 27715, Stop: 28011, Start Num: 1

Candidate Starts for GlutenPhree_81:

(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Grasshills_87 Start: 30891, Stop: 31187, Start Num: 1

Candidate Starts for Grasshills_87:

(Start: 1 @30891 has 184 MA's), (2, 30942), (6, 30960), (9, 31002),

Gene: Greely_78 Start: 29702, Stop: 29938, Start Num: 1

Candidate Starts for Greely_78:

(Start: 1 @29702 has 184 MA's), (3, 29759), (4, 29765), (5, 29768), (11, 29831), (12, 29846),

Gene: Grungle_68 Start: 25135, Stop: 25431, Start Num: 1

Candidate Starts for Grungle_68:

(Start: 1 @25135 has 184 MA's), (2, 25186), (6, 25204), (9, 25246),

Gene: Guwapp_79 Start: 27810, Stop: 28106, Start Num: 1

Candidate Starts for Guwapp_79:

(Start: 1 @27810 has 184 MA's), (2, 27861), (6, 27879), (9, 27921),

Gene: Halldule_72 Start: 26165, Stop: 26461, Start Num: 1

Candidate Starts for Halldule_72:

(Start: 1 @26165 has 184 MA's), (2, 26216), (6, 26234), (9, 26276),

Gene: HyRo_73 Start: 27415, Stop: 27711, Start Num: 1

Candidate Starts for HyRo_73:

(Start: 1 @27415 has 184 MA's), (2, 27466), (6, 27484), (9, 27526),

Gene: I3_85 Start: 29087, Stop: 29383, Start Num: 1

Candidate Starts for I3_85:

(Start: 1 @29087 has 184 MA's), (2, 29138), (6, 29156), (9, 29198),

Gene: IkeLoa_74 Start: 27053, Stop: 27349, Start Num: 1

Candidate Starts for IkeLoa_74:

(Start: 1 @27053 has 184 MA's), (2, 27104), (6, 27122), (9, 27164),

Gene: InigoMontoya_81 Start: 27676, Stop: 27972, Start Num: 1

Candidate Starts for InigoMontoya_81:

(Start: 1 @27676 has 184 MA's), (2, 27727), (6, 27745), (9, 27787),

Gene: InterFolia_89 Start: 31257, Stop: 31553, Start Num: 1

Candidate Starts for InterFolia_89:

(Start: 1 @31257 has 184 MA's), (2, 31308), (6, 31326), (9, 31368),

Gene: Iota_74 Start: 27494, Stop: 27790, Start Num: 1

Candidate Starts for Iota_74:

(Start: 1 @27494 has 184 MA's), (2, 27545), (6, 27563), (9, 27605),

Gene: Issimir_79 Start: 28748, Stop: 29044, Start Num: 1

Candidate Starts for Issimir_79:

(Start: 1 @28748 has 184 MA's), (2, 28799), (6, 28817), (9, 28859),

Gene: Izajani_80 Start: 28821, Stop: 29117, Start Num: 1

Candidate Starts for Izajani_80:

(Start: 1 @28821 has 184 MA's), (2, 28872), (6, 28890), (9, 28932),

Gene: JPickles_78 Start: 26142, Stop: 26438, Start Num: 1

Candidate Starts for JPickles_78:

(Start: 1 @26142 has 184 MA's), (2, 26193), (6, 26211), (9, 26253),

Gene: Janiyra_82 Start: 28474, Stop: 28770, Start Num: 1
Candidate Starts for Janiyra_82:
(Start: 1 @28474 has 184 MA's), (2, 28525), (6, 28543), (9, 28585),

Gene: JayJay_86 Start: 29301, Stop: 29597, Start Num: 1
Candidate Starts for JayJay_86:
(Start: 1 @29301 has 184 MA's), (2, 29352), (6, 29370), (9, 29412),

Gene: Jaygup_80 Start: 27712, Stop: 28008, Start Num: 1
Candidate Starts for Jaygup_80:
(Start: 1 @27712 has 184 MA's), (2, 27763), (6, 27781), (9, 27823),

Gene: Jedediah_83 Start: 28212, Stop: 28508, Start Num: 1
Candidate Starts for Jedediah_83:
(Start: 1 @28212 has 184 MA's), (2, 28263), (6, 28281), (9, 28323),

Gene: Jemmno_80 Start: 27715, Stop: 28011, Start Num: 1
Candidate Starts for Jemmno_80:
(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Jessibeth14_79 Start: 28590, Stop: 28886, Start Num: 1
Candidate Starts for Jessibeth14_79:
(Start: 1 @28590 has 184 MA's), (2, 28641), (6, 28659), (9, 28701),

Gene: Jezreel_80 Start: 28387, Stop: 28683, Start Num: 1
Candidate Starts for Jezreel_80:
(Start: 1 @28387 has 184 MA's), (2, 28438), (6, 28456), (9, 28498),

Gene: JigglyPuff_85 Start: 30500, Stop: 30796, Start Num: 1
Candidate Starts for JigglyPuff_85:
(Start: 1 @30500 has 184 MA's), (2, 30551), (6, 30569), (9, 30611),

Gene: JulietS_73 Start: 26016, Stop: 26312, Start Num: 1
Candidate Starts for JulietS_73:
(Start: 1 @26016 has 184 MA's), (2, 26067), (6, 26085), (9, 26127),

Gene: JustHall_76 Start: 28034, Stop: 28330, Start Num: 1
Candidate Starts for JustHall_76:
(Start: 1 @28034 has 184 MA's), (2, 28085), (6, 28103), (9, 28145),

Gene: Kamryn_80 Start: 28747, Stop: 29043, Start Num: 1
Candidate Starts for Kamryn_80:
(Start: 1 @28747 has 184 MA's), (2, 28798), (6, 28816), (9, 28858),

Gene: Kboogie_83 Start: 27756, Stop: 28052, Start Num: 1
Candidate Starts for Kboogie_83:
(Start: 1 @27756 has 184 MA's), (2, 27807), (6, 27825), (9, 27867),

Gene: Khaleesi_79 Start: 28552, Stop: 28848, Start Num: 1
Candidate Starts for Khaleesi_79:
(Start: 1 @28552 has 184 MA's), (2, 28603), (6, 28621), (9, 28663),

Gene: Koguma_76 Start: 26236, Stop: 26532, Start Num: 1
Candidate Starts for Koguma_76:
(Start: 1 @26236 has 184 MA's), (2, 26287), (6, 26305), (9, 26347),

Gene: LRRHood_74 Start: 28055, Stop: 28351, Start Num: 1
Candidate Starts for LRRHood_74:
(Start: 1 @28055 has 184 MA's), (2, 28106), (6, 28124), (9, 28166),

Gene: Labradorite_80 Start: 27832, Stop: 28128, Start Num: 1
Candidate Starts for Labradorite_80:
(Start: 1 @27832 has 184 MA's), (2, 27883), (6, 27901), (9, 27943),

Gene: Latch_80 Start: 27715, Stop: 28011, Start Num: 1
Candidate Starts for Latch_80:
(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Lee7_78 Start: 28805, Stop: 29101, Start Num: 1
Candidate Starts for Lee7_78:
(Start: 1 @28805 has 184 MA's), (2, 28856), (6, 28874), (9, 28916),

Gene: Lethe_79 Start: 29000, Stop: 29296, Start Num: 1
Candidate Starts for Lethe_79:
(Start: 1 @29000 has 184 MA's), (2, 29051), (6, 29069), (9, 29111),

Gene: LifeSavor_79 Start: 27435, Stop: 27731, Start Num: 1
Candidate Starts for LifeSavor_79:
(Start: 1 @27435 has 184 MA's), (2, 27486), (6, 27504), (9, 27546),

Gene: LinStu_79 Start: 29214, Stop: 29510, Start Num: 1
Candidate Starts for LinStu_79:
(Start: 1 @29214 has 184 MA's), (2, 29265), (6, 29283), (9, 29325),

Gene: Littleton_80 Start: 27715, Stop: 28011, Start Num: 1
Candidate Starts for Littleton_80:
(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Loanshark_80 Start: 28805, Stop: 29101, Start Num: 1
Candidate Starts for Loanshark_80:
(Start: 1 @28805 has 184 MA's), (2, 28856), (6, 28874), (9, 28916),

Gene: LolaVinca_82 Start: 29965, Stop: 30261, Start Num: 1
Candidate Starts for LolaVinca_82:
(Start: 1 @29965 has 184 MA's), (2, 30016), (6, 30034), (9, 30076),

Gene: LookingGlass_80 Start: 28797, Stop: 29093, Start Num: 1
Candidate Starts for LookingGlass_80:
(Start: 1 @28797 has 184 MA's), (2, 28848), (6, 28866), (9, 28908),

Gene: LordLeafolot_86 Start: 30136, Stop: 30432, Start Num: 1
Candidate Starts for LordLeafolot_86:
(Start: 1 @30136 has 184 MA's), (2, 30187), (6, 30205), (9, 30247),

Gene: Lukilu_70 Start: 27258, Stop: 27554, Start Num: 1

Candidate Starts for Lukilu_70:
(Start: 1 @27258 has 184 MA's), (2, 27309), (6, 27327), (9, 27369),

Gene: Lunareta_77 Start: 29071, Stop: 29367, Start Num: 1
Candidate Starts for Lunareta_77:
(Start: 1 @29071 has 184 MA's), (2, 29122), (6, 29140), (9, 29182),

Gene: Maby2021_80 Start: 28486, Stop: 28782, Start Num: 1
Candidate Starts for Maby2021_80:
(Start: 1 @28486 has 184 MA's), (2, 28537), (6, 28555), (9, 28597),

Gene: Mangeria_80 Start: 28226, Stop: 28522, Start Num: 1
Candidate Starts for Mangeria_80:
(Start: 1 @28226 has 184 MA's), (2, 28277), (6, 28295), (9, 28337),

Gene: Matsumoto_79 Start: 27676, Stop: 27972, Start Num: 1
Candidate Starts for Matsumoto_79:
(Start: 1 @27676 has 184 MA's), (2, 27727), (6, 27745), (9, 27787),

Gene: Maturis_76 Start: 28211, Stop: 28507, Start Num: 1
Candidate Starts for Maturis_76:
(Start: 1 @28211 has 184 MA's), (2, 28262), (6, 28280), (9, 28322),

Gene: McGee_81 Start: 26899, Stop: 27195, Start Num: 1
Candidate Starts for McGee_81:
(Start: 1 @26899 has 184 MA's), (2, 26950), (6, 26968), (9, 27010),

Gene: McWolfish_78 Start: 28233, Stop: 28529, Start Num: 1
Candidate Starts for McWolfish_78:
(Start: 1 @28233 has 184 MA's), (2, 28284), (6, 28302), (9, 28344),

Gene: Megamind_79 Start: 28471, Stop: 28767, Start Num: 1
Candidate Starts for Megamind_79:
(Start: 1 @28471 has 184 MA's), (2, 28522), (6, 28540), (9, 28582),

Gene: Melpomini_74 Start: 26269, Stop: 26565, Start Num: 1
Candidate Starts for Melpomini_74:
(Start: 1 @26269 has 184 MA's), (2, 26320), (6, 26338), (9, 26380),

Gene: MikeLiesIn_80 Start: 28818, Stop: 29114, Start Num: 1
Candidate Starts for MikeLiesIn_80:
(Start: 1 @28818 has 184 MA's), (2, 28869), (6, 28887), (9, 28929),

Gene: Mikro_78 Start: 29612, Stop: 29908, Start Num: 1
Candidate Starts for Mikro_78:
(Start: 1 @29612 has 184 MA's), (2, 29663), (6, 29681), (9, 29723),

Gene: MoMoMixon_80 Start: 28918, Stop: 29214, Start Num: 1
Candidate Starts for MoMoMixon_80:
(Start: 1 @28918 has 184 MA's), (2, 28969), (6, 28987), (9, 29029),

Gene: Moby_70 Start: 24485, Stop: 24781, Start Num: 1
Candidate Starts for Moby_70:

(Start: 1 @24485 has 184 MA's), (2, 24536), (6, 24554), (9, 24596),

Gene: Moiqah_70 Start: 24485, Stop: 24781, Start Num: 1

Candidate Starts for Moiqah_70:

(Start: 1 @24485 has 184 MA's), (2, 24536), (6, 24554), (9, 24596),

Gene: Momo_79 Start: 27715, Stop: 28011, Start Num: 1

Candidate Starts for Momo_79:

(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Montpel_77 Start: 29071, Stop: 29367, Start Num: 1

Candidate Starts for Montpel_77:

(Start: 1 @29071 has 184 MA's), (2, 29122), (6, 29140), (9, 29182),

Gene: Morizzled23_80 Start: 27884, Stop: 28180, Start Num: 1

Candidate Starts for Morizzled23_80:

(Start: 1 @27884 has 184 MA's), (2, 27935), (6, 27953), (9, 27995),

Gene: Myrna_74 Start: 29491, Stop: 29721, Start Num: 1

Candidate Starts for Myrna_74:

(Start: 1 @29491 has 184 MA's), (4, 29554), (6, 29560), (11, 29620),

Gene: Naija_79 Start: 27715, Stop: 28011, Start Num: 1

Candidate Starts for Naija_79:

(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Napoleon13_76 Start: 26613, Stop: 26909, Start Num: 1

Candidate Starts for Napoleon13_76:

(Start: 1 @26613 has 184 MA's), (2, 26664), (6, 26682), (9, 26724),

Gene: Nappy_81 Start: 29107, Stop: 29403, Start Num: 1

Candidate Starts for Nappy_81:

(Start: 1 @29107 has 184 MA's), (2, 29158), (6, 29176), (9, 29218),

Gene: Naval22_88 Start: 29827, Stop: 30123, Start Num: 1

Candidate Starts for Naval22_88:

(Start: 1 @29827 has 184 MA's), (2, 29878), (6, 29896), (9, 29938),

Gene: NedWong_81 Start: 28805, Stop: 29101, Start Num: 1

Candidate Starts for NedWong_81:

(Start: 1 @28805 has 184 MA's), (2, 28856), (6, 28874), (9, 28916),

Gene: Ngannou_76 Start: 26697, Stop: 26993, Start Num: 1

Candidate Starts for Ngannou_76:

(Start: 1 @26697 has 184 MA's), (2, 26748), (6, 26766), (9, 26808),

Gene: Nidhogg_80 Start: 28659, Stop: 28955, Start Num: 1

Candidate Starts for Nidhogg_80:

(Start: 1 @28659 has 184 MA's), (2, 28710), (6, 28728), (9, 28770),

Gene: NoodleTree_83 Start: 29254, Stop: 29550, Start Num: 1

Candidate Starts for NoodleTree_83:

(Start: 1 @29254 has 184 MA's), (2, 29305), (6, 29323), (9, 29365),

Gene: Norm_81 Start: 28807, Stop: 29103, Start Num: 1
Candidate Starts for Norm_81:
(Start: 1 @28807 has 184 MA's), (2, 28858), (6, 28876), (9, 28918),

Gene: NuevoMundo_86 Start: 30184, Stop: 30480, Start Num: 1
Candidate Starts for NuevoMundo_86:
(Start: 1 @30184 has 184 MA's), (2, 30235), (6, 30253), (9, 30295),

Gene: OrediggerDelux_78 Start: 28807, Stop: 29103, Start Num: 1
Candidate Starts for OrediggerDelux_78:
(Start: 1 @28807 has 184 MA's), (2, 28858), (6, 28876), (9, 28918),

Gene: ParkTD_81 Start: 28801, Stop: 29097, Start Num: 1
Candidate Starts for ParkTD_81:
(Start: 1 @28801 has 184 MA's), (2, 28852), (6, 28870), (9, 28912),

Gene: Patter_80 Start: 27732, Stop: 28028, Start Num: 1
Candidate Starts for Patter_80:
(Start: 1 @27732 has 184 MA's), (2, 27783), (6, 27801), (9, 27843),

Gene: Phabba_79 Start: 29545, Stop: 29790, Start Num: 1
Candidate Starts for Phabba_79:
(Start: 1 @29545 has 184 MA's), (4, 29608), (5, 29611), (6, 29614), (7, 29623), (9, 29656), (11, 29674),
(12, 29689),

Gene: PharkleMinkus_84 Start: 30137, Stop: 30433, Start Num: 1
Candidate Starts for PharkleMinkus_84:
(Start: 1 @30137 has 184 MA's), (2, 30188), (6, 30206), (9, 30248),

Gene: Phlegm_82 Start: 27715, Stop: 28011, Start Num: 1
Candidate Starts for Phlegm_82:
(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Phox_76 Start: 28737, Stop: 29033, Start Num: 1
Candidate Starts for Phox_76:
(Start: 1 @28737 has 184 MA's), (2, 28788), (6, 28806), (9, 28848),

Gene: Phusco_80 Start: 28525, Stop: 28821, Start Num: 1
Candidate Starts for Phusco_80:
(Start: 1 @28525 has 184 MA's), (2, 28576), (6, 28594), (9, 28636),

Gene: Pier_84 Start: 28885, Stop: 29181, Start Num: 1
Candidate Starts for Pier_84:
(Start: 1 @28885 has 184 MA's), (2, 28936), (6, 28954), (9, 28996),

Gene: Pinkcreek_70 Start: 25896, Stop: 26192, Start Num: 1
Candidate Starts for Pinkcreek_70:
(Start: 1 @25896 has 184 MA's), (2, 25947), (6, 25965), (9, 26007),

Gene: Pio_83 Start: 29152, Stop: 29448, Start Num: 1
Candidate Starts for Pio_83:
(Start: 1 @29152 has 184 MA's), (2, 29203), (6, 29221), (9, 29263),

Gene: Pivoine_79 Start: 27715, Stop: 28011, Start Num: 1
Candidate Starts for Pivoine_79:
(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Pleione_82 Start: 28804, Stop: 29100, Start Num: 1
Candidate Starts for Pleione_82:
(Start: 1 @28804 has 184 MA's), (2, 28855), (6, 28873), (9, 28915),

Gene: Primadonna_74 Start: 27699, Stop: 27995, Start Num: 1
Candidate Starts for Primadonna_74:
(Start: 1 @27699 has 184 MA's), (2, 27750), (6, 27768), (9, 27810),

Gene: Pupusa_84 Start: 30504, Stop: 30800, Start Num: 1
Candidate Starts for Pupusa_84:
(Start: 1 @30504 has 184 MA's), (2, 30555), (6, 30573), (9, 30615),

Gene: PurduePete_80 Start: 28849, Stop: 29145, Start Num: 1
Candidate Starts for PurduePete_80:
(Start: 1 @28849 has 184 MA's), (2, 28900), (6, 28918), (9, 28960),

Gene: QBert_74 Start: 28248, Stop: 28544, Start Num: 1
Candidate Starts for QBert_74:
(Start: 1 @28248 has 184 MA's), (2, 28299), (6, 28317), (9, 28359),

Gene: Quasimodo_80 Start: 28733, Stop: 29029, Start Num: 1
Candidate Starts for Quasimodo_80:
(Start: 1 @28733 has 184 MA's), (2, 28784), (6, 28802), (9, 28844),

Gene: Rabinovish_77 Start: 28610, Stop: 28906, Start Num: 1
Candidate Starts for Rabinovish_77:
(Start: 1 @28610 has 184 MA's), (2, 28661), (6, 28679), (9, 28721),

Gene: Rahel_79 Start: 27313, Stop: 27609, Start Num: 1
Candidate Starts for Rahel_79:
(Start: 1 @27313 has 184 MA's), (2, 27364), (6, 27382), (9, 27424),

Gene: Rizal_77 Start: 27722, Stop: 28018, Start Num: 1
Candidate Starts for Rizal_77:
(Start: 1 @27722 has 184 MA's), (2, 27773), (6, 27791), (9, 27833),

Gene: RoMag_75 Start: 28047, Stop: 28343, Start Num: 1
Candidate Starts for RoMag_75:
(Start: 1 @28047 has 184 MA's), (2, 28098), (6, 28116), (9, 28158),

Gene: Rocha_78 Start: 28134, Stop: 28430, Start Num: 1
Candidate Starts for Rocha_78:
(Start: 1 @28134 has 184 MA's), (2, 28185), (6, 28203), (9, 28245),

Gene: Ronan_73 Start: 25554, Stop: 25850, Start Num: 1
Candidate Starts for Ronan_73:
(Start: 1 @25554 has 184 MA's), (2, 25605), (6, 25623), (9, 25665),

Gene: Roots515_79 Start: 28174, Stop: 28470, Start Num: 1
Candidate Starts for Roots515_79:
(Start: 1 @28174 has 184 MA's), (2, 28225), (6, 28243), (9, 28285),

Gene: SVoro_78 Start: 28799, Stop: 29095, Start Num: 1
Candidate Starts for SVoro_78:
(Start: 1 @28799 has 184 MA's), (2, 28850), (6, 28868), (9, 28910),

Gene: Salacia_84 Start: 28827, Stop: 29123, Start Num: 1
Candidate Starts for Salacia_84:
(Start: 1 @28827 has 184 MA's), (2, 28878), (6, 28896), (9, 28938),

Gene: Sauce_80 Start: 27602, Stop: 27898, Start Num: 1
Candidate Starts for Sauce_80:
(Start: 1 @27602 has 184 MA's), (2, 27653), (6, 27671), (9, 27713),

Gene: ScoobyDoobyDoo_69 Start: 25604, Stop: 25849, Start Num: 1
Candidate Starts for ScoobyDoobyDoo_69:
(Start: 1 @25604 has 184 MA's), (4, 25667), (6, 25673), (10, 25718), (11, 25733),

Gene: ScottMcG_76 Start: 28159, Stop: 28455, Start Num: 1
Candidate Starts for ScottMcG_76:
(Start: 1 @28159 has 184 MA's), (2, 28210), (6, 28228), (9, 28270),

Gene: Sebata_80 Start: 29333, Stop: 29629, Start Num: 1
Candidate Starts for Sebata_80:
(Start: 1 @29333 has 184 MA's), (2, 29384), (6, 29402), (9, 29444),

Gene: Shaqnato_72 Start: 26477, Stop: 26773, Start Num: 1
Candidate Starts for Shaqnato_72:
(Start: 1 @26477 has 184 MA's), (2, 26528), (6, 26546), (9, 26588),

Gene: Shelob_82 Start: 29797, Stop: 30093, Start Num: 1
Candidate Starts for Shelob_82:
(Start: 1 @29797 has 184 MA's), (2, 29848), (6, 29866), (9, 29908),

Gene: ShiaLabeouf_80 Start: 28152, Stop: 28448, Start Num: 1
Candidate Starts for ShiaLabeouf_80:
(Start: 1 @28152 has 184 MA's), (2, 28203), (6, 28221), (9, 28263),

Gene: Shifa_69 Start: 26439, Stop: 26735, Start Num: 1
Candidate Starts for Shifa_69:
(Start: 1 @26439 has 184 MA's), (2, 26490), (6, 26508), (9, 26550),

Gene: Shnickers_80 Start: 27712, Stop: 28008, Start Num: 1
Candidate Starts for Shnickers_80:
(Start: 1 @27712 has 184 MA's), (2, 27763), (6, 27781), (9, 27823),

Gene: Shrimp_80 Start: 28809, Stop: 29105, Start Num: 1
Candidate Starts for Shrimp_80:
(Start: 1 @28809 has 184 MA's), (2, 28860), (6, 28878), (9, 28920),

Gene: SilverDipper_81 Start: 27715, Stop: 28011, Start Num: 1

Candidate Starts for SilverDipper_81:
(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: SmallFry_80 Start: 27711, Stop: 28007, Start Num: 1
Candidate Starts for SmallFry_80:
(Start: 1 @27711 has 184 MA's), (2, 27762), (6, 27780), (9, 27822),

Gene: SoilZilla_75 Start: 27825, Stop: 28121, Start Num: 1
Candidate Starts for SoilZilla_75:
(Start: 1 @27825 has 184 MA's), (2, 27876), (6, 27894), (9, 27936),

Gene: Spec_75 Start: 27435, Stop: 27731, Start Num: 1
Candidate Starts for Spec_75:
(Start: 1 @27435 has 184 MA's), (2, 27486), (6, 27504), (9, 27546),

Gene: Specks_86 Start: 30599, Stop: 30895, Start Num: 1
Candidate Starts for Specks_86:
(Start: 1 @30599 has 184 MA's), (2, 30650), (6, 30668), (9, 30710),

Gene: Sprinklers_75 Start: 26974, Stop: 27270, Start Num: 1
Candidate Starts for Sprinklers_75:
(Start: 1 @26974 has 184 MA's), (2, 27025), (6, 27043), (9, 27085),

Gene: Spud_79 Start: 29120, Stop: 29416, Start Num: 1
Candidate Starts for Spud_79:
(Start: 1 @29120 has 184 MA's), (2, 29171), (6, 29189), (9, 29231),

Gene: SrishMeg2525_79 Start: 28516, Stop: 28812, Start Num: 1
Candidate Starts for SrishMeg2525_79:
(Start: 1 @28516 has 184 MA's), (2, 28567), (6, 28585), (9, 28627),

Gene: StephanieG_80 Start: 29504, Stop: 29800, Start Num: 1
Candidate Starts for StephanieG_80:
(Start: 1 @29504 has 184 MA's), (2, 29555), (6, 29573), (9, 29615),

Gene: Stubby_73 Start: 27223, Stop: 27519, Start Num: 1
Candidate Starts for Stubby_73:
(Start: 1 @27223 has 184 MA's), (2, 27274), (6, 27292), (9, 27334),

Gene: StubbySaigey_81 Start: 27445, Stop: 27741, Start Num: 1
Candidate Starts for StubbySaigey_81:
(Start: 1 @27445 has 184 MA's), (2, 27496), (6, 27514), (9, 27556),

Gene: Substance289_76 Start: 27185, Stop: 27481, Start Num: 1
Candidate Starts for Substance289_76:
(Start: 1 @27185 has 184 MA's), (2, 27236), (6, 27254), (9, 27296),

Gene: Tainan_84 Start: 30136, Stop: 30432, Start Num: 1
Candidate Starts for Tainan_84:
(Start: 1 @30136 has 184 MA's), (2, 30187), (6, 30205), (9, 30247),

Gene: Teardrop_80 Start: 27923, Stop: 28219, Start Num: 1
Candidate Starts for Teardrop_80:

(Start: 1 @27923 has 184 MA's), (2, 27974), (6, 27992), (9, 28034),

Gene: TinyTim_80 Start: 28805, Stop: 29101, Start Num: 1

Candidate Starts for TinyTim_80:

(Start: 1 @28805 has 184 MA's), (2, 28856), (6, 28874), (9, 28916),

Gene: Tonenili_94 Start: 32617, Stop: 32910, Start Num: 1

Candidate Starts for Tonenili_94:

(Start: 1 @32617 has 184 MA's), (2, 32668), (6, 32686), (7, 32695), (8, 32707),

Gene: Tortoise16_78 Start: 28571, Stop: 28867, Start Num: 1

Candidate Starts for Tortoise16_78:

(Start: 1 @28571 has 184 MA's), (2, 28622), (6, 28640), (9, 28682),

Gene: Trinitium_76 Start: 27230, Stop: 27526, Start Num: 1

Candidate Starts for Trinitium_76:

(Start: 1 @27230 has 184 MA's), (2, 27281), (6, 27299), (9, 27341),

Gene: Turret_75 Start: 26896, Stop: 27192, Start Num: 1

Candidate Starts for Turret_75:

(Start: 1 @26896 has 184 MA's), (2, 26947), (6, 26965), (9, 27007),

Gene: Tyke_82 Start: 29475, Stop: 29771, Start Num: 1

Candidate Starts for Tyke_82:

(Start: 1 @29475 has 184 MA's), (2, 29526), (6, 29544), (9, 29586),

Gene: ValleyTerrace_80 Start: 27715, Stop: 28011, Start Num: 1

Candidate Starts for ValleyTerrace_80:

(Start: 1 @27715 has 184 MA's), (2, 27766), (6, 27784), (9, 27826),

Gene: Vortrix_95 Start: 32569, Stop: 32862, Start Num: 1

Candidate Starts for Vortrix_95:

(Start: 1 @32569 has 184 MA's), (2, 32620), (6, 32638), (7, 32647), (8, 32659),

Gene: Wally_78 Start: 27360, Stop: 27656, Start Num: 1

Candidate Starts for Wally_78:

(Start: 1 @27360 has 184 MA's), (2, 27411), (6, 27429), (9, 27471),

Gene: Willis_81 Start: 28700, Stop: 28996, Start Num: 1

Candidate Starts for Willis_81:

(Start: 1 @28700 has 184 MA's), (2, 28751), (6, 28769), (9, 28811),

Gene: Yassified_76 Start: 27215, Stop: 27511, Start Num: 1

Candidate Starts for Yassified_76:

(Start: 1 @27215 has 184 MA's), (2, 27266), (6, 27284), (9, 27326),

Gene: YemiJoy2021_81 Start: 28802, Stop: 29098, Start Num: 1

Candidate Starts for YemiJoy2021_81:

(Start: 1 @28802 has 184 MA's), (2, 28853), (6, 28871), (9, 28913),

Gene: YoungMoneyMata_80 Start: 27466, Stop: 27762, Start Num: 1

Candidate Starts for YoungMoneyMata_80:

(Start: 1 @27466 has 184 MA's), (2, 27517), (6, 27535), (9, 27577),

Gene: Yucca_79 Start: 28727, Stop: 29023, Start Num: 1
Candidate Starts for Yucca_79:
(Start: 1 @28727 has 184 MA's), (2, 28778), (6, 28796), (9, 28838),

Gene: Zalkecks_81 Start: 28490, Stop: 28786, Start Num: 1
Candidate Starts for Zalkecks_81:
(Start: 1 @28490 has 184 MA's), (2, 28541), (6, 28559), (9, 28601),

Gene: Zeenon_81 Start: 28792, Stop: 29088, Start Num: 1
Candidate Starts for Zeenon_81:
(Start: 1 @28792 has 184 MA's), (2, 28843), (6, 28861), (9, 28903),

Gene: ZygoTaiga_79 Start: 28806, Stop: 29102, Start Num: 1
Candidate Starts for ZygoTaiga_79:
(Start: 1 @28806 has 184 MA's), (2, 28857), (6, 28875), (9, 28917),