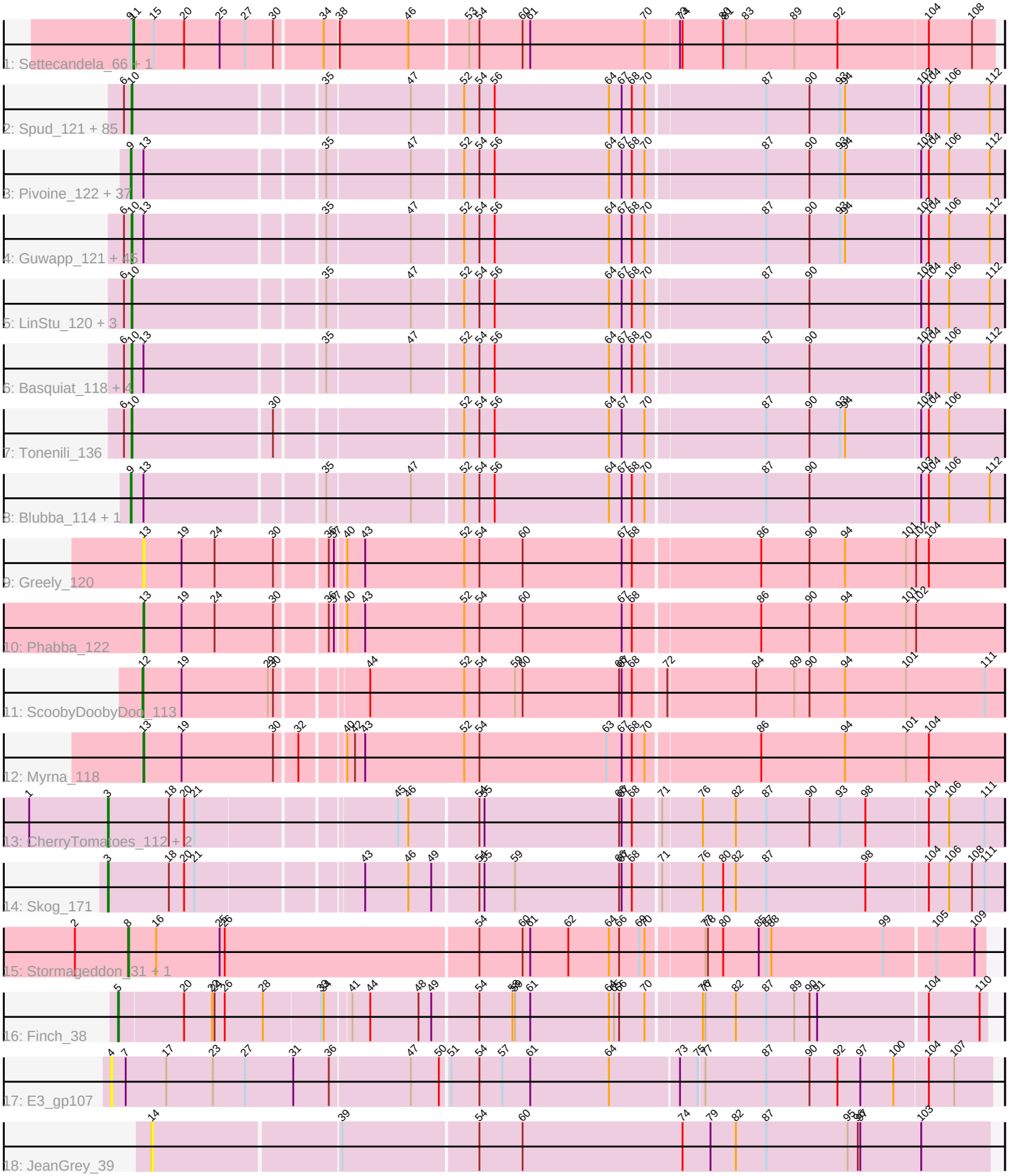
Pham 415


1: Settecandela_66 + 1
2: Spud_121 + 85
3: Pivoine_122 + 37
4: Guwapp_121 + 45
5: LinStu_120 + 3
6: Basquiat_118 + 4
7: Tonenili_136
8: Blubba_114 + 1
9: Greely_120
10: Phabba_122
11: ScoobyDoobyDoo_113
12: Myrna_118
13: CherryTomatoes_112 + 2
14: Skog_171
15: Stormageddon_131 + 1
16: Finch_38
17: E3_gp107
18: JeanGrey_39

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 415 Report

This analysis was run 04/12/24 on database version 558.

Pham number 415 has 197 members, 19 are drafts.

Phages represented in each track:
• Track 1 : Settecandela_66, Phrappuccino_66
• Track 2 : Spud_121, NedWong_123, FoxtrotP1_122, Loanshark_121, Melpomini_116, Ewok_123, Concombre_127, Jessibeth14_121, SrishMeg2525_121, JayJay_122, EggyFarm_129, Pleione_125, Dietrick_114, EmToTheThree_124, Matsumoto_118, Drazdys_120, YemiJoy2021_123, ShiaLabeouf_121, Cali_117, Issimir_120, Specks_127, Mikro_119, Izajani_122, Rahel_121, Maby2021_122, Napoleon13_118, Dandelion_127, TinyTim_122, Iota_117, Burrough_122, QBert_116, Breeniome_121, ScottMcG_118, Erdmann_122, DirtMonster_116, MikeLiesIn_123, Astraea_118, Megamind_121, BigCity_129, Bipolarisk_121, DrPhinkDaddy_121, Nappy_124, LolaVinca_122, Bread_121, Shelob_124, Shrimp_122, BackyardAgain_119, Kamryn_122, Norm_123, ParkTD_123, ZygoTaiga_120, MoMoMixon_122, Daffodil_127, Tortoise16_119, ChickenPhender_118, McWolfish_120, Bigswole_125, Zalkecks_123, Salacia_126, Pio_126, Delilah_122, FudgeTart_120, Zeenon_123, Grasshills_128, Asterius_118, Gabriel_122, Rabinovish_119, Willis_123, Ava3_123, Caravan_116, Catera_118, Delylah_125, BadAgartude_118, Lee7_119, BananaFence_121, BeanWater_114, PurduePete_122, Naval22_126, Littleton_122, Yucca_121, Bxz1_119, Wally_121, NoodleTree_129, Khaleesi_121, Teardrop_121, Rizal_117
• Track 3 : Pivoine_122, Quasimodo_124, ChaylaJr_118, Ghost_121, ValleyTerrace_123, Naija_122, Roots515_121, YoungMoneyMata_124, Janiyra_125, Amataga_123, Patter_123, CharlieB_119, CindyLou_124, InigoMontoya_124, Atlantean_122, Babyland_124, Ngannou_119, Latch_123, Trinitium_120, SilverDipper_124, Turret_118, Cactojaque_118, Adlitam_123, Capablanca_125, Flabslab_117, Nidhogg_124, Momo_122, Gizmo_127, Audrick_125, Morizzled23_123, EmmaElysia_123, JustHall_120, Bonray_123, Blackbrain_118, StubbySaigey_126, Gamgam_123, Chomp_120, Phlegm_125
• Track 4 : Guwapp_121, JPickles_119, Koguma_119, Darko_122, DTDevon_122, Sauce_122, LordLeafolot_125, Pinkcreek_113, ET08_110, ArcherS7_121, Grungle_109, Mangeria_122, Essence_119, StephanieG_120, InterFolia_128, Shaqnato_115, ErnieJ_116, Derek_121, Yassified_119, Phusco_122, Jaygup_122, SmallFry_122, Shnickers_122, Jedediah_125, Lukilu_112, Ading_122, Spec_117, JulietS_116, Kboogie_126, Sprinklers_118, Ronan_116, NuevoMundo_127, Shifa_110, RoMag_117, IkeLoa_115, Pier_126, FrayBell_127, Phox_119, Tyke_122, Stubby_114, Jemmno_122, LifeSavor_120, Bangla1971_123, LRRHood_115, McGee_124, HyRo_112
• Track 5 : LinStu_120, Sebata_122, Colt_113, I3_127
• Track 6 : Basquiat_118, EasyJones_124, Chargie21_118, Fludd_122, Alice_114

• Track 7 : Tonenili_136
• Track 8 : Blubba_114, Cane17_113
• Track 9 : Greely_120
• Track 10 : Phabba_122
• Track 11 : ScoobyDoobyDoo_113
• Track 12 : Myrna_118
• Track 13 : CherryTomatoes_112, Pupper_108, SCentae_107
• Track 14 : Skog_171
• Track 15 : Stormageddon_31, RedWattleHog_34
• Track 16 : Finch_38
• Track 17 : E3_gp107
• Track 18 : JeanGrey_39

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

The start number called the most often in the published annotations is 10, it was called in 129 of the 178 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ading_122, Alice_114, ArcherS7_121, Asterius_118, Astraea_118, Ava3_123, BackyardAgain_119, BadAgartude_118, BananaFence_121, Bangla1971_123, Basquiat_118, BeanWater_114, BigCity_129, Bigswole_125, Bipolarisk_121, Bread_121, Breeniome_121, Burrough_122, Bxz1_119, Cali_117, Caravan_116, Catera_118, Chargie21_118, ChickenPhender_118, Colt_113, Concombre_127, DTDevon_122, Daffodil_127, Dandelion_127, Darko_122, Delilah_122, Delylah_125, Derek_121, Dietrick_114, DirtMonster_116, DrPhinkDaddy_121, Drazdys_120, ET08_110, EasyJones_124, EggyFarm_129, EmToTheThree_124, Erdmann_122, ErnieJ_116, Essence_119, Ewok_123, Fludd_122, FoxtrotP1_122, FrayBell_127, FudgeTart_120, Gabriel_122, Grasshills_128, Grungle_109, Guwapp_121, HyRo_112, I3_127, IkeLoa_115, InterFolia_128, Iota_117, Issimir_120, Izajani_122, JPickles_119, JayJay_122, Jaygup_122, Jedediah_125, Jemmno_122, Jessibeth14_121, JulietS_116, Kamryn_122, Kboogie_126, Khaleesi_121, Koguma_119, LRRHood_115, Lee7_119, LifeSavor_120, LinStu_120, Littleton_122, Loanshark_121, LolaVinca_122, LordLeafolot_125, Lukilu_112, Maby2021_122, Mangeria_122, Matsumoto_118, McGee_124, McWolfish_120, Megamind_121, Melpomini_116, MikeLiesIn_123, Mikro_119, MoMoMixon_122, Napoleon13_118, Nappy_124, Naval22_126, NedWong_123, NoodleTree_129, Norm_123, NuevoMundo_127, ParkTD_123, Phox_119, Phusco_122, Pier_126, Pinkcreek_113, Pio_126, Pleione_125, PurduePete_122, QBert_116, Rabinovish_119, Rahel_121, Rizal_117, RoMag_117, Ronan_116, Salacia_126, Sauce_122, ScottMcG_118, Sebata_122, Shaqnato_115, Shelob_124, ShiaLabeouf_121, Shifa_110, Shnickers_122, Shrimp_122, SmallFry_122, Spec_117, Specks_127, Sprinklers_118, Spud_121, SrishMeg2525_121, StephanieG_120, Stubby_114, Teardrop_121, TinyTim_122, Tonenili_136, Tortoise16_119, Tyke_122, Wally_121, Willis_123, Yassified_119, YemiJoy2021_123, Yucca_121, Zalkecks_123, Zeenon_123, ZygoTaiga_120,

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

Genes that do not have the "Most Annotated" start:
• Adlitam_123, Amataga_123, Atlantean_122, Audrick_125, Babyland_124, Blackbrain_118, Blubba_114, Bonray_123, Cactojaque_118, Cane17_113, Capablanca_125, CharlieB_119, ChaylaJr_118, CherryTomatoes_112, Chomp_120, CindyLou_124, E3_gp107, EmmaElysia_123, Finch_38, Flabslab_117, Gamgam_123, Ghost_121, Gizmo_127, Greely_120, InigoMontoya_124, Janiyra_125, JeanGrey_39, JustHall_120, Latch_123, Momo_122, Morizzled23_123, Myrna_118, Naija_122, Ngannou_119, Nidhogg_124, Patter_123, Phabba_122, Phlegm_125, Phrappuccino_66, Pivoine_122, Pupper_108, Quasimodo_124, RedWattleHog_34, Roots515_121, SCentae_107, ScoobyDoobyDoo_113, Settecandela_66, SilverDipper_124, Skog_171, Stormageddon_31, StubbySaigey_126, Trinitium_120, Turret_118, ValleyTerrace_123, YoungMoneyMata_124,

Summary by start number:

Start 3:
• Found in 4 of 197 (2.0%) of genes in pham
• Manual Annotations of this start: 3 of 178
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_112 (DO), Pupper_108 (DO), SCentae_107 (DO), Skog_171 (DO),

Start 4:
• Found in 1 of 197 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: E3_gp107 (singleton),

Start 5:
• Found in 1 of 197 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 178
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finch_38 (singleton),

Start 8:
• Found in 2 of 197 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 178
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RedWattleHog_34 (DX), Stormageddon_31 (DX),

Start 9:
• Found in 42 of 197 (21.3%) of genes in pham
• Manual Annotations of this start: 38 of 178
• Called 95.2% of time when present
• Phage (with cluster) where this start called: Adlitam_123 (C1), Amataga_123 (C1), Atlantean_122 (C1), Audrick_125 (C1), Babyland_124 (C1), Blackbrain_118 (C1), Blubba_114 (C1), Bonray_123 (C1), Cactojaque_118 (C1), Cane17_113 (C1), Capablanca_125 (C1), CharlieB_119 (C1), ChaylaJr_118 (C1), Chomp_120 (C1), CindyLou_124 (C1), EmmaElysia_123 (C1), Flabslab_117 (C1), Gamgam_123 (C1), Ghost_121 (C1), Gizmo_127 (C1), InigoMontoya_124 (C1), Janiyra_125 (C1), JustHall_120 (C1), Latch_123 (C1), Momo_122 (C1), Morizzled23_123 (C1),

Naija_122 (C1), Ngannou_119 (C1), Nidhogg_124 (C1), Patter_123 (C1), Phlegm_125 (C1), Pivoine_122 (C1), Quasimodo_124 (C1), Roots515_121 (C1), SilverDipper_124 (C1), StubbySaigey_126 (C1), Trinitium_120 (C1), Turret_118 (C1), ValleyTerrace_123 (C1), YoungMoneyMata_124 (C1),

Start 10:
• Found in 142 of 197 (72.1%) of genes in pham
• Manual Annotations of this start: 129 of 178
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ading_122 (C1), Alice_114 (C1), ArcherS7_121 (C1), Asterius_118 (C1), Astraea_118 (C1), Ava3_123 (C1), BackyardAgain_119 (C1), BadAgartude_118 (C1), BananaFence_121 (C1), Bangla1971_123 (C1), Basquiat_118 (C1), BeanWater_114 (C1), BigCity_129 (C1), Bigswole_125 (C1), Bipolarisk_121 (C1), Bread_121 (C1), Breeniome_121 (C1), Burrough_122 (C1), Bxz1_119 (C1), Cali_117 (C1), Caravan_116 (C1), Catera_118 (C1), Chargie21_118 (C1), ChickenPhender_118 (C1), Colt_113 (C1), Concombre_127 (C1), DTDevon_122 (C1), Daffodil_127 (C1), Dandelion_127 (C1), Darko_122 (C1), Delilah_122 (C1), Delylah_125 (C1), Derek_121 (C1), Dietrick_114 (C1), DirtMonster_116 (C1), DrPhinkDaddy_121 (C1), Drazdys_120 (C1), ET08_110 (C1), EasyJones_124 (C1), EggyFarm_129 (C1), EmToTheThree_124 (C1), Erdmann_122 (C1), ErnieJ_116 (C1), Essence_119 (C1), Ewok_123 (C1), Fludd_122 (C1), FoxtrotP1_122 (C1), FrayBell_127 (C1), FudgeTart_120 (C1), Gabriel_122 (C1), Grasshills_128 (C1), Grungle_109 (C1), Guwapp_121 (C1), HyRo_112 (C1), I3_127 (C1), IkeLoa_115 (C1), InterFolia_128 (C1), Iota_117 (C1), Issimir_120 (C1), Izajani_122 (C1), JPickles_119 (C1), JayJay_122 (C1), Jaygup_122 (C1), Jedediah_125 (C1), Jemmno_122 (C1), Jessibeth14_121 (C1), JulietS_116 (C1), Kamryn_122 (C1), Kboogie_126 (C1), Khaleesi_121 (C1), Koguma_119 (C1), LRRHood_115 (C1), Lee7_119 (C1), LifeSavor_120 (C1), LinStu_120 (C1), Littleton_122 (C1), Loanshark_121 (C1), LolaVinca_122 (C1), LordLeafolot_125 (C1), Lukilu_112 (C1), Maby2021_122 (C1), Mangeria_122 (C1), Matsumoto_118 (C1), McGee_124 (C1), McWolfish_120 (C1), Megamind_121 (C1), Melpomini_116 (C1), MikeLiesIn_123 (C1), Mikro_119 (C1), MoMoMixon_122 (C1), Napoleon13_118 (C1), Nappy_124 (C1), Naval22_126 (C1), NedWong_123 (C1), NoodleTree_129 (C1), Norm_123 (C1), NuevoMundo_127 (C1), ParkTD_123 (C1), Phox_119 (C1), Phusco_122 (C1), Pier_126 (C1), Pinkcreek_113 (C1), Pio_126 (C1), Pleione_125 (C1), PurduePete_122 (C1), QBert_116 (C1), Rabinovish_119 (C1), Rahel_121 (C1), Rizal_117 (C1), RoMag_117 (C1), Ronan_116 (C1), Salacia_126 (C1), Sauce_122 (C1), ScottMcG_118 (C1), Sebata_122 (C1), Shaqnato_115 (C1), Shelob_124 (C1), ShiaLabeouf_121 (C1), Shifa_110 (C1), Shnickers_122 (C1), Shrimp_122 (C1), SmallFry_122 (C1), Spec_117 (C1), Specks_127 (C1), Sprinklers_118 (C1), Spud_121 (C1), SrishMeg2525_121 (C1), StephanieG_120 (C1), Stubby_114 (C1), Teardrop_121 (C1), TinyTim_122 (C1), Tonenili_136 (C1), Tortoise16_119 (C1), Tyke_122 (C1), Wally_121 (C1), Willis_123 (C1), Yassified_119 (C1), YemiJoy2021_123 (C1), Yucca_121 (C1), Zalkecks_123 (C1), Zeenon_123 (C1), ZygoTaiga_120 (C1),

Start 11:
• Found in 2 of 197 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 178
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrappuccino_66 (AA), Settecandela_66 (AA),

Start 12:
• Found in 1 of 197 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 178
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ScoobyDoobyDoo_113 (C2),

Start 13:
• Found in 94 of 197 (47.7%) of genes in pham
• Manual Annotations of this start: 2 of 178
• Called 3.2% of time when present
• Phage (with cluster) where this start called: Greely_120 (C2), Myrna_118 (C2), Phabba_122 (C2),

Start 14:
• Found in 1 of 197 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JeanGrey_39 (singleton),

Summary by clusters:

There are 6 clusters represented in this pham: AA, DO, singleton, DX, C2, C1,

Info for manual annotations of cluster AA:
•Start number 11 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster C1:
•Start number 9 was manually annotated 38 times for cluster C1.
•Start number 10 was manually annotated 129 times for cluster C1.

Info for manual annotations of cluster C2:
•Start number 12 was manually annotated 1 time for cluster C2.
•Start number 13 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster DO:
•Start number 3 was manually annotated 3 times for cluster DO.

Info for manual annotations of cluster DX:
•Start number 8 was manually annotated 2 times for cluster DX.

Gene Information:

Gene: Ading_122 Start: 63950, Stop: 64939, Start Num: 10
Candidate Starts for Ading_122:
(6, 63941), (Start: 10 @63950 has 129 MA's), (Start: 13 @63962 has 2 MA's), (35, 64160), (47, 64256), (52, 64313), (54, 64331), (56, 64349), (64, 64484), (67, 64499), (68, 64511), (70, 64526), (87, 64661), (90, 64712), (93, 64748), (94, 64754), (103, 64841), (104, 64850), (106, 64874), (112, 64922),

Gene: Adlitam_123 Start: 64446, Stop: 65435, Start Num: 9
Candidate Starts for Adlitam_123:

(Start: 9 @64446 has 38 MA's), (Start: 13 @64458 has 2 MA's), (35, 64656), (47, 64752), (52, 64809), (54, 64827), (56, 64845), (64, 64980), (67, 64995), (68, 65007), (70, 65022), (87, 65157), (90, 65208), (93, 65244), (94, 65250), (103, 65337), (104, 65346), (106, 65370), (112, 65418),

Gene: Alice_114 Start: 63256, Stop: 64245, Start Num: 10
Candidate Starts for Alice_114:
(6, 63247), (Start: 10 @63256 has 129 MA's), (Start: 13 @63268 has 2 MA's), (35, 63466), (47, 63562), (52, 63619), (54, 63637), (56, 63655), (64, 63790), (67, 63805), (68, 63817), (70, 63832), (87, 63967), (90, 64018), (103, 64147), (104, 64156), (106, 64180), (112, 64228),

Gene: Amataga_123 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for Amataga_123:
(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: ArcherS7_121 Start: 63530, Stop: 64519, Start Num: 10
Candidate Starts for ArcherS7_121:
(6, 63521), (Start: 10 @63530 has 129 MA's), (Start: 13 @63542 has 2 MA's), (35, 63740), (47, 63836), (52, 63893), (54, 63911), (56, 63929), (64, 64064), (67, 64079), (68, 64091), (70, 64106), (87, 64241), (90, 64292), (93, 64328), (94, 64334), (103, 64421), (104, 64430), (106, 64454), (112, 64502),

Gene: Asterius_118 Start: 64206, Stop: 65195, Start Num: 10
Candidate Starts for Asterius_118:
(6, 64197), (Start: 10 @64206 has 129 MA's), (35, 64416), (47, 64512), (52, 64569), (54, 64587), (56, 64605), (64, 64740), (67, 64755), (68, 64767), (70, 64782), (87, 64917), (90, 64968), (93, 65004), (94, 65010), (103, 65097), (104, 65106), (106, 65130), (112, 65178),

Gene: Astraea_118 Start: 62981, Stop: 63970, Start Num: 10
Candidate Starts for Astraea_118:
(6, 62972), (Start: 10 @62981 has 129 MA's), (35, 63191), (47, 63287), (52, 63344), (54, 63362), (56, 63380), (64, 63515), (67, 63530), (68, 63542), (70, 63557), (87, 63692), (90, 63743), (93, 63779), (94, 63785), (103, 63872), (104, 63881), (106, 63905), (112, 63953),

Gene: Atlantean_122 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for Atlantean_122:
(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: Audrick_125 Start: 63670, Stop: 64659, Start Num: 9
Candidate Starts for Audrick_125:
(Start: 9 @63670 has 38 MA's), (Start: 13 @63682 has 2 MA's), (35, 63880), (47, 63976), (52, 64033), (54, 64051), (56, 64069), (64, 64204), (67, 64219), (68, 64231), (70, 64246), (87, 64381), (90, 64432), (93, 64468), (94, 64474), (103, 64561), (104, 64570), (106, 64594), (112, 64642),

Gene: Ava3_123 Start: 64125, Stop: 65114, Start Num: 10
Candidate Starts for Ava3_123:
(6, 64116), (Start: 10 @64125 has 129 MA's), (35, 64335), (47, 64431), (52, 64488), (54, 64506), (56, 64524), (64, 64659), (67, 64674), (68, 64686), (70, 64701), (87, 64836), (90, 64887), (93, 64923), (94, 64929), (103, 65016), (104, 65025), (106, 65049), (112, 65097),

Gene: Babyland_124 Start: 63779, Stop: 64768, Start Num: 9

Candidate Starts for Babyland_124:
(Start: 9 @63779 has 38 MA's), (Start: 13 @63791 has 2 MA's), (35, 63989), (47, 64085), (52, 64142), (54, 64160), (56, 64178), (64, 64313), (67, 64328), (68, 64340), (70, 64355), (87, 64490), (90, 64541), (93, 64577), (94, 64583), (103, 64670), (104, 64679), (106, 64703), (112, 64751),

Gene: BackyardAgain_119 Start: 63128, Stop: 64117, Start Num: 10
Candidate Starts for BackyardAgain_119:
(6, 63119), (Start: 10 @63128 has 129 MA's), (35, 63338), (47, 63434), (52, 63491), (54, 63509), (56, 63527), (64, 63662), (67, 63677), (68, 63689), (70, 63704), (87, 63839), (90, 63890), (93, 63926), (94, 63932), (103, 64019), (104, 64028), (106, 64052), (112, 64100),

Gene: BadAgartude_118 Start: 64417, Stop: 65406, Start Num: 10
Candidate Starts for BadAgartude_118:
(6, 64408), (Start: 10 @64417 has 129 MA's), (35, 64627), (47, 64723), (52, 64780), (54, 64798), (56, 64816), (64, 64951), (67, 64966), (68, 64978), (70, 64993), (87, 65128), (90, 65179), (93, 65215), (94, 65221), (103, 65308), (104, 65317), (106, 65341), (112, 65389),

Gene: BananaFence_121 Start: 64381, Stop: 65370, Start Num: 10
Candidate Starts for BananaFence_121:
(6, 64372), (Start: 10 @64381 has 129 MA's), (35, 64591), (47, 64687), (52, 64744), (54, 64762), (56, 64780), (64, 64915), (67, 64930), (68, 64942), (70, 64957), (87, 65092), (90, 65143), (93, 65179), (94, 65185), (103, 65272), (104, 65281), (106, 65305), (112, 65353),

Gene: Bangla1971_123 Start: 63660, Stop: 64649, Start Num: 10
Candidate Starts for Bangla1971_123:
(6, 63651), (Start: 10 @63660 has 129 MA's), (Start: 13 @63672 has 2 MA's), (35, 63870), (47, 63966), (52, 64023), (54, 64041), (56, 64059), (64, 64194), (67, 64209), (68, 64221), (70, 64236), (87, 64371), (90, 64422), (93, 64458), (94, 64464), (103, 64551), (104, 64560), (106, 64584), (112, 64632),

Gene: Basquiat_118 Start: 62854, Stop: 63843, Start Num: 10
Candidate Starts for Basquiat_118:
(6, 62845), (Start: 10 @62854 has 129 MA's), (Start: 13 @62866 has 2 MA's), (35, 63064), (47, 63160), (52, 63217), (54, 63235), (56, 63253), (64, 63388), (67, 63403), (68, 63415), (70, 63430), (87, 63565), (90, 63616), (103, 63745), (104, 63754), (106, 63778), (112, 63826),

Gene: BeanWater_114 Start: 63979, Stop: 64968, Start Num: 10
Candidate Starts for BeanWater_114:
(6, 63970), (Start: 10 @63979 has 129 MA's), (35, 64189), (47, 64285), (52, 64342), (54, 64360), (56, 64378), (64, 64513), (67, 64528), (68, 64540), (70, 64555), (87, 64690), (90, 64741), (93, 64777), (94, 64783), (103, 64870), (104, 64879), (106, 64903), (112, 64951),

Gene: BigCity_129 Start: 66641, Stop: 67630, Start Num: 10
Candidate Starts for BigCity_129:
(6, 66632), (Start: 10 @66641 has 129 MA's), (35, 66851), (47, 66947), (52, 67004), (54, 67022), (56, 67040), (64, 67175), (67, 67190), (68, 67202), (70, 67217), (87, 67352), (90, 67403), (93, 67439), (94, 67445), (103, 67532), (104, 67541), (106, 67565), (112, 67613),

Gene: Bigswole_125 Start: 65926, Stop: 66915, Start Num: 10
Candidate Starts for Bigswole_125:
(6, 65917), (Start: 10 @65926 has 129 MA's), (35, 66136), (47, 66232), (52, 66289), (54, 66307), (56, 66325), (64, 66460), (67, 66475), (68, 66487), (70, 66502), (87, 66637), (90, 66688), (93, 66724), (94, 66730), (103, 66817), (104, 66826), (106, 66850), (112, 66898),

Gene: Bipolarisk_121 Start: 64383, Stop: 65372, Start Num: 10
Candidate Starts for Bipolarisk_121:
(6, 64374), (Start: 10 @64383 has 129 MA's), (35, 64593), (47, 64689), (52, 64746), (54, 64764), (56, 64782), (64, 64917), (67, 64932), (68, 64944), (70, 64959), (87, 65094), (90, 65145), (93, 65181), (94, 65187), (103, 65274), (104, 65283), (106, 65307), (112, 65355),

Gene: Blackbrain_118 Start: 63154, Stop: 64143, Start Num: 9
Candidate Starts for Blackbrain_118:
(Start: 9 @63154 has 38 MA's), (Start: 13 @63166 has 2 MA's), (35, 63364), (47, 63460), (52, 63517), (54, 63535), (56, 63553), (64, 63688), (67, 63703), (68, 63715), (70, 63730), (87, 63865), (90, 63916), (93, 63952), (94, 63958), (103, 64045), (104, 64054), (106, 64078), (112, 64126),

Gene: Blubba_114 Start: 64896, Stop: 65885, Start Num: 9
Candidate Starts for Blubba_114:
(Start: 9 @64896 has 38 MA's), (Start: 13 @64908 has 2 MA's), (35, 65106), (47, 65202), (52, 65259), (54, 65277), (56, 65295), (64, 65430), (67, 65445), (68, 65457), (70, 65472), (87, 65607), (90, 65658), (103, 65787), (104, 65796), (106, 65820), (112, 65868),

Gene: Bonray_123 Start: 65035, Stop: 66024, Start Num: 9
Candidate Starts for Bonray_123:
(Start: 9 @65035 has 38 MA's), (Start: 13 @65047 has 2 MA's), (35, 65245), (47, 65341), (52, 65398), (54, 65416), (56, 65434), (64, 65569), (67, 65584), (68, 65596), (70, 65611), (87, 65746), (90, 65797), (93, 65833), (94, 65839), (103, 65926), (104, 65935), (106, 65959), (112, 66007),

Gene: Bread_121 Start: 64211, Stop: 65200, Start Num: 10
Candidate Starts for Bread_121:
(6, 64202), (Start: 10 @64211 has 129 MA's), (35, 64421), (47, 64517), (52, 64574), (54, 64592), (56, 64610), (64, 64745), (67, 64760), (68, 64772), (70, 64787), (87, 64922), (90, 64973), (93, 65009), (94, 65015), (103, 65102), (104, 65111), (106, 65135), (112, 65183),

Gene: Breeniome_121 Start: 62559, Stop: 63548, Start Num: 10
Candidate Starts for Breeniome_121:
(6, 62550), (Start: 10 @62559 has 129 MA's), (35, 62769), (47, 62865), (52, 62922), (54, 62940), (56, 62958), (64, 63093), (67, 63108), (68, 63120), (70, 63135), (87, 63270), (90, 63321), (93, 63357), (94, 63363), (103, 63450), (104, 63459), (106, 63483), (112, 63531),

Gene: Burrough_122 Start: 64710, Stop: 65699, Start Num: 10
Candidate Starts for Burrough_122:
(6, 64701), (Start: 10 @64710 has 129 MA's), (35, 64920), (47, 65016), (52, 65073), (54, 65091), (56, 65109), (64, 65244), (67, 65259), (68, 65271), (70, 65286), (87, 65421), (90, 65472), (93, 65508), (94, 65514), (103, 65601), (104, 65610), (106, 65634), (112, 65682),

Gene: Bxz1_119 Start: 65913, Stop: 66902, Start Num: 10
Candidate Starts for Bxz1_119:
(6, 65904), (Start: 10 @65913 has 129 MA's), (35, 66123), (47, 66219), (52, 66276), (54, 66294), (56, 66312), (64, 66447), (67, 66462), (68, 66474), (70, 66489), (87, 66624), (90, 66675), (93, 66711), (94, 66717), (103, 66804), (104, 66813), (106, 66837), (112, 66885),

Gene: Cactojaque_118 Start: 63261, Stop: 64250, Start Num: 9
Candidate Starts for Cactojaque_118:
(Start: 9 @63261 has 38 MA's), (Start: 13 @63273 has 2 MA's), (35, 63471), (47, 63567), (52, 63624), (54, 63642), (56, 63660), (64, 63795), (67, 63810), (68, 63822), (70, 63837), (87, 63972), (90, 64023), (93, 64059), (94, 64065), (103, 64152), (104, 64161), (106, 64185), (112, 64233),

Gene: Cali_117 Start: 64712, Stop: 65701, Start Num: 10
Candidate Starts for Cali_117:
(6, 64703), (Start: 10 @64712 has 129 MA's), (35, 64922), (47, 65018), (52, 65075), (54, 65093), (56, 65111), (64, 65246), (67, 65261), (68, 65273), (70, 65288), (87, 65423), (90, 65474), (93, 65510), (94, 65516), (103, 65603), (104, 65612), (106, 65636), (112, 65684),

Gene: Cane17_113 Start: 64954, Stop: 65943, Start Num: 9
Candidate Starts for Cane17_113:
(Start: 9 @64954 has 38 MA's), (Start: 13 @64966 has 2 MA's), (35, 65164), (47, 65260), (52, 65317), (54, 65335), (56, 65353), (64, 65488), (67, 65503), (68, 65515), (70, 65530), (87, 65665), (90, 65716), (103, 65845), (104, 65854), (106, 65878), (112, 65926),

Gene: Capablanca_125 Start: 65441, Stop: 66430, Start Num: 9
Candidate Starts for Capablanca_125:
(Start: 9 @65441 has 38 MA's), (Start: 13 @65453 has 2 MA's), (35, 65651), (47, 65747), (52, 65804), (54, 65822), (56, 65840), (64, 65975), (67, 65990), (68, 66002), (70, 66017), (87, 66152), (90, 66203), (93, 66239), (94, 66245), (103, 66332), (104, 66341), (106, 66365), (112, 66413),

Gene: Caravan_116 Start: 64069, Stop: 65058, Start Num: 10
Candidate Starts for Caravan_116:
(6, 64060), (Start: 10 @64069 has 129 MA's), (35, 64279), (47, 64375), (52, 64432), (54, 64450), (56, 64468), (64, 64603), (67, 64618), (68, 64630), (70, 64645), (87, 64780), (90, 64831), (93, 64867), (94, 64873), (103, 64960), (104, 64969), (106, 64993), (112, 65041),

Gene: Catera_118 Start: 62986, Stop: 63975, Start Num: 10
Candidate Starts for Catera_118:
(6, 62977), (Start: 10 @62986 has 129 MA's), (35, 63196), (47, 63292), (52, 63349), (54, 63367), (56, 63385), (64, 63520), (67, 63535), (68, 63547), (70, 63562), (87, 63697), (90, 63748), (93, 63784), (94, 63790), (103, 63877), (104, 63886), (106, 63910), (112, 63958),

Gene: Chargie21_118 Start: 62854, Stop: 63843, Start Num: 10
Candidate Starts for Chargie21_118:
(6, 62845), (Start: 10 @62854 has 129 MA's), (Start: 13 @62866 has 2 MA's), (35, 63064), (47, 63160), (52, 63217), (54, 63235), (56, 63253), (64, 63388), (67, 63403), (68, 63415), (70, 63430), (87, 63565), (90, 63616), (103, 63745), (104, 63754), (106, 63778), (112, 63826),

Gene: CharlieB_119 Start: 63595, Stop: 64584, Start Num: 9
Candidate Starts for CharlieB_119:
(Start: 9 @63595 has 38 MA's), (Start: 13 @63607 has 2 MA's), (35, 63805), (47, 63901), (52, 63958), (54, 63976), (56, 63994), (64, 64129), (67, 64144), (68, 64156), (70, 64171), (87, 64306), (90, 64357), (93, 64393), (94, 64399), (103, 64486), (104, 64495), (106, 64519), (112, 64567),

Gene: ChaylaJr_118 Start: 63087, Stop: 64076, Start Num: 9
Candidate Starts for ChaylaJr_118:
(Start: 9 @63087 has 38 MA's), (Start: 13 @63099 has 2 MA's), (35, 63297), (47, 63393), (52, 63450), (54, 63468), (56, 63486), (64, 63621), (67, 63636), (68, 63648), (70, 63663), (87, 63798), (90, 63849), (93, 63885), (94, 63891), (103, 63978), (104, 63987), (106, 64011), (112, 64059),

Gene: CherryTomatoes_112 Start: 63808, Stop: 64827, Start Num: 3
Candidate Starts for CherryTomatoes_112:
(1, 63715), (Start: 3 @63808 has 3 MA's), (18, 63880), (20, 63898), (21, 63910), (45, 64129), (46, 64141), (54, 64219), (55, 64225), (66, 64384), (67, 64387), (68, 64399), (71, 64429), (76, 64474), (82,

64513), (87, 64549), (90, 64600), (93, 64636), (98, 64666), (104, 64738), (106, 64762), (111, 64804),

Gene: ChickenPhender_118 Start: 62911, Stop: 63900, Start Num: 10
Candidate Starts for ChickenPhender_118:
(6, 62902), (Start: 10 @62911 has 129 MA's), (35, 63121), (47, 63217), (52, 63274), (54, 63292), (56, 63310), (64, 63445), (67, 63460), (68, 63472), (70, 63487), (87, 63622), (90, 63673), (93, 63709), (94, 63715), (103, 63802), (104, 63811), (106, 63835), (112, 63883),

Gene: Chomp_120 Start: 64980, Stop: 65969, Start Num: 9
Candidate Starts for Chomp_120:
(Start: 9 @64980 has 38 MA's), (Start: 13 @64992 has 2 MA's), (35, 65190), (47, 65286), (52, 65343), (54, 65361), (56, 65379), (64, 65514), (67, 65529), (68, 65541), (70, 65556), (87, 65691), (90, 65742), (93, 65778), (94, 65784), (103, 65871), (104, 65880), (106, 65904), (112, 65952),

Gene: CindyLou_124 Start: 65020, Stop: 66009, Start Num: 9
Candidate Starts for CindyLou_124:
(Start: 9 @65020 has 38 MA's), (Start: 13 @65032 has 2 MA's), (35, 65230), (47, 65326), (52, 65383), (54, 65401), (56, 65419), (64, 65554), (67, 65569), (68, 65581), (70, 65596), (87, 65731), (90, 65782), (93, 65818), (94, 65824), (103, 65911), (104, 65920), (106, 65944), (112, 65992),

Gene: Colt_113 Start: 65071, Stop: 66060, Start Num: 10
Candidate Starts for Colt_113:
(6, 65062), (Start: 10 @65071 has 129 MA's), (35, 65281), (47, 65377), (52, 65434), (54, 65452), (56, 65470), (64, 65605), (67, 65620), (68, 65632), (70, 65647), (87, 65782), (90, 65833), (103, 65962), (104, 65971), (106, 65995), (112, 66043),

Gene: Concombre_127 Start: 66874, Stop: 67863, Start Num: 10
Candidate Starts for Concombre_127:
(6, 66865), (Start: 10 @66874 has 129 MA's), (35, 67084), (47, 67180), (52, 67237), (54, 67255), (56, 67273), (64, 67408), (67, 67423), (68, 67435), (70, 67450), (87, 67585), (90, 67636), (93, 67672), (94, 67678), (103, 67765), (104, 67774), (106, 67798), (112, 67846),

Gene: DTDevon_122 Start: 64752, Stop: 65741, Start Num: 10
Candidate Starts for DTDevon_122:
(6, 64743), (Start: 10 @64752 has 129 MA's), (Start: 13 @64764 has 2 MA's), (35, 64962), (47, 65058), (52, 65115), (54, 65133), (56, 65151), (64, 65286), (67, 65301), (68, 65313), (70, 65328), (87, 65463), (90, 65514), (93, 65550), (94, 65556), (103, 65643), (104, 65652), (106, 65676), (112, 65724),

Gene: Daffodil_127 Start: 64683, Stop: 65672, Start Num: 10
Candidate Starts for Daffodil_127:
(6, 64674), (Start: 10 @64683 has 129 MA's), (35, 64893), (47, 64989), (52, 65046), (54, 65064), (56, 65082), (64, 65217), (67, 65232), (68, 65244), (70, 65259), (87, 65394), (90, 65445), (93, 65481), (94, 65487), (103, 65574), (104, 65583), (106, 65607), (112, 65655),

Gene: Dandelion_127 Start: 66875, Stop: 67864, Start Num: 10
Candidate Starts for Dandelion_127:
(6, 66866), (Start: 10 @66875 has 129 MA's), (35, 67085), (47, 67181), (52, 67238), (54, 67256), (56, 67274), (64, 67409), (67, 67424), (68, 67436), (70, 67451), (87, 67586), (90, 67637), (93, 67673), (94, 67679), (103, 67766), (104, 67775), (106, 67799), (112, 67847),

Gene: Darko_122 Start: 64385, Stop: 65374, Start Num: 10
Candidate Starts for Darko_122:

(6, 64376), (Start: 10 @64385 has 129 MA's), (Start: 13 @64397 has 2 MA's), (35, 64595), (47, 64691), (52, 64748), (54, 64766), (56, 64784), (64, 64919), (67, 64934), (68, 64946), (70, 64961), (87, 65096), (90, 65147), (93, 65183), (94, 65189), (103, 65276), (104, 65285), (106, 65309), (112, 65357),

Gene: Delilah_122 Start: 64837, Stop: 65826, Start Num: 10
Candidate Starts for Delilah_122:
(6, 64828), (Start: 10 @64837 has 129 MA's), (35, 65047), (47, 65143), (52, 65200), (54, 65218), (56, 65236), (64, 65371), (67, 65386), (68, 65398), (70, 65413), (87, 65548), (90, 65599), (93, 65635), (94, 65641), (103, 65728), (104, 65737), (106, 65761), (112, 65809),

Gene: Delylah_125 Start: 64376, Stop: 65365, Start Num: 10
Candidate Starts for Delylah_125:
(6, 64367), (Start: 10 @64376 has 129 MA's), (35, 64586), (47, 64682), (52, 64739), (54, 64757), (56, 64775), (64, 64910), (67, 64925), (68, 64937), (70, 64952), (87, 65087), (90, 65138), (93, 65174), (94, 65180), (103, 65267), (104, 65276), (106, 65300), (112, 65348),

Gene: Derek_121 Start: 64302, Stop: 65291, Start Num: 10
Candidate Starts for Derek_121:
(6, 64293), (Start: 10 @64302 has 129 MA's), (Start: 13 @64314 has 2 MA's), (35, 64512), (47, 64608), (52, 64665), (54, 64683), (56, 64701), (64, 64836), (67, 64851), (68, 64863), (70, 64878), (87, 65013), (90, 65064), (93, 65100), (94, 65106), (103, 65193), (104, 65202), (106, 65226), (112, 65274),

Gene: Dietrick_114 Start: 62378, Stop: 63367, Start Num: 10
Candidate Starts for Dietrick_114:
(6, 62369), (Start: 10 @62378 has 129 MA's), (35, 62588), (47, 62684), (52, 62741), (54, 62759), (56, 62777), (64, 62912), (67, 62927), (68, 62939), (70, 62954), (87, 63089), (90, 63140), (93, 63176), (94, 63182), (103, 63269), (104, 63278), (106, 63302), (112, 63350),

Gene: DirtMonster_116 Start: 63636, Stop: 64625, Start Num: 10
Candidate Starts for DirtMonster_116:
(6, 63627), (Start: 10 @63636 has 129 MA's), (35, 63846), (47, 63942), (52, 63999), (54, 64017), (56, 64035), (64, 64170), (67, 64185), (68, 64197), (70, 64212), (87, 64347), (90, 64398), (93, 64434), (94, 64440), (103, 64527), (104, 64536), (106, 64560), (112, 64608),

Gene: DrPhinkDaddy_121 Start: 64905, Stop: 65894, Start Num: 10
Candidate Starts for DrPhinkDaddy_121:
(6, 64896), (Start: 10 @64905 has 129 MA's), (35, 65115), (47, 65211), (52, 65268), (54, 65286), (56, 65304), (64, 65439), (67, 65454), (68, 65466), (70, 65481), (87, 65616), (90, 65667), (93, 65703), (94, 65709), (103, 65796), (104, 65805), (106, 65829), (112, 65877),

Gene: Drazdys_120 Start: 63366, Stop: 64355, Start Num: 10
Candidate Starts for Drazdys_120:
(6, 63357), (Start: 10 @63366 has 129 MA's), (35, 63576), (47, 63672), (52, 63729), (54, 63747), (56, 63765), (64, 63900), (67, 63915), (68, 63927), (70, 63942), (87, 64077), (90, 64128), (93, 64164), (94, 64170), (103, 64257), (104, 64266), (106, 64290), (112, 64338),

Gene: E3_gp107 Start: 62826, Stop: 63836, Start Num: 4
Candidate Starts for E3_gp107:
(4, 62826), (7, 62841), (17, 62886), (23, 62940), (27, 62976), (31, 63033), (36, 63075), (47, 63168), (50, 63201), (51, 63210), (54, 63243), (57, 63270), (61, 63303), (64, 63396), (73, 63474), (75, 63495), (77, 63501), (87, 63573), (90, 63624), (92, 63657), (97, 63684), (100, 63723), (104, 63762), (107, 63792),

Gene: ET08_110 Start: 63366, Stop: 64355, Start Num: 10
Candidate Starts for ET08_110:
(6, 63357), (Start: 10 @63366 has 129 MA's), (Start: 13 @63378 has 2 MA's), (35, 63576), (47, 63672), (52, 63729), (54, 63747), (56, 63765), (64, 63900), (67, 63915), (68, 63927), (70, 63942), (87, 64077), (90, 64128), (93, 64164), (94, 64170), (103, 64257), (104, 64266), (106, 64290), (112, 64338),

Gene: EasyJones_124 Start: 63508, Stop: 64497, Start Num: 10
Candidate Starts for EasyJones_124:
(6, 63499), (Start: 10 @63508 has 129 MA's), (Start: 13 @63520 has 2 MA's), (35, 63718), (47, 63814), (52, 63871), (54, 63889), (56, 63907), (64, 64042), (67, 64057), (68, 64069), (70, 64084), (87, 64219), (90, 64270), (103, 64399), (104, 64408), (106, 64432), (112, 64480),

Gene: EggyFarm_129 Start: 66641, Stop: 67630, Start Num: 10
Candidate Starts for EggyFarm_129:
(6, 66632), (Start: 10 @66641 has 129 MA's), (35, 66851), (47, 66947), (52, 67004), (54, 67022), (56, 67040), (64, 67175), (67, 67190), (68, 67202), (70, 67217), (87, 67352), (90, 67403), (93, 67439), (94, 67445), (103, 67532), (104, 67541), (106, 67565), (112, 67613),

Gene: EmToTheThree_124 Start: 65645, Stop: 66634, Start Num: 10
Candidate Starts for EmToTheThree_124:
(6, 65636), (Start: 10 @65645 has 129 MA's), (35, 65855), (47, 65951), (52, 66008), (54, 66026), (56, 66044), (64, 66179), (67, 66194), (68, 66206), (70, 66221), (87, 66356), (90, 66407), (93, 66443), (94, 66449), (103, 66536), (104, 66545), (106, 66569), (112, 66617),

Gene: EmmaElysia_123 Start: 63910, Stop: 64899, Start Num: 9
Candidate Starts for EmmaElysia_123:
(Start: 9 @63910 has 38 MA's), (Start: 13 @63922 has 2 MA's), (35, 64120), (47, 64216), (52, 64273), (54, 64291), (56, 64309), (64, 64444), (67, 64459), (68, 64471), (70, 64486), (87, 64621), (90, 64672), (93, 64708), (94, 64714), (103, 64801), (104, 64810), (106, 64834), (112, 64882),

Gene: Erdmann_122 Start: 64684, Stop: 65673, Start Num: 10
Candidate Starts for Erdmann_122:
(6, 64675), (Start: 10 @64684 has 129 MA's), (35, 64894), (47, 64990), (52, 65047), (54, 65065), (56, 65083), (64, 65218), (67, 65233), (68, 65245), (70, 65260), (87, 65395), (90, 65446), (93, 65482), (94, 65488), (103, 65575), (104, 65584), (106, 65608), (112, 65656),

Gene: ErnieJ_116 Start: 62663, Stop: 63652, Start Num: 10
Candidate Starts for ErnieJ_116:
(6, 62654), (Start: 10 @62663 has 129 MA's), (Start: 13 @62675 has 2 MA's), (35, 62873), (47, 62969), (52, 63026), (54, 63044), (56, 63062), (64, 63197), (67, 63212), (68, 63224), (70, 63239), (87, 63374), (90, 63425), (93, 63461), (94, 63467), (103, 63554), (104, 63563), (106, 63587), (112, 63635),

Gene: Essence_119 Start: 63532, Stop: 64521, Start Num: 10
Candidate Starts for Essence_119:
(6, 63523), (Start: 10 @63532 has 129 MA's), (Start: 13 @63544 has 2 MA's), (35, 63742), (47, 63838), (52, 63895), (54, 63913), (56, 63931), (64, 64066), (67, 64081), (68, 64093), (70, 64108), (87, 64243), (90, 64294), (93, 64330), (94, 64336), (103, 64423), (104, 64432), (106, 64456), (112, 64504),

Gene: Ewok_123 Start: 64071, Stop: 65060, Start Num: 10
Candidate Starts for Ewok_123:
(6, 64062), (Start: 10 @64071 has 129 MA's), (35, 64281), (47, 64377), (52, 64434), (54, 64452), (56, 64470), (64, 64605), (67, 64620), (68, 64632), (70, 64647), (87, 64782), (90, 64833), (93, 64869), (94, 64875), (103, 64962), (104, 64971), (106, 64995), (112, 65043),

Gene: Finch_38 Start: 31374, Stop: 32366, Start Num: 5
Candidate Starts for Finch_38:
(Start: 5 @31374 has 1 MA's), (20, 31449), (22, 31482), (24, 31485), (26, 31497), (28, 31542), (33, 31608), (34, 31611), (41, 31638), (44, 31659), (48, 31716), (49, 31731), (54, 31782), (58, 31821), (59, 31824), (61, 31842), (64, 31935), (65, 31941), (66, 31947), (70, 31977), (76, 32037), (77, 32040), (82, 32076), (87, 32112), (89, 32145), (90, 32163), (91, 32172), (104, 32298), (110, 32358),

Gene: Flabslab_117 Start: 62243, Stop: 63232, Start Num: 9
Candidate Starts for Flabslab_117:
(Start: 9 @62243 has 38 MA's), (Start: 13 @62255 has 2 MA's), (35, 62453), (47, 62549), (52, 62606), (54, 62624), (56, 62642), (64, 62777), (67, 62792), (68, 62804), (70, 62819), (87, 62954), (90, 63005), (93, 63041), (94, 63047), (103, 63134), (104, 63143), (106, 63167), (112, 63215),

Gene: Fludd_122 Start: 63294, Stop: 64283, Start Num: 10
Candidate Starts for Fludd_122:
(6, 63285), (Start: 10 @63294 has 129 MA's), (Start: 13 @63306 has 2 MA's), (35, 63504), (47, 63600), (52, 63657), (54, 63675), (56, 63693), (64, 63828), (67, 63843), (68, 63855), (70, 63870), (87, 64005), (90, 64056), (103, 64185), (104, 64194), (106, 64218), (112, 64266),

Gene: FoxtrotP1_122 Start: 65854, Stop: 66843, Start Num: 10
Candidate Starts for FoxtrotP1_122:
(6, 65845), (Start: 10 @65854 has 129 MA's), (35, 66064), (47, 66160), (52, 66217), (54, 66235), (56, 66253), (64, 66388), (67, 66403), (68, 66415), (70, 66430), (87, 66565), (90, 66616), (93, 66652), (94, 66658), (103, 66745), (104, 66754), (106, 66778), (112, 66826),

Gene: FrayBell_127 Start: 65018, Stop: 66007, Start Num: 10
Candidate Starts for FrayBell_127:
(6, 65009), (Start: 10 @65018 has 129 MA's), (Start: 13 @65030 has 2 MA's), (35, 65228), (47, 65324), (52, 65381), (54, 65399), (56, 65417), (64, 65552), (67, 65567), (68, 65579), (70, 65594), (87, 65729), (90, 65780), (93, 65816), (94, 65822), (103, 65909), (104, 65918), (106, 65942), (112, 65990),

Gene: FudgeTart_120 Start: 63714, Stop: 64703, Start Num: 10
Candidate Starts for FudgeTart_120:
(6, 63705), (Start: 10 @63714 has 129 MA's), (35, 63924), (47, 64020), (52, 64077), (54, 64095), (56, 64113), (64, 64248), (67, 64263), (68, 64275), (70, 64290), (87, 64425), (90, 64476), (93, 64512), (94, 64518), (103, 64605), (104, 64614), (106, 64638), (112, 64686),

Gene: Gabriel_122 Start: 62938, Stop: 63927, Start Num: 10
Candidate Starts for Gabriel_122:
(6, 62929), (Start: 10 @62938 has 129 MA's), (35, 63148), (47, 63244), (52, 63301), (54, 63319), (56, 63337), (64, 63472), (67, 63487), (68, 63499), (70, 63514), (87, 63649), (90, 63700), (93, 63736), (94, 63742), (103, 63829), (104, 63838), (106, 63862), (112, 63910),

Gene: Gamgam_123 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for Gamgam_123:
(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: Ghost_121 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for Ghost_121:

(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: Gizmo_127 Start: 66313, Stop: 67302, Start Num: 9
Candidate Starts for Gizmo_127:
(Start: 9 @66313 has 38 MA's), (Start: 13 @66325 has 2 MA's), (35, 66523), (47, 66619), (52, 66676), (54, 66694), (56, 66712), (64, 66847), (67, 66862), (68, 66874), (70, 66889), (87, 67024), (90, 67075), (93, 67111), (94, 67117), (103, 67204), (104, 67213), (106, 67237), (112, 67285),

Gene: Grasshills_128 Start: 66641, Stop: 67630, Start Num: 10
Candidate Starts for Grasshills_128:
(6, 66632), (Start: 10 @66641 has 129 MA's), (35, 66851), (47, 66947), (52, 67004), (54, 67022), (56, 67040), (64, 67175), (67, 67190), (68, 67202), (70, 67217), (87, 67352), (90, 67403), (93, 67439), (94, 67445), (103, 67532), (104, 67541), (106, 67565), (112, 67613),

Gene: Greely_120 Start: 65384, Stop: 66373, Start Num: 13
Candidate Starts for Greely_120:
(Start: 13 @65384 has 2 MA's), (19, 65429), (24, 65468), (30, 65537), (36, 65591), (37, 65597), (40, 65606), (43, 65627), (52, 65744), (54, 65762), (60, 65813), (67, 65930), (68, 65942), (86, 66086), (90, 66143), (94, 66185), (101, 66257), (102, 66269), (104, 66284),

Gene: Grungle_109 Start: 60956, Stop: 61945, Start Num: 10
Candidate Starts for Grungle_109:
(6, 60947), (Start: 10 @60956 has 129 MA's), (Start: 13 @60968 has 2 MA's), (35, 61166), (47, 61262), (52, 61319), (54, 61337), (56, 61355), (64, 61490), (67, 61505), (68, 61517), (70, 61532), (87, 61667), (90, 61718), (93, 61754), (94, 61760), (103, 61847), (104, 61856), (106, 61880), (112, 61928),

Gene: Guwapp_121 Start: 63103, Stop: 64092, Start Num: 10
Candidate Starts for Guwapp_121:
(6, 63094), (Start: 10 @63103 has 129 MA's), (Start: 13 @63115 has 2 MA's), (35, 63313), (47, 63409), (52, 63466), (54, 63484), (56, 63502), (64, 63637), (67, 63652), (68, 63664), (70, 63679), (87, 63814), (90, 63865), (93, 63901), (94, 63907), (103, 63994), (104, 64003), (106, 64027), (112, 64075),

Gene: HyRo_112 Start: 63219, Stop: 64208, Start Num: 10
Candidate Starts for HyRo_112:
(6, 63210), (Start: 10 @63219 has 129 MA's), (Start: 13 @63231 has 2 MA's), (35, 63429), (47, 63525), (52, 63582), (54, 63600), (56, 63618), (64, 63753), (67, 63768), (68, 63780), (70, 63795), (87, 63930), (90, 63981), (93, 64017), (94, 64023), (103, 64110), (104, 64119), (106, 64143), (112, 64191),

Gene: I3_127 Start: 65169, Stop: 66158, Start Num: 10
Candidate Starts for I3_127:
(6, 65160), (Start: 10 @65169 has 129 MA's), (35, 65379), (47, 65475), (52, 65532), (54, 65550), (56, 65568), (64, 65703), (67, 65718), (68, 65730), (70, 65745), (87, 65880), (90, 65931), (103, 66060), (104, 66069), (106, 66093), (112, 66141),

Gene: IkeLoa_115 Start: 63039, Stop: 64028, Start Num: 10
Candidate Starts for IkeLoa_115:
(6, 63030), (Start: 10 @63039 has 129 MA's), (Start: 13 @63051 has 2 MA's), (35, 63249), (47, 63345), (52, 63402), (54, 63420), (56, 63438), (64, 63573), (67, 63588), (68, 63600), (70, 63615), (87, 63750), (90, 63801), (93, 63837), (94, 63843), (103, 63930), (104, 63939), (106, 63963), (112, 64011),

Gene: InigoMontoya_124 Start: 63652, Stop: 64641, Start Num: 9

Candidate Starts for InigoMontoya_124:
(Start: 9 @63652 has 38 MA's), (Start: 13 @63664 has 2 MA's), (35, 63862), (47, 63958), (52, 64015), (54, 64033), (56, 64051), (64, 64186), (67, 64201), (68, 64213), (70, 64228), (87, 64363), (90, 64414), (93, 64450), (94, 64456), (103, 64543), (104, 64552), (106, 64576), (112, 64624),

Gene: InterFolia_128 Start: 65953, Stop: 66942, Start Num: 10
Candidate Starts for InterFolia_128:
(6, 65944), (Start: 10 @65953 has 129 MA's), (Start: 13 @65965 has 2 MA's), (35, 66163), (47, 66259), (52, 66316), (54, 66334), (56, 66352), (64, 66487), (67, 66502), (68, 66514), (70, 66529), (87, 66664), (90, 66715), (93, 66751), (94, 66757), (103, 66844), (104, 66853), (106, 66877), (112, 66925),

Gene: Iota_117 Start: 63650, Stop: 64639, Start Num: 10
Candidate Starts for Iota_117:
(6, 63641), (Start: 10 @63650 has 129 MA's), (35, 63860), (47, 63956), (52, 64013), (54, 64031), (56, 64049), (64, 64184), (67, 64199), (68, 64211), (70, 64226), (87, 64361), (90, 64412), (93, 64448), (94, 64454), (103, 64541), (104, 64550), (106, 64574), (112, 64622),

Gene: Issimir_120 Start: 64658, Stop: 65647, Start Num: 10
Candidate Starts for Issimir_120:
(6, 64649), (Start: 10 @64658 has 129 MA's), (35, 64868), (47, 64964), (52, 65021), (54, 65039), (56, 65057), (64, 65192), (67, 65207), (68, 65219), (70, 65234), (87, 65369), (90, 65420), (93, 65456), (94, 65462), (103, 65549), (104, 65558), (106, 65582), (112, 65630),

Gene: Izajani_122 Start: 64864, Stop: 65853, Start Num: 10
Candidate Starts for Izajani_122:
(6, 64855), (Start: 10 @64864 has 129 MA's), (35, 65074), (47, 65170), (52, 65227), (54, 65245), (56, 65263), (64, 65398), (67, 65413), (68, 65425), (70, 65440), (87, 65575), (90, 65626), (93, 65662), (94, 65668), (103, 65755), (104, 65764), (106, 65788), (112, 65836),

Gene: JPickles_119 Start: 62443, Stop: 63432, Start Num: 10
Candidate Starts for JPickles_119:
(6, 62434), (Start: 10 @62443 has 129 MA's), (Start: 13 @62455 has 2 MA's), (35, 62653), (47, 62749), (52, 62806), (54, 62824), (56, 62842), (64, 62977), (67, 62992), (68, 63004), (70, 63019), (87, 63154), (90, 63205), (93, 63241), (94, 63247), (103, 63334), (104, 63343), (106, 63367), (112, 63415),

Gene: Janiyra_125 Start: 64618, Stop: 65607, Start Num: 9
Candidate Starts for Janiyra_125:
(Start: 9 @64618 has 38 MA's), (Start: 13 @64630 has 2 MA's), (35, 64828), (47, 64924), (52, 64981), (54, 64999), (56, 65017), (64, 65152), (67, 65167), (68, 65179), (70, 65194), (87, 65329), (90, 65380), (93, 65416), (94, 65422), (103, 65509), (104, 65518), (106, 65542), (112, 65590),

Gene: JayJay_122 Start: 65649, Stop: 66638, Start Num: 10
Candidate Starts for JayJay_122:
(6, 65640), (Start: 10 @65649 has 129 MA's), (35, 65859), (47, 65955), (52, 66012), (54, 66030), (56, 66048), (64, 66183), (67, 66198), (68, 66210), (70, 66225), (87, 66360), (90, 66411), (93, 66447), (94, 66453), (103, 66540), (104, 66549), (106, 66573), (112, 66621),

Gene: Jaygup_122 Start: 63968, Stop: 64957, Start Num: 10
Candidate Starts for Jaygup_122:
(6, 63959), (Start: 10 @63968 has 129 MA's), (Start: 13 @63980 has 2 MA's), (35, 64178), (47, 64274), (52, 64331), (54, 64349), (56, 64367), (64, 64502), (67, 64517), (68, 64529), (70, 64544), (87, 64679), (90, 64730), (93, 64766), (94, 64772), (103, 64859), (104, 64868), (106, 64892), (112, 64940),

Gene: JeanGrey_39 Start: 27223, Stop: 28194, Start Num: 14
Candidate Starts for JeanGrey_39:
(14, 27223), (39, 27436), (54, 27592), (60, 27643), (74, 27832), (79, 27865), (82, 27895), (87, 27931), (95, 28027), (96, 28039), (97, 28042), (103, 28114),

Gene: Jedediah_125 Start: 64501, Stop: 65490, Start Num: 10
Candidate Starts for Jedediah_125:
(6, 64492), (Start: 10 @64501 has 129 MA's), (Start: 13 @64513 has 2 MA's), (35, 64711), (47, 64807), (52, 64864), (54, 64882), (56, 64900), (64, 65035), (67, 65050), (68, 65062), (70, 65077), (87, 65212), (90, 65263), (93, 65299), (94, 65305), (103, 65392), (104, 65401), (106, 65425), (112, 65473),

Gene: Jemmno_122 Start: 63948, Stop: 64937, Start Num: 10
Candidate Starts for Jemmno_122:
(6, 63939), (Start: 10 @63948 has 129 MA's), (Start: 13 @63960 has 2 MA's), (35, 64158), (47, 64254), (52, 64311), (54, 64329), (56, 64347), (64, 64482), (67, 64497), (68, 64509), (70, 64524), (87, 64659), (90, 64710), (93, 64746), (94, 64752), (103, 64839), (104, 64848), (106, 64872), (112, 64920),

Gene: Jessibeth14_121 Start: 64480, Stop: 65469, Start Num: 10
Candidate Starts for Jessibeth14_121:
(6, 64471), (Start: 10 @64480 has 129 MA's), (35, 64690), (47, 64786), (52, 64843), (54, 64861), (56, 64879), (64, 65014), (67, 65029), (68, 65041), (70, 65056), (87, 65191), (90, 65242), (93, 65278), (94, 65284), (103, 65371), (104, 65380), (106, 65404), (112, 65452),

Gene: JulietS_116 Start: 61835, Stop: 62824, Start Num: 10
Candidate Starts for JulietS_116:
(6, 61826), (Start: 10 @61835 has 129 MA's), (Start: 13 @61847 has 2 MA's), (35, 62045), (47, 62141), (52, 62198), (54, 62216), (56, 62234), (64, 62369), (67, 62384), (68, 62396), (70, 62411), (87, 62546), (90, 62597), (93, 62633), (94, 62639), (103, 62726), (104, 62735), (106, 62759), (112, 62807),

Gene: JustHall_120 Start: 64486, Stop: 65475, Start Num: 9
Candidate Starts for JustHall_120:
(Start: 9 @64486 has 38 MA's), (Start: 13 @64498 has 2 MA's), (35, 64696), (47, 64792), (52, 64849), (54, 64867), (56, 64885), (64, 65020), (67, 65035), (68, 65047), (70, 65062), (87, 65197), (90, 65248), (93, 65284), (94, 65290), (103, 65377), (104, 65386), (106, 65410), (112, 65458),

Gene: Kamryn_122 Start: 65286, Stop: 66275, Start Num: 10
Candidate Starts for Kamryn_122:
(6, 65277), (Start: 10 @65286 has 129 MA's), (35, 65496), (47, 65592), (52, 65649), (54, 65667), (56, 65685), (64, 65820), (67, 65835), (68, 65847), (70, 65862), (87, 65997), (90, 66048), (93, 66084), (94, 66090), (103, 66177), (104, 66186), (106, 66210), (112, 66258),

Gene: Kboogie_126 Start: 63651, Stop: 64640, Start Num: 10
Candidate Starts for Kboogie_126:
(6, 63642), (Start: 10 @63651 has 129 MA's), (Start: 13 @63663 has 2 MA's), (35, 63861), (47, 63957), (52, 64014), (54, 64032), (56, 64050), (64, 64185), (67, 64200), (68, 64212), (70, 64227), (87, 64362), (90, 64413), (93, 64449), (94, 64455), (103, 64542), (104, 64551), (106, 64575), (112, 64623),

Gene: Khaleesi_121 Start: 64583, Stop: 65572, Start Num: 10
Candidate Starts for Khaleesi_121:
(6, 64574), (Start: 10 @64583 has 129 MA's), (35, 64793), (47, 64889), (52, 64946), (54, 64964), (56, 64982), (64, 65117), (67, 65132), (68, 65144), (70, 65159), (87, 65294), (90, 65345), (93, 65381), (94, 65387), (103, 65474), (104, 65483), (106, 65507), (112, 65555),

Gene: Koguma_119 Start: 62128, Stop: 63117, Start Num: 10
Candidate Starts for Koguma_119:
(6, 62119), (Start: 10 @62128 has 129 MA's), (Start: 13 @62140 has 2 MA's), (35, 62338), (47, 62434), (52, 62491), (54, 62509), (56, 62527), (64, 62662), (67, 62677), (68, 62689), (70, 62704), (87, 62839), (90, 62890), (93, 62926), (94, 62932), (103, 63019), (104, 63028), (106, 63052), (112, 63100),

Gene: LRRHood_115 Start: 63926, Stop: 64915, Start Num: 10
Candidate Starts for LRRHood_115:
(6, 63917), (Start: 10 @63926 has 129 MA's), (Start: 13 @63938 has 2 MA's), (35, 64136), (47, 64232), (52, 64289), (54, 64307), (56, 64325), (64, 64460), (67, 64475), (68, 64487), (70, 64502), (87, 64637), (90, 64688), (93, 64724), (94, 64730), (103, 64817), (104, 64826), (106, 64850), (112, 64898),

Gene: Latch_123 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for Latch_123:
(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: Lee7_119 Start: 65217, Stop: 66206, Start Num: 10
Candidate Starts for Lee7_119:
(6, 65208), (Start: 10 @65217 has 129 MA's), (35, 65427), (47, 65523), (52, 65580), (54, 65598), (56, 65616), (64, 65751), (67, 65766), (68, 65778), (70, 65793), (87, 65928), (90, 65979), (93, 66015), (94, 66021), (103, 66108), (104, 66117), (106, 66141), (112, 66189),

Gene: LifeSavor_120 Start: 63900, Stop: 64889, Start Num: 10
Candidate Starts for LifeSavor_120:
(6, 63891), (Start: 10 @63900 has 129 MA's), (Start: 13 @63912 has 2 MA's), (35, 64110), (47, 64206), (52, 64263), (54, 64281), (56, 64299), (64, 64434), (67, 64449), (68, 64461), (70, 64476), (87, 64611), (90, 64662), (93, 64698), (94, 64704), (103, 64791), (104, 64800), (106, 64824), (112, 64872),

Gene: LinStu_120 Start: 64545, Stop: 65534, Start Num: 10
Candidate Starts for LinStu_120:
(6, 64536), (Start: 10 @64545 has 129 MA's), (35, 64755), (47, 64851), (52, 64908), (54, 64926), (56, 64944), (64, 65079), (67, 65094), (68, 65106), (70, 65121), (87, 65256), (90, 65307), (103, 65436), (104, 65445), (106, 65469), (112, 65517),

Gene: Littleton_122 Start: 64030, Stop: 65019, Start Num: 10
Candidate Starts for Littleton_122:
(6, 64021), (Start: 10 @64030 has 129 MA's), (35, 64240), (47, 64336), (52, 64393), (54, 64411), (56, 64429), (64, 64564), (67, 64579), (68, 64591), (70, 64606), (87, 64741), (90, 64792), (93, 64828), (94, 64834), (103, 64921), (104, 64930), (106, 64954), (112, 65002),

Gene: Loanshark_121 Start: 64551, Stop: 65540, Start Num: 10
Candidate Starts for Loanshark_121:
(6, 64542), (Start: 10 @64551 has 129 MA's), (35, 64761), (47, 64857), (52, 64914), (54, 64932), (56, 64950), (64, 65085), (67, 65100), (68, 65112), (70, 65127), (87, 65262), (90, 65313), (93, 65349), (94, 65355), (103, 65442), (104, 65451), (106, 65475), (112, 65523),

Gene: LolaVinca_122 Start: 64904, Stop: 65893, Start Num: 10
Candidate Starts for LolaVinca_122:
(6, 64895), (Start: 10 @64904 has 129 MA's), (35, 65114), (47, 65210), (52, 65267), (54, 65285), (56, 65303), (64, 65438), (67, 65453), (68, 65465), (70, 65480), (87, 65615), (90, 65666), (93, 65702), (94, 65708), (103, 65795), (104, 65804), (106, 65828), (112, 65876),

Gene: LordLeafolot_125 Start: 65870, Stop: 66859, Start Num: 10
Candidate Starts for LordLeafolot_125:
(6, 65861), (Start: 10 @65870 has 129 MA's), (Start: 13 @65882 has 2 MA's), (35, 66080), (47, 66176), (52, 66233), (54, 66251), (56, 66269), (64, 66404), (67, 66419), (68, 66431), (70, 66446), (87, 66581), (90, 66632), (93, 66668), (94, 66674), (103, 66761), (104, 66770), (106, 66794), (112, 66842),

Gene: Lukilu_112 Start: 64936, Stop: 65925, Start Num: 10
Candidate Starts for Lukilu_112:
(6, 64927), (Start: 10 @64936 has 129 MA's), (Start: 13 @64948 has 2 MA's), (35, 65146), (47, 65242), (52, 65299), (54, 65317), (56, 65335), (64, 65470), (67, 65485), (68, 65497), (70, 65512), (87, 65647), (90, 65698), (93, 65734), (94, 65740), (103, 65827), (104, 65836), (106, 65860), (112, 65908),

Gene: Maby2021_122 Start: 64677, Stop: 65666, Start Num: 10
Candidate Starts for Maby2021_122:
(6, 64668), (Start: 10 @64677 has 129 MA's), (35, 64887), (47, 64983), (52, 65040), (54, 65058), (56, 65076), (64, 65211), (67, 65226), (68, 65238), (70, 65253), (87, 65388), (90, 65439), (93, 65475), (94, 65481), (103, 65568), (104, 65577), (106, 65601), (112, 65649),

Gene: Mangeria_122 Start: 64747, Stop: 65736, Start Num: 10
Candidate Starts for Mangeria_122:
(6, 64738), (Start: 10 @64747 has 129 MA's), (Start: 13 @64759 has 2 MA's), (35, 64957), (47, 65053), (52, 65110), (54, 65128), (56, 65146), (64, 65281), (67, 65296), (68, 65308), (70, 65323), (87, 65458), (90, 65509), (93, 65545), (94, 65551), (103, 65638), (104, 65647), (106, 65671), (112, 65719),

Gene: Matsumoto_118 Start: 63528, Stop: 64517, Start Num: 10
Candidate Starts for Matsumoto_118:
(6, 63519), (Start: 10 @63528 has 129 MA's), (35, 63738), (47, 63834), (52, 63891), (54, 63909), (56, 63927), (64, 64062), (67, 64077), (68, 64089), (70, 64104), (87, 64239), (90, 64290), (93, 64326), (94, 64332), (103, 64419), (104, 64428), (106, 64452), (112, 64500),

Gene: McGee_124 Start: 63292, Stop: 64281, Start Num: 10
Candidate Starts for McGee_124:
(6, 63283), (Start: 10 @63292 has 129 MA's), (Start: 13 @63304 has 2 MA's), (35, 63502), (47, 63598), (52, 63655), (54, 63673), (56, 63691), (64, 63826), (67, 63841), (68, 63853), (70, 63868), (87, 64003), (90, 64054), (93, 64090), (94, 64096), (103, 64183), (104, 64192), (106, 64216), (112, 64264),

Gene: McWolfish_120 Start: 64466, Stop: 65455, Start Num: 10
Candidate Starts for McWolfish_120:
(6, 64457), (Start: 10 @64466 has 129 MA's), (35, 64676), (47, 64772), (52, 64829), (54, 64847), (56, 64865), (64, 65000), (67, 65015), (68, 65027), (70, 65042), (87, 65177), (90, 65228), (93, 65264), (94, 65270), (103, 65357), (104, 65366), (106, 65390), (112, 65438),

Gene: Megamind_121 Start: 64350, Stop: 65339, Start Num: 10
Candidate Starts for Megamind_121:
(6, 64341), (Start: 10 @64350 has 129 MA's), (35, 64560), (47, 64656), (52, 64713), (54, 64731), (56, 64749), (64, 64884), (67, 64899), (68, 64911), (70, 64926), (87, 65061), (90, 65112), (93, 65148), (94, 65154), (103, 65241), (104, 65250), (106, 65274), (112, 65322),

Gene: Melpomini_116 Start: 61816, Stop: 62805, Start Num: 10
Candidate Starts for Melpomini_116:
(6, 61807), (Start: 10 @61816 has 129 MA's), (35, 62026), (47, 62122), (52, 62179), (54, 62197), (56, 62215), (64, 62350), (67, 62365), (68, 62377), (70, 62392), (87, 62527), (90, 62578), (93, 62614), (94,

62620), (103, 62707), (104, 62716), (106, 62740), (112, 62788),

Gene: MikeLiesIn_123 Start: 64697, Stop: 65686, Start Num: 10
Candidate Starts for MikeLiesIn_123:
(6, 64688), (Start: 10 @64697 has 129 MA's), (35, 64907), (47, 65003), (52, 65060), (54, 65078), (56, 65096), (64, 65231), (67, 65246), (68, 65258), (70, 65273), (87, 65408), (90, 65459), (93, 65495), (94, 65501), (103, 65588), (104, 65597), (106, 65621), (112, 65669),

Gene: Mikro_119 Start: 65920, Stop: 66909, Start Num: 10
Candidate Starts for Mikro_119:
(6, 65911), (Start: 10 @65920 has 129 MA's), (35, 66130), (47, 66226), (52, 66283), (54, 66301), (56, 66319), (64, 66454), (67, 66469), (68, 66481), (70, 66496), (87, 66631), (90, 66682), (93, 66718), (94, 66724), (103, 66811), (104, 66820), (106, 66844), (112, 66892),

Gene: MoMoMixon_122 Start: 64173, Stop: 65162, Start Num: 10
Candidate Starts for MoMoMixon_122:
(6, 64164), (Start: 10 @64173 has 129 MA's), (35, 64383), (47, 64479), (52, 64536), (54, 64554), (56, 64572), (64, 64707), (67, 64722), (68, 64734), (70, 64749), (87, 64884), (90, 64935), (93, 64971), (94, 64977), (103, 65064), (104, 65073), (106, 65097), (112, 65145),

Gene: Momo_122 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for Momo_122:
(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: Morizzled23_123 Start: 64056, Stop: 65045, Start Num: 9
Candidate Starts for Morizzled23_123:
(Start: 9 @64056 has 38 MA's), (Start: 13 @64068 has 2 MA's), (35, 64266), (47, 64362), (52, 64419), (54, 64437), (56, 64455), (64, 64590), (67, 64605), (68, 64617), (70, 64632), (87, 64767), (90, 64818), (93, 64854), (94, 64860), (103, 64947), (104, 64956), (106, 64980), (112, 65028),

Gene: Myrna_118 Start: 66629, Stop: 67618, Start Num: 13
Candidate Starts for Myrna_118:
(Start: 13 @66629 has 2 MA's), (19, 66674), (30, 66782), (32, 66806), (40, 66851), (42, 66860), (43, 66872), (52, 66989), (54, 67007), (63, 67157), (67, 67175), (68, 67187), (70, 67202), (86, 67331), (94, 67430), (101, 67502), (104, 67529),

Gene: Naija_122 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for Naija_122:
(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: Napoleon13_118 Start: 62254, Stop: 63243, Start Num: 10
Candidate Starts for Napoleon13_118:
(6, 62245), (Start: 10 @62254 has 129 MA's), (35, 62464), (47, 62560), (52, 62617), (54, 62635), (56, 62653), (64, 62788), (67, 62803), (68, 62815), (70, 62830), (87, 62965), (90, 63016), (93, 63052), (94, 63058), (103, 63145), (104, 63154), (106, 63178), (112, 63226),

Gene: Nappy_124 Start: 65607, Stop: 66596, Start Num: 10
Candidate Starts for Nappy_124:

(6, 65598), (Start: 10 @65607 has 129 MA's), (35, 65817), (47, 65913), (52, 65970), (54, 65988), (56, 66006), (64, 66141), (67, 66156), (68, 66168), (70, 66183), (87, 66318), (90, 66369), (93, 66405), (94, 66411), (103, 66498), (104, 66507), (106, 66531), (112, 66579),

Gene: Naval22_126 Start: 66140, Stop: 67129, Start Num: 10
Candidate Starts for Naval22_126:
(6, 66131), (Start: 10 @66140 has 129 MA's), (35, 66350), (47, 66446), (52, 66503), (54, 66521), (56, 66539), (64, 66674), (67, 66689), (68, 66701), (70, 66716), (87, 66851), (90, 66902), (93, 66938), (94, 66944), (103, 67031), (104, 67040), (106, 67064), (112, 67112),

Gene: NedWong_123 Start: 64684, Stop: 65673, Start Num: 10
Candidate Starts for NedWong_123:
(6, 64675), (Start: 10 @64684 has 129 MA's), (35, 64894), (47, 64990), (52, 65047), (54, 65065), (56, 65083), (64, 65218), (67, 65233), (68, 65245), (70, 65260), (87, 65395), (90, 65446), (93, 65482), (94, 65488), (103, 65575), (104, 65584), (106, 65608), (112, 65656),

Gene: Ngannou_119 Start: 62673, Stop: 63662, Start Num: 9
Candidate Starts for Ngannou_119:
(Start: 9 @62673 has 38 MA's), (Start: 13 @62685 has 2 MA's), (35, 62883), (47, 62979), (52, 63036), (54, 63054), (56, 63072), (64, 63207), (67, 63222), (68, 63234), (70, 63249), (87, 63384), (90, 63435), (93, 63471), (94, 63477), (103, 63564), (104, 63573), (106, 63597), (112, 63645),

Gene: Nidhogg_124 Start: 64897, Stop: 65886, Start Num: 9
Candidate Starts for Nidhogg_124:
(Start: 9 @64897 has 38 MA's), (Start: 13 @64909 has 2 MA's), (35, 65107), (47, 65203), (52, 65260), (54, 65278), (56, 65296), (64, 65431), (67, 65446), (68, 65458), (70, 65473), (87, 65608), (90, 65659), (93, 65695), (94, 65701), (103, 65788), (104, 65797), (106, 65821), (112, 65869),

Gene: NoodleTree_129 Start: 64777, Stop: 65766, Start Num: 10
Candidate Starts for NoodleTree_129:
(6, 64768), (Start: 10 @64777 has 129 MA's), (35, 64987), (47, 65083), (52, 65140), (54, 65158), (56, 65176), (64, 65311), (67, 65326), (68, 65338), (70, 65353), (87, 65488), (90, 65539), (93, 65575), (94, 65581), (103, 65668), (104, 65677), (106, 65701), (112, 65749),

Gene: Norm_123 Start: 65379, Stop: 66368, Start Num: 10
Candidate Starts for Norm_123:
(6, 65370), (Start: 10 @65379 has 129 MA's), (35, 65589), (47, 65685), (52, 65742), (54, 65760), (56, 65778), (64, 65913), (67, 65928), (68, 65940), (70, 65955), (87, 66090), (90, 66141), (93, 66177), (94, 66183), (103, 66270), (104, 66279), (106, 66303), (112, 66351),

Gene: NuevoMundo_127 Start: 66959, Stop: 67948, Start Num: 10
Candidate Starts for NuevoMundo_127:
(6, 66950), (Start: 10 @66959 has 129 MA's), (Start: 13 @66971 has 2 MA's), (35, 67169), (47, 67265), (52, 67322), (54, 67340), (56, 67358), (64, 67493), (67, 67508), (68, 67520), (70, 67535), (87, 67670), (90, 67721), (93, 67757), (94, 67763), (103, 67850), (104, 67859), (106, 67883), (112, 67931),

Gene: ParkTD_123 Start: 64680, Stop: 65669, Start Num: 10
Candidate Starts for ParkTD_123:
(6, 64671), (Start: 10 @64680 has 129 MA's), (35, 64890), (47, 64986), (52, 65043), (54, 65061), (56, 65079), (64, 65214), (67, 65229), (68, 65241), (70, 65256), (87, 65391), (90, 65442), (93, 65478), (94, 65484), (103, 65571), (104, 65580), (106, 65604), (112, 65652),

Gene: Patter_123 Start: 63708, Stop: 64697, Start Num: 9

Candidate Starts for Patter_123:
(Start: 9 @63708 has 38 MA's), (Start: 13 @63720 has 2 MA's), (35, 63918), (47, 64014), (52, 64071), (54, 64089), (56, 64107), (64, 64242), (67, 64257), (68, 64269), (70, 64284), (87, 64419), (90, 64470), (93, 64506), (94, 64512), (103, 64599), (104, 64608), (106, 64632), (112, 64680),

Gene: Phabba_122 Start: 65105, Stop: 66094, Start Num: 13
Candidate Starts for Phabba_122:
(Start: 13 @65105 has 2 MA's), (19, 65150), (24, 65189), (30, 65258), (36, 65312), (37, 65318), (40, 65327), (43, 65348), (52, 65465), (54, 65483), (60, 65534), (67, 65651), (68, 65663), (86, 65807), (90, 65864), (94, 65906), (101, 65978), (102, 65990),

Gene: Phlegm_125 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for Phlegm_125:
(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: Phox_119 Start: 64960, Stop: 65949, Start Num: 10
Candidate Starts for Phox_119:
(6, 64951), (Start: 10 @64960 has 129 MA's), (Start: 13 @64972 has 2 MA's), (35, 65170), (47, 65266), (52, 65323), (54, 65341), (56, 65359), (64, 65494), (67, 65509), (68, 65521), (70, 65536), (87, 65671), (90, 65722), (93, 65758), (94, 65764), (103, 65851), (104, 65860), (106, 65884), (112, 65932),

Gene: Phrappuccino_66 Start: 46491, Stop: 47483, Start Num: 11
Candidate Starts for Phrappuccino_66:
(Start: 9 @46488 has 38 MA's), (Start: 11 @46491 has 2 MA's), (15, 46515), (20, 46551), (25, 46593), (27, 46620), (30, 46653), (34, 46707), (38, 46722), (46, 46803), (53, 46869), (54, 46881), (60, 46932), (61, 46941), (70, 47076), (73, 47115), (74, 47118), (80, 47166), (81, 47169), (83, 47193), (89, 47250), (92, 47301), (104, 47406), (108, 47457),

Gene: Phusco_122 Start: 63977, Stop: 64966, Start Num: 10
Candidate Starts for Phusco_122:
(6, 63968), (Start: 10 @63977 has 129 MA's), (Start: 13 @63989 has 2 MA's), (35, 64187), (47, 64283), (52, 64340), (54, 64358), (56, 64376), (64, 64511), (67, 64526), (68, 64538), (70, 64553), (87, 64688), (90, 64739), (93, 64775), (94, 64781), (103, 64868), (104, 64877), (106, 64901), (112, 64949),

Gene: Pier_126 Start: 66967, Stop: 67956, Start Num: 10
Candidate Starts for Pier_126:
(6, 66958), (Start: 10 @66967 has 129 MA's), (Start: 13 @66979 has 2 MA's), (35, 67177), (47, 67273), (52, 67330), (54, 67348), (56, 67366), (64, 67501), (67, 67516), (68, 67528), (70, 67543), (87, 67678), (90, 67729), (93, 67765), (94, 67771), (103, 67858), (104, 67867), (106, 67891), (112, 67939),

Gene: Pinkcreek_113 Start: 62311, Stop: 63300, Start Num: 10
Candidate Starts for Pinkcreek_113:
(6, 62302), (Start: 10 @62311 has 129 MA's), (Start: 13 @62323 has 2 MA's), (35, 62521), (47, 62617), (52, 62674), (54, 62692), (56, 62710), (64, 62845), (67, 62860), (68, 62872), (70, 62887), (87, 63022), (90, 63073), (93, 63109), (94, 63115), (103, 63202), (104, 63211), (106, 63235), (112, 63283),

Gene: Pio_126 Start: 66569, Stop: 67558, Start Num: 10
Candidate Starts for Pio_126:
(6, 66560), (Start: 10 @66569 has 129 MA's), (35, 66779), (47, 66875), (52, 66932), (54, 66950), (56, 66968), (64, 67103), (67, 67118), (68, 67130), (70, 67145), (87, 67280), (90, 67331), (93, 67367), (94, 67373), (103, 67460), (104, 67469), (106, 67493), (112, 67541),

Gene: Pivoine_122 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for Pivoine_122:
(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: Pleione_125 Start: 64847, Stop: 65836, Start Num: 10
Candidate Starts for Pleione_125:
(6, 64838), (Start: 10 @64847 has 129 MA's), (35, 65057), (47, 65153), (52, 65210), (54, 65228), (56, 65246), (64, 65381), (67, 65396), (68, 65408), (70, 65423), (87, 65558), (90, 65609), (93, 65645), (94, 65651), (103, 65738), (104, 65747), (106, 65771), (112, 65819),

Gene: Pupper_108 Start: 63926, Stop: 64945, Start Num: 3
Candidate Starts for Pupper_108:
(1, 63833), (Start: 3 @63926 has 3 MA's), (18, 63998), (20, 64016), (21, 64028), (45, 64247), (46, 64259), (54, 64337), (55, 64343), (66, 64502), (67, 64505), (68, 64517), (71, 64547), (76, 64592), (82, 64631), (87, 64667), (90, 64718), (93, 64754), (98, 64784), (104, 64856), (106, 64880), (111, 64922),

Gene: PurduePete_122 Start: 65104, Stop: 66093, Start Num: 10
Candidate Starts for PurduePete_122:
(6, 65095), (Start: 10 @65104 has 129 MA's), (35, 65314), (47, 65410), (52, 65467), (54, 65485), (56, 65503), (64, 65638), (67, 65653), (68, 65665), (70, 65680), (87, 65815), (90, 65866), (93, 65902), (94, 65908), (103, 65995), (104, 66004), (106, 66028), (112, 66076),

Gene: QBert_116 Start: 63684, Stop: 64673, Start Num: 10
Candidate Starts for QBert_116:
(6, 63675), (Start: 10 @63684 has 129 MA's), (35, 63894), (47, 63990), (52, 64047), (54, 64065), (56, 64083), (64, 64218), (67, 64233), (68, 64245), (70, 64260), (87, 64395), (90, 64446), (93, 64482), (94, 64488), (103, 64575), (104, 64584), (106, 64608), (112, 64656),

Gene: Quasimodo_124 Start: 65118, Stop: 66107, Start Num: 9
Candidate Starts for Quasimodo_124:
(Start: 9 @65118 has 38 MA's), (Start: 13 @65130 has 2 MA's), (35, 65328), (47, 65424), (52, 65481), (54, 65499), (56, 65517), (64, 65652), (67, 65667), (68, 65679), (70, 65694), (87, 65829), (90, 65880), (93, 65916), (94, 65922), (103, 66009), (104, 66018), (106, 66042), (112, 66090),

Gene: Rabinovish_119 Start: 64877, Stop: 65866, Start Num: 10
Candidate Starts for Rabinovish_119:
(6, 64868), (Start: 10 @64877 has 129 MA's), (35, 65087), (47, 65183), (52, 65240), (54, 65258), (56, 65276), (64, 65411), (67, 65426), (68, 65438), (70, 65453), (87, 65588), (90, 65639), (93, 65675), (94, 65681), (103, 65768), (104, 65777), (106, 65801), (112, 65849),

Gene: Rahel_121 Start: 63569, Stop: 64558, Start Num: 10
Candidate Starts for Rahel_121:
(6, 63560), (Start: 10 @63569 has 129 MA's), (35, 63779), (47, 63875), (52, 63932), (54, 63950), (56, 63968), (64, 64103), (67, 64118), (68, 64130), (70, 64145), (87, 64280), (90, 64331), (93, 64367), (94, 64373), (103, 64460), (104, 64469), (106, 64493), (112, 64541),

Gene: RedWattleHog_34 Start: 36261, Stop: 37250, Start Num: 8
Candidate Starts for RedWattleHog_34:
(2, 36198), (Start: 8 @36261 has 2 MA's), (16, 36294), (25, 36369), (26, 36375), (54, 36669), (60, 36720), (61, 36729), (62, 36774), (64, 36822), (66, 36834), (69, 36858), (70, 36864), (77, 36927), (78,

36930), (80, 36948), (85, 36990), (87, 36999), (88, 37005), (99, 37137), (105, 37194), (109, 37239),

Gene: Rizal_117 Start: 62717, Stop: 63706, Start Num: 10
Candidate Starts for Rizal_117:
(6, 62708), (Start: 10 @62717 has 129 MA's), (35, 62927), (47, 63023), (52, 63080), (54, 63098), (56, 63116), (64, 63251), (67, 63266), (68, 63278), (70, 63293), (87, 63428), (90, 63479), (93, 63515), (94, 63521), (103, 63608), (104, 63617), (106, 63641), (112, 63689),

Gene: RoMag_117 Start: 63891, Stop: 64880, Start Num: 10
Candidate Starts for RoMag_117:
(6, 63882), (Start: 10 @63891 has 129 MA's), (Start: 13 @63903 has 2 MA's), (35, 64101), (47, 64197), (52, 64254), (54, 64272), (56, 64290), (64, 64425), (67, 64440), (68, 64452), (70, 64467), (87, 64602), (90, 64653), (93, 64689), (94, 64695), (103, 64782), (104, 64791), (106, 64815), (112, 64863),

Gene: Ronan_116 Start: 61840, Stop: 62829, Start Num: 10
Candidate Starts for Ronan_116:
(6, 61831), (Start: 10 @61840 has 129 MA's), (Start: 13 @61852 has 2 MA's), (35, 62050), (47, 62146), (52, 62203), (54, 62221), (56, 62239), (64, 62374), (67, 62389), (68, 62401), (70, 62416), (87, 62551), (90, 62602), (93, 62638), (94, 62644), (103, 62731), (104, 62740), (106, 62764), (112, 62812),

Gene: Roots515_121 Start: 65356, Stop: 66345, Start Num: 9
Candidate Starts for Roots515_121:
(Start: 9 @65356 has 38 MA's), (Start: 13 @65368 has 2 MA's), (35, 65566), (47, 65662), (52, 65719), (54, 65737), (56, 65755), (64, 65890), (67, 65905), (68, 65917), (70, 65932), (87, 66067), (90, 66118), (93, 66154), (94, 66160), (103, 66247), (104, 66256), (106, 66280), (112, 66328),

Gene: SCentae_107 Start: 64075, Stop: 65094, Start Num: 3
Candidate Starts for SCentae_107:
(1, 63982), (Start: 3 @64075 has 3 MA's), (18, 64147), (20, 64165), (21, 64177), (45, 64396), (46, 64408), (54, 64486), (55, 64492), (66, 64651), (67, 64654), (68, 64666), (71, 64696), (76, 64741), (82, 64780), (87, 64816), (90, 64867), (93, 64903), (98, 64933), (104, 65005), (106, 65029), (111, 65071),

Gene: Salacia_126 Start: 65018, Stop: 66007, Start Num: 10
Candidate Starts for Salacia_126:
(6, 65009), (Start: 10 @65018 has 129 MA's), (35, 65228), (47, 65324), (52, 65381), (54, 65399), (56, 65417), (64, 65552), (67, 65567), (68, 65579), (70, 65594), (87, 65729), (90, 65780), (93, 65816), (94, 65822), (103, 65909), (104, 65918), (106, 65942), (112, 65990),

Gene: Sauce_122 Start: 63624, Stop: 64613, Start Num: 10
Candidate Starts for Sauce_122:
(6, 63615), (Start: 10 @63624 has 129 MA's), (Start: 13 @63636 has 2 MA's), (35, 63834), (47, 63930), (52, 63987), (54, 64005), (56, 64023), (64, 64158), (67, 64173), (68, 64185), (70, 64200), (87, 64335), (90, 64386), (93, 64422), (94, 64428), (103, 64515), (104, 64524), (106, 64548), (112, 64596),

Gene: ScoobyDoobyDoo_113 Start: 64694, Stop: 65683, Start Num: 12
Candidate Starts for ScoobyDoobyDoo_113:
(Start: 12 @64694 has 1 MA's), (19, 64739), (29, 64841), (30, 64847), (44, 64943), (52, 65054), (54, 65072), (59, 65114), (60, 65123), (66, 65237), (67, 65240), (68, 65252), (72, 65288), (84, 65390), (89, 65435), (90, 65453), (94, 65495), (101, 65567), (111, 65660),

Gene: ScottMcG_118 Start: 63640, Stop: 64629, Start Num: 10
Candidate Starts for ScottMcG_118:

(6, 63631), (Start: 10 @63640 has 129 MA's), (35, 63850), (47, 63946), (52, 64003), (54, 64021), (56, 64039), (64, 64174), (67, 64189), (68, 64201), (70, 64216), (87, 64351), (90, 64402), (93, 64438), (94, 64444), (103, 64531), (104, 64540), (106, 64564), (112, 64612),

Gene: Sebata_122 Start: 65103, Stop: 66092, Start Num: 10
Candidate Starts for Sebata_122:
(6, 65094), (Start: 10 @65103 has 129 MA's), (35, 65313), (47, 65409), (52, 65466), (54, 65484), (56, 65502), (64, 65637), (67, 65652), (68, 65664), (70, 65679), (87, 65814), (90, 65865), (103, 65994), (104, 66003), (106, 66027), (112, 66075),

Gene: Settecandela_66 Start: 46491, Stop: 47483, Start Num: 11
Candidate Starts for Settecandela_66:
(Start: 9 @46488 has 38 MA's), (Start: 11 @46491 has 2 MA's), (15, 46515), (20, 46551), (25, 46593), (27, 46620), (30, 46653), (34, 46707), (38, 46722), (46, 46803), (53, 46869), (54, 46881), (60, 46932), (61, 46941), (70, 47076), (73, 47115), (74, 47118), (80, 47166), (81, 47169), (83, 47193), (89, 47250), (92, 47301), (104, 47406), (108, 47457),

Gene: Shaqnato_115 Start: 62684, Stop: 63673, Start Num: 10
Candidate Starts for Shaqnato_115:
(6, 62675), (Start: 10 @62684 has 129 MA's), (Start: 13 @62696 has 2 MA's), (35, 62894), (47, 62990), (52, 63047), (54, 63065), (56, 63083), (64, 63218), (67, 63233), (68, 63245), (70, 63260), (87, 63395), (90, 63446), (93, 63482), (94, 63488), (103, 63575), (104, 63584), (106, 63608), (112, 63656),

Gene: Shelob_124 Start: 65476, Stop: 66465, Start Num: 10
Candidate Starts for Shelob_124:
(6, 65467), (Start: 10 @65476 has 129 MA's), (35, 65686), (47, 65782), (52, 65839), (54, 65857), (56, 65875), (64, 66010), (67, 66025), (68, 66037), (70, 66052), (87, 66187), (90, 66238), (93, 66274), (94, 66280), (103, 66367), (104, 66376), (106, 66400), (112, 66448),

Gene: ShiaLabeouf_121 Start: 64004, Stop: 64993, Start Num: 10
Candidate Starts for ShiaLabeouf_121:
(6, 63995), (Start: 10 @64004 has 129 MA's), (35, 64214), (47, 64310), (52, 64367), (54, 64385), (56, 64403), (64, 64538), (67, 64553), (68, 64565), (70, 64580), (87, 64715), (90, 64766), (93, 64802), (94, 64808), (103, 64895), (104, 64904), (106, 64928), (112, 64976),

Gene: Shifa_110 Start: 62485, Stop: 63474, Start Num: 10
Candidate Starts for Shifa_110:
(6, 62476), (Start: 10 @62485 has 129 MA's), (Start: 13 @62497 has 2 MA's), (35, 62695), (47, 62791), (52, 62848), (54, 62866), (56, 62884), (64, 63019), (67, 63034), (68, 63046), (70, 63061), (87, 63196), (90, 63247), (93, 63283), (94, 63289), (103, 63376), (104, 63385), (106, 63409), (112, 63457),

Gene: Shnickers_122 Start: 63968, Stop: 64957, Start Num: 10
Candidate Starts for Shnickers_122:
(6, 63959), (Start: 10 @63968 has 129 MA's), (Start: 13 @63980 has 2 MA's), (35, 64178), (47, 64274), (52, 64331), (54, 64349), (56, 64367), (64, 64502), (67, 64517), (68, 64529), (70, 64544), (87, 64679), (90, 64730), (93, 64766), (94, 64772), (103, 64859), (104, 64868), (106, 64892), (112, 64940),

Gene: Shrimp_122 Start: 64688, Stop: 65677, Start Num: 10
Candidate Starts for Shrimp_122:
(6, 64679), (Start: 10 @64688 has 129 MA's), (35, 64898), (47, 64994), (52, 65051), (54, 65069), (56, 65087), (64, 65222), (67, 65237), (68, 65249), (70, 65264), (87, 65399), (90, 65450), (93, 65486), (94, 65492), (103, 65579), (104, 65588), (106, 65612), (112, 65660),

Gene: SilverDipper_124 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for SilverDipper_124:
(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: Skog_171 Start: 94981, Stop: 96000, Start Num: 3
Candidate Starts for Skog_171:
(Start: 3 @94981 has 3 MA's), (18, 95053), (20, 95071), (21, 95083), (43, 95263), (46, 95314), (49, 95341), (54, 95392), (55, 95398), (59, 95434), (66, 95557), (67, 95560), (68, 95572), (71, 95602), (76, 95647), (80, 95671), (82, 95686), (87, 95722), (98, 95839), (104, 95911), (106, 95935), (108, 95962), (111, 95977),

Gene: SmallFry_122 Start: 63193, Stop: 64182, Start Num: 10
Candidate Starts for SmallFry_122:
(6, 63184), (Start: 10 @63193 has 129 MA's), (Start: 13 @63205 has 2 MA's), (35, 63403), (47, 63499), (52, 63556), (54, 63574), (56, 63592), (64, 63727), (67, 63742), (68, 63754), (70, 63769), (87, 63904), (90, 63955), (93, 63991), (94, 63997), (103, 64084), (104, 64093), (106, 64117), (112, 64165),

Gene: Spec_117 Start: 63733, Stop: 64722, Start Num: 10
Candidate Starts for Spec_117:
(6, 63724), (Start: 10 @63733 has 129 MA's), (Start: 13 @63745 has 2 MA's), (35, 63943), (47, 64039), (52, 64096), (54, 64114), (56, 64132), (64, 64267), (67, 64282), (68, 64294), (70, 64309), (87, 64444), (90, 64495), (93, 64531), (94, 64537), (103, 64624), (104, 64633), (106, 64657), (112, 64705),

Gene: Specks_127 Start: 65868, Stop: 66857, Start Num: 10
Candidate Starts for Specks_127:
(6, 65859), (Start: 10 @65868 has 129 MA's), (35, 66078), (47, 66174), (52, 66231), (54, 66249), (56, 66267), (64, 66402), (67, 66417), (68, 66429), (70, 66444), (87, 66579), (90, 66630), (93, 66666), (94, 66672), (103, 66759), (104, 66768), (106, 66792), (112, 66840),

Gene: Sprinklers_118 Start: 63249, Stop: 64238, Start Num: 10
Candidate Starts for Sprinklers_118:
(6, 63240), (Start: 10 @63249 has 129 MA's), (Start: 13 @63261 has 2 MA's), (35, 63459), (47, 63555), (52, 63612), (54, 63630), (56, 63648), (64, 63783), (67, 63798), (68, 63810), (70, 63825), (87, 63960), (90, 64011), (93, 64047), (94, 64053), (103, 64140), (104, 64149), (106, 64173), (112, 64221),

Gene: Spud_121 Start: 64764, Stop: 65753, Start Num: 10
Candidate Starts for Spud_121:
(6, 64755), (Start: 10 @64764 has 129 MA's), (35, 64974), (47, 65070), (52, 65127), (54, 65145), (56, 65163), (64, 65298), (67, 65313), (68, 65325), (70, 65340), (87, 65475), (90, 65526), (93, 65562), (94, 65568), (103, 65655), (104, 65664), (106, 65688), (112, 65736),

Gene: SrishMeg2525_121 Start: 64786, Stop: 65775, Start Num: 10
Candidate Starts for SrishMeg2525_121:
(6, 64777), (Start: 10 @64786 has 129 MA's), (35, 64996), (47, 65092), (52, 65149), (54, 65167), (56, 65185), (64, 65320), (67, 65335), (68, 65347), (70, 65362), (87, 65497), (90, 65548), (93, 65584), (94, 65590), (103, 65677), (104, 65686), (106, 65710), (112, 65758),

Gene: StephanieG_120 Start: 65596, Stop: 66585, Start Num: 10
Candidate Starts for StephanieG_120:
(6, 65587), (Start: 10 @65596 has 129 MA's), (Start: 13 @65608 has 2 MA's), (35, 65806), (47, 65902), (52, 65959), (54, 65977), (56, 65995), (64, 66130), (67, 66145), (68, 66157), (70, 66172), (87,

66307), (90, 66358), (93, 66394), (94, 66400), (103, 66487), (104, 66496), (106, 66520), (112, 66568),

Gene: Stormageddon_31 Start: 36244, Stop: 37233, Start Num: 8
Candidate Starts for Stormageddon_31:
(2, 36181), (Start: 8 @36244 has 2 MA's), (16, 36277), (25, 36352), (26, 36358), (54, 36652), (60, 36703), (61, 36712), (62, 36757), (64, 36805), (66, 36817), (69, 36841), (70, 36847), (77, 36910), (78, 36913), (80, 36931), (85, 36973), (87, 36982), (88, 36988), (99, 37120), (105, 37177), (109, 37222),

Gene: Stubby_114 Start: 62801, Stop: 63790, Start Num: 10
Candidate Starts for Stubby_114:
(6, 62792), (Start: 10 @62801 has 129 MA's), (Start: 13 @62813 has 2 MA's), (35, 63011), (47, 63107), (52, 63164), (54, 63182), (56, 63200), (64, 63335), (67, 63350), (68, 63362), (70, 63377), (87, 63512), (90, 63563), (93, 63599), (94, 63605), (103, 63692), (104, 63701), (106, 63725), (112, 63773),

Gene: StubbySaigey_126 Start: 63861, Stop: 64850, Start Num: 9
Candidate Starts for StubbySaigey_126:
(Start: 9 @63861 has 38 MA's), (Start: 13 @63873 has 2 MA's), (35, 64071), (47, 64167), (52, 64224), (54, 64242), (56, 64260), (64, 64395), (67, 64410), (68, 64422), (70, 64437), (87, 64572), (90, 64623), (93, 64659), (94, 64665), (103, 64752), (104, 64761), (106, 64785), (112, 64833),

Gene: Teardrop_121 Start: 63192, Stop: 64181, Start Num: 10
Candidate Starts for Teardrop_121:
(6, 63183), (Start: 10 @63192 has 129 MA's), (35, 63402), (47, 63498), (52, 63555), (54, 63573), (56, 63591), (64, 63726), (67, 63741), (68, 63753), (70, 63768), (87, 63903), (90, 63954), (93, 63990), (94, 63996), (103, 64083), (104, 64092), (106, 64116), (112, 64164),

Gene: TinyTim_122 Start: 64444, Stop: 65433, Start Num: 10
Candidate Starts for TinyTim_122:
(6, 64435), (Start: 10 @64444 has 129 MA's), (35, 64654), (47, 64750), (52, 64807), (54, 64825), (56, 64843), (64, 64978), (67, 64993), (68, 65005), (70, 65020), (87, 65155), (90, 65206), (93, 65242), (94, 65248), (103, 65335), (104, 65344), (106, 65368), (112, 65416),

Gene: Tonenili_136 Start: 67950, Stop: 68939, Start Num: 10
Candidate Starts for Tonenili_136:
(6, 67941), (Start: 10 @67950 has 129 MA's), (30, 68109), (52, 68313), (54, 68331), (56, 68349), (64, 68484), (67, 68499), (70, 68526), (87, 68661), (90, 68712), (93, 68748), (94, 68754), (103, 68841), (104, 68850), (106, 68874),

Gene: Tortoise16_119 Start: 63793, Stop: 64782, Start Num: 10
Candidate Starts for Tortoise16_119:
(6, 63784), (Start: 10 @63793 has 129 MA's), (35, 64003), (47, 64099), (52, 64156), (54, 64174), (56, 64192), (64, 64327), (67, 64342), (68, 64354), (70, 64369), (87, 64504), (90, 64555), (93, 64591), (94, 64597), (103, 64684), (104, 64693), (106, 64717), (112, 64765),

Gene: Trinitium_120 Start: 63627, Stop: 64616, Start Num: 9
Candidate Starts for Trinitium_120:
(Start: 9 @63627 has 38 MA's), (Start: 13 @63639 has 2 MA's), (35, 63837), (47, 63933), (52, 63990), (54, 64008), (56, 64026), (64, 64161), (67, 64176), (68, 64188), (70, 64203), (87, 64338), (90, 64389), (93, 64425), (94, 64431), (103, 64518), (104, 64527), (106, 64551), (112, 64599),

Gene: Turret_118 Start: 63072, Stop: 64061, Start Num: 9
Candidate Starts for Turret_118:

(Start: 9 @63072 has 38 MA's), (Start: 13 @63084 has 2 MA's), (35, 63282), (47, 63378), (52, 63435), (54, 63453), (56, 63471), (64, 63606), (67, 63621), (68, 63633), (70, 63648), (87, 63783), (90, 63834), (93, 63870), (94, 63876), (103, 63963), (104, 63972), (106, 63996), (112, 64044),

Gene: Tyke_122 Start: 65099, Stop: 66088, Start Num: 10
Candidate Starts for Tyke_122:
(6, 65090), (Start: 10 @65099 has 129 MA's), (Start: 13 @65111 has 2 MA's), (35, 65309), (47, 65405), (52, 65462), (54, 65480), (56, 65498), (64, 65633), (67, 65648), (68, 65660), (70, 65675), (87, 65810), (90, 65861), (93, 65897), (94, 65903), (103, 65990), (104, 65999), (106, 66023), (112, 66071),

Gene: ValleyTerrace_123 Start: 63691, Stop: 64680, Start Num: 9
Candidate Starts for ValleyTerrace_123:
(Start: 9 @63691 has 38 MA's), (Start: 13 @63703 has 2 MA's), (35, 63901), (47, 63997), (52, 64054), (54, 64072), (56, 64090), (64, 64225), (67, 64240), (68, 64252), (70, 64267), (87, 64402), (90, 64453), (93, 64489), (94, 64495), (103, 64582), (104, 64591), (106, 64615), (112, 64663),

Gene: Wally_121 Start: 63222, Stop: 64211, Start Num: 10
Candidate Starts for Wally_121:
(6, 63213), (Start: 10 @63222 has 129 MA's), (35, 63432), (47, 63528), (52, 63585), (54, 63603), (56, 63621), (64, 63756), (67, 63771), (68, 63783), (70, 63798), (87, 63933), (90, 63984), (93, 64020), (94, 64026), (103, 64113), (104, 64122), (106, 64146), (112, 64194),

Gene: Willis_123 Start: 64579, Stop: 65568, Start Num: 10
Candidate Starts for Willis_123:
(6, 64570), (Start: 10 @64579 has 129 MA's), (35, 64789), (47, 64885), (52, 64942), (54, 64960), (56, 64978), (64, 65113), (67, 65128), (68, 65140), (70, 65155), (87, 65290), (90, 65341), (93, 65377), (94, 65383), (103, 65470), (104, 65479), (106, 65503), (112, 65551),

Gene: Yassified_119 Start: 63299, Stop: 64288, Start Num: 10
Candidate Starts for Yassified_119:
(6, 63290), (Start: 10 @63299 has 129 MA's), (Start: 13 @63311 has 2 MA's), (35, 63509), (47, 63605), (52, 63662), (54, 63680), (56, 63698), (64, 63833), (67, 63848), (68, 63860), (70, 63875), (87, 64010), (90, 64061), (93, 64097), (94, 64103), (103, 64190), (104, 64199), (106, 64223), (112, 64271),

Gene: YemiJoy2021_123 Start: 64681, Stop: 65670, Start Num: 10
Candidate Starts for YemiJoy2021_123:
(6, 64672), (Start: 10 @64681 has 129 MA's), (35, 64891), (47, 64987), (52, 65044), (54, 65062), (56, 65080), (64, 65215), (67, 65230), (68, 65242), (70, 65257), (87, 65392), (90, 65443), (93, 65479), (94, 65485), (103, 65572), (104, 65581), (106, 65605), (112, 65653),

Gene: YoungMoneyMata_124 Start: 64327, Stop: 65316, Start Num: 9
Candidate Starts for YoungMoneyMata_124:
(Start: 9 @64327 has 38 MA's), (Start: 13 @64339 has 2 MA's), (35, 64537), (47, 64633), (52, 64690), (54, 64708), (56, 64726), (64, 64861), (67, 64876), (68, 64888), (70, 64903), (87, 65038), (90, 65089), (93, 65125), (94, 65131), (103, 65218), (104, 65227), (106, 65251), (112, 65299),

Gene: Yucca_121 Start: 64363, Stop: 65352, Start Num: 10
Candidate Starts for Yucca_121:
(6, 64354), (Start: 10 @64363 has 129 MA's), (35, 64573), (47, 64669), (52, 64726), (54, 64744), (56, 64762), (64, 64897), (67, 64912), (68, 64924), (70, 64939), (87, 65074), (90, 65125), (93, 65161), (94, 65167), (103, 65254), (104, 65263), (106, 65287), (112, 65335),

Gene: Zalkecks_123 Start: 64364, Stop: 65353, Start Num: 10

Candidate Starts for Zalkecks_123:
(6, 64355), (Start: 10 @64364 has 129 MA's), (35, 64574), (47, 64670), (52, 64727), (54, 64745), (56, 64763), (64, 64898), (67, 64913), (68, 64925), (70, 64940), (87, 65075), (90, 65126), (93, 65162), (94, 65168), (103, 65255), (104, 65264), (106, 65288), (112, 65336),

Gene: Zeenon_123 Start: 64449, Stop: 65438, Start Num: 10
Candidate Starts for Zeenon_123:
(6, 64440), (Start: 10 @64449 has 129 MA's), (35, 64659), (47, 64755), (52, 64812), (54, 64830), (56, 64848), (64, 64983), (67, 64998), (68, 65010), (70, 65025), (87, 65160), (90, 65211), (93, 65247), (94, 65253), (103, 65340), (104, 65349), (106, 65373), (112, 65421),

Gene: ZygoTaiga_120 Start: 65609, Stop: 66598, Start Num: 10
Candidate Starts for ZygoTaiga_120:
(6, 65600), (Start: 10 @65609 has 129 MA's), (35, 65819), (47, 65915), (52, 65972), (54, 65990), (56, 66008), (64, 66143), (67, 66158), (68, 66170), (70, 66185), (87, 66320), (90, 66371), (93, 66407), (94, 66413), (103, 66500), (104, 66509), (106, 66533), (112, 66581),