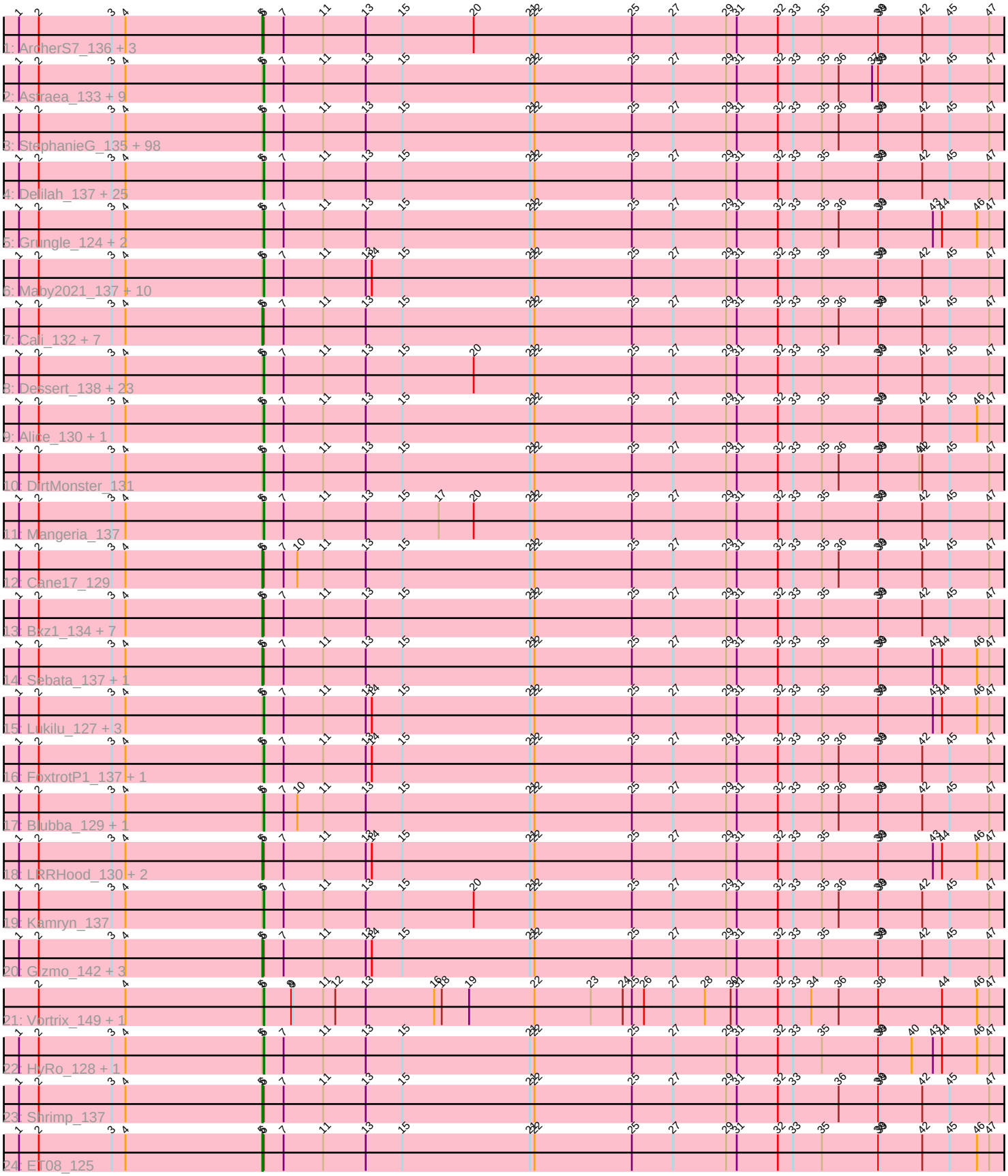
Pham 343629


1: ArcherS7_136 + 3
2: Astraea_133 + 9
3: StephanieG_135 + 98
4: Delilah_137 + 25
5: Grungle_124 + 2
6: Maby2021_137 + 10
7: Cali_132 + 7
8: Dessert_138 + 23
9: Alice_130 + 1
10: DirtMonster_131
11: Mangeria_137
12: Cane17_129
13: Bkz1_134 + 7
14: Sebata_137 + 1
15: Lukilu_127 + 3
16: FoxtrotP1_137 + 1
17: Blubba_129 + 1
18: LRRHood_130 + 2
19: Kamryn_137
20: Gizmo_142 + 3
21: Vortrix_149 + 1
22: HyRo_128 + 1
23: Shrimp_137
24: ET08_125

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 343629 Report

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

Pham number 343629 has 222 members, 30 are drafts.

Phages represented in each track:
• Track 1 : ArcherS7_136, Ghost_136, MikeLiesIn_138, Audrick_140
• Track 2 : Astraea_133, Maguvora_141, Specks_142, Bowman_139, GoldenSnow_140, Primadonna_131, Labradorite_138, Teardrop_136, InterFolia_143, BananaFence_136
• Track 3 : StephanieG_135, Ava3_138, LifeSavor_135, Maturis_135, StubbySaigey_141, DrPhinkDaddy_136, Halldule_131, Iota_132, Domi_130, TinyTim_137, LookingGlass_137, Substance289_135, NoodleTree_144, EmmaElysia_138, Essence_134, Gamgam_138, BigCity_145, Jemmno_137, Ablatia_137, Pier_141, EggyFarm_145, Wally_136, Shnickers_137, Jaygup_137, Montpel_136, QBert_131, Jezreel_137, Spud_136, Flabslab_132, BackyardAgain_134, DTDevon_137, Ewok_138, PurduePete_137, Lunareta_136, Jedediah_140, Jessibeth14_136, ParkTD_138, Bonray_138, CindyLou_139, Duckfeet_131, IkeLoa_131, Adlitam_138, SiwenD96_138, Guwapp_136, Grasshills_144, JustHall_135, JulietS_131, ScottMcG_133, Kboogie_141, Rabinovish_136, ChaylaJr_133, Ronan_131, Nidhogg_139, ShiaLabeouf_136, Blackbrain_133, Belieber_133, BeanWater_129, NuevoMundo_142, Morizzled23_138, SoilZilla_133, BobaPhatt_134, Loanshark_136, Shelob_139, BadAgartude_133, Naval22_145, Basquiat_134, ChickenPhender_133, Bigswole_140, Spec_134, Trinitium_135, Sprinklers_133, SmallFry_137, Daffodil_142, Fludd_138, Rahel_136, CharlieB_134, Lethe_135, Shaqnato_130, I3_142, Norm_138, Tyke_137, RoMag_132, Chargie21_134, Phusco_137, YoungMoneyMata_139, Napoleon13_133, ZygoTaiga_135, Derek_136, Erdmann_137, Melpomini_131, Quasimodo_139, JayJay_142, Izajani_137, Salacia_141, ErnieJ_131, Phox_134, Delylah_140, Mikro_134, SVoro_135
• Track 4 : Delilah_137, Pleione_140, EmToTheThree_139, Demodog_144, Cactojaque_133, Dandelion_142, JigglyPuff_145, McWolfish_135, Dietrick_129, Concombre_143, Matsumoto_135, Caravan_131, LordLeafolot_141, Pupusa_143, PharkleMinkus_140, Tainan_140, Burrough_137, Patter_138, Breeniome_136, DeejaClivia_124, Puhon_140, Darko_137, Cleatunium_130, Turret_133, McGee_139, FrayBell_142
• Track 5 : Grungle_124, Blackdragon_133, Sauce_137
• Track 6 : Maby2021_137, Fongie_135, SrishMeg2525_136, Lee7_140, Megamind_136, OrediggerDelux_140, YemiJoy2021_138, Zalkecks_138, NedWong_138, Yucca_136, Asterius_140
• Track 7 : Cali_132, Bangla1971_138, Roots515_136, Bipolarisk_136, Littleton_137, LolaVinca_137, Issimir_135, Catera_133

• Track 8 : Dessert_138, InigoMontoya_140, Fixie_130, Atlantean_137, Tortoise16_134, GlutenPhree_139, ValleyTerrace_138, Chomp_137, Stubby_130, Amataga_138, Pivoine_137, Capablanca_140, SilverDipper_139, Babyland_139, Khaleesi_136, Ngannou_134, Ading_137, Janiyra_140, JPickles_134, Phlegm_141, Latch_138, Momo_137, Naija_137, Gabriel_137
• Track 9 : Alice_130, Yassified_134
• Track 10 : DirtMonster_131
• Track 11 : Mangeria_137
• Track 12 : Cane17_129
• Track 13 : Bxz1_134, EasyJones_140, Nappy_139, Drazdys_135, Pio_141, Willis_138, Rizal_132, MoMoMixon_137
• Track 14 : Sebata_137, LinStu_135
• Track 15 : Lukilu_127, Moiqah_129, Bezza_131, Moby_130
• Track 16 : FoxtrotP1_137, Rocha_135
• Track 17 : Blubba_129, Colt_129
• Track 18 : LRRHood_130, Koguma_134, Pinkcreek_128
• Track 19 : Kamryn_137
• Track 20 : Gizmo_142, Bread_136, Zeenon_138, FudgeTart_135
• Track 21 : Vortrix_149, Tonenili_150
• Track 22 : HyRo_128, Shifa_126
• Track 23 : Shrimp_137
• Track 24 : ET08_125

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

The start number called the most often in the published annotations is 6, it was called in 160 of the 192 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ablatia_137, Ading_137, Adlitam_138, Alice_130, Amataga_138, Asterius_140, Astraea_133, Atlantean_137, Ava3_138, Babyland_139, BackyardAgain_134, BadAgartude_133, BananaFence_136, Basquiat_134, BeanWater_129, Belieber_133, Bezza_131, BigCity_145, Bigswole_140, Blackbrain_133, Blackdragon_133, Blubba_129, BobaPhatt_134, Bonray_138, Bowman_139, Breeniome_136, Burrough_137, Cactojaque_133, Capablanca_140, Caravan_131, Chargie21_134, CharlieB_134, ChaylaJr_133, ChickenPhender_133, Chomp_137, CindyLou_139, Cleatunium_130, Colt_129, Concombre_143, DTDevon_137, Daffodil_142, Dandelion_142, Darko_137, DeejaClivia_124, Delilah_137, Delylah_140, Demodog_144, Derek_136, Dessert_138, Dietrick_129, DirtMonster_131, Domi_130, DrPhinkDaddy_136, Duckfeet_131, EggyFarm_145, EmToTheThree_139, EmmaElysia_138, Erdmann_137, ErnieJ_131, Essence_134, Ewok_138, Fixie_130, Flabslab_132, Fludd_138, Fongie_135, FoxtrotP1_137, FrayBell_142, Gabriel_137, Gamgam_138, GlutenPhree_139, GoldenSnow_140, Grasshills_144, Grungle_124, Guwapp_136, Halldule_131, HyRo_128, I3_142, IkeLoa_131, InigoMontoya_140, InterFolia_143, Iota_132, Izajani_137, JPickles_134, Janiyra_140, JayJay_142, Jaygup_137, Jedediah_140, Jemmno_137, Jessibeth14_136, Jezreel_137, JigglyPuff_145, JulietS_131, JustHall_135, Kamryn_137, Kboogie_141, Khaleesi_136, Labradorite_138, Latch_138, Lee7_140, Lethe_135, LifeSavor_135, Loanshark_136, LookingGlass_137, LordLeafolot_141, Lukilu_127, Lunareta_136, Maby2021_137, Maguvora_141, Mangeria_137,

Matsumoto_135, Maturis_135, McGee_139, McWolfish_135, Megamind_136, Melpomini_131, Mikro_134, Moby_130, Moiqah_129, Momo_137, Montpel_136, Morizzled23_138, Naija_137, Napoleon13_133, Naval22_145, NedWong_138, Ngannou_134, Nidhogg_139, NoodleTree_144, Norm_138, NuevoMundo_142, OrediggerDelux_140, ParkTD_138, Patter_138, PharkleMinkus_140, Phlegm_141, Phox_134, Phusco_137, Pier_141, Pivoine_137, Pleione_140, Primadonna_131, Puhon_140, Pupusa_143, PurduePete_137, QBert_131, Quasimodo_139, Rabinovish_136, Rahel_136, RoMag_132, Rocha_135, Ronan_131, SVoro_135, Salacia_141, Sauce_137, ScottMcG_133, Shaqnato_130, Shelob_139, ShiaLabeouf_136, Shifa_126, Shnickers_137, SilverDipper_139, SiwenD96_138, SmallFry_137, SoilZilla_133, Spec_134, Specks_142, Sprinklers_133, Spud_136, SrishMeg2525_136, StephanieG_135, StubbySaigey_141, Stubby_130, Substance289_135, Tainan_140, Teardrop_136, TinyTim_137, Tonenili_150, Tortoise16_134, Trinitium_135, Turret_133, Tyke_137, ValleyTerrace_138, Vortrix_149, Wally_136, Yassified_134, YemiJoy2021_138, YoungMoneyMata_139, Yucca_136, Zalkecks_138, ZygoTaiga_135,

Genes that have the "Most Annotated" start but do not call it:
• ArcherS7_136, Audrick_140, Bangla1971_138, Bipolarisk_136, Bread_136, Bxz1_134, Cali_132, Cane17_129, Catera_133, Drazdys_135, ET08_125, EasyJones_140, FudgeTart_135, Ghost_136, Gizmo_142, Issimir_135, Koguma_134, LRRHood_130, LinStu_135, Littleton_137, LolaVinca_137, MikeLiesIn_138, MoMoMixon_137, Nappy_139, Pinkcreek_128, Pio_141, Rizal_132, Roots515_136, Sebata_137, Shrimp_137, Willis_138, Zeenon_138,

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

Summary by start number:

Start 5:
• Found in 222 of 222 (100.0%) of genes in pham
• Manual Annotations of this start: 32 of 192
• Called 14.4% of time when present
• Phage (with cluster) where this start called: ArcherS7_136 (C1), Audrick_140 (C1), Bangla1971_138 (C1), Bipolarisk_136 (C1), Bread_136 (C1), Bxz1_134 (C1), Cali_132 (C1), Cane17_129 (C1), Catera_133 (C1), Drazdys_135 (C1), ET08_125 (C1), EasyJones_140 (C1), FudgeTart_135 (C1), Ghost_136 (C1), Gizmo_142 (C1), Issimir_135 (C1), Koguma_134 (C1), LRRHood_130 (C1), LinStu_135 (C1), Littleton_137 (C1), LolaVinca_137 (C1), MikeLiesIn_138 (C1), MoMoMixon_137 (C1), Nappy_139 (C1), Pinkcreek_128 (C1), Pio_141 (C1), Rizal_132 (C1), Roots515_136 (C1), Sebata_137 (C1), Shrimp_137 (C1), Willis_138 (C1), Zeenon_138 (C1),

Start 6:
• Found in 222 of 222 (100.0%) of genes in pham
• Manual Annotations of this start: 160 of 192
• Called 85.6% of time when present
• Phage (with cluster) where this start called: Ablatia_137 (C1), Ading_137 (C1), Adlitam_138 (C1), Alice_130 (C1), Amataga_138 (C1), Asterius_140 (C1), Astraea_133 (C1), Atlantean_137 (C1), Ava3_138 (C1), Babyland_139 (C1), BackyardAgain_134 (C1), BadAgartude_133 (C1), BananaFence_136 (C1), Basquiat_134 (C1), BeanWater_129 (C1), Belieber_133 (C1), Bezza_131 (C1), BigCity_145 (C1), Bigswole_140 (C1), Blackbrain_133 (C1), Blackdragon_133 (C1),

Blubba_129 (C1), BobaPhatt_134 (C1), Bonray_138 (C1), Bowman_139 (C1), Breeniome_136 (C1), Burrough_137 (C1), Cactojaque_133 (C1), Capablanca_140 (C1), Caravan_131 (C1), Chargie21_134 (C1), CharlieB_134 (C1), ChaylaJr_133 (C1), ChickenPhender_133 (C1), Chomp_137 (C1), CindyLou_139 (C1), Cleatunium_130 (C1), Colt_129 (C1), Concombre_143 (C1), DTDevon_137 (C1), Daffodil_142 (C1), Dandelion_142 (C1), Darko_137 (C1), DeejaClivia_124 (C1), Delilah_137 (C1), Delylah_140 (C1), Demodog_144 (C1), Derek_136 (C1), Dessert_138 (C1), Dietrick_129 (C1), DirtMonster_131 (C1), Domi_130 (C1), DrPhinkDaddy_136 (C1), Duckfeet_131 (C1), EggyFarm_145 (C1), EmToTheThree_139 (C1), EmmaElysia_138 (C1), Erdmann_137 (C1), ErnieJ_131 (C1), Essence_134 (C1), Ewok_138 (C1), Fixie_130 (C1), Flabslab_132 (C1), Fludd_138 (C1), Fongie_135 (C1), FoxtrotP1_137 (C1), FrayBell_142 (C1), Gabriel_137 (C1), Gamgam_138 (C1), GlutenPhree_139 (C1), GoldenSnow_140 (C1), Grasshills_144 (C1), Grungle_124 (C1), Guwapp_136 (C1), Halldule_131 (C1), HyRo_128 (C1), I3_142 (C1), IkeLoa_131 (C1), InigoMontoya_140 (C1), InterFolia_143 (C1), Iota_132 (C1), Izajani_137 (C1), JPickles_134 (C1), Janiyra_140 (C1), JayJay_142 (C1), Jaygup_137 (C1), Jedediah_140 (C1), Jemmno_137 (C1), Jessibeth14_136 (C1), Jezreel_137 (C1), JigglyPuff_145 (C1), JulietS_131 (C1), JustHall_135 (C1), Kamryn_137 (C1), Kboogie_141 (C1), Khaleesi_136 (C1), Labradorite_138 (C1), Latch_138 (C1), Lee7_140 (C1), Lethe_135 (C1), LifeSavor_135 (C1), Loanshark_136 (C1), LookingGlass_137 (C1), LordLeafolot_141 (C1), Lukilu_127 (C1), Lunareta_136 (C1), Maby2021_137 (C1), Maguvora_141 (C1), Mangeria_137 (C1), Matsumoto_135 (C1), Maturis_135 (C1), McGee_139 (C1), McWolfish_135 (C1), Megamind_136 (C1), Melpomini_131 (C1), Mikro_134 (C1), Moby_130 (C1), Moiqah_129 (C1), Momo_137 (C1), Montpel_136 (C1), Morizzled23_138 (C1), Naija_137 (C1), Napoleon13_133 (C1), Naval22_145 (C1), NedWong_138 (C1), Ngannou_134 (C1), Nidhogg_139 (C1), NoodleTree_144 (C1), Norm_138 (C1), NuevoMundo_142 (C1), OrediggerDelux_140 (C1), ParkTD_138 (C1), Patter_138 (C1), PharkleMinkus_140 (C1), Phlegm_141 (C1), Phox_134 (C1), Phusco_137 (C1), Pier_141 (C1), Pivoine_137 (C1), Pleione_140 (C1), Primadonna_131 (C1), Puhon_140 (C1), Pupusa_143 (C1), PurduePete_137 (C1), QBert_131 (C1), Quasimodo_139 (C1), Rabinovish_136 (C1), Rahel_136 (C1), RoMag_132 (C1), Rocha_135 (C1), Ronan_131 (C1), SVoro_135 (C1), Salacia_141 (C1), Sauce_137 (C1), ScottMcG_133 (C1), Shaqnato_130 (C1), Shelob_139 (C1), ShiaLabeouf_136 (C1), Shifa_126 (C1), Shnickers_137 (C1), SilverDipper_139 (C1), SiwenD96_138 (C1), SmallFry_137 (C1), SoilZilla_133 (C1), Spec_134 (C1), Specks_142 (C1), Sprinklers_133 (C1), Spud_136 (C1), SrishMeg2525_136 (C1), StephanieG_135 (C1), StubbySaigey_141 (C1), Stubby_130 (C1), Substance289_135 (C1), Tainan_140 (C1), Teardrop_136 (C1), TinyTim_137 (C1), Tonenili_150 (C1), Tortoise16_134 (C1), Trinitium_135 (C1), Turret_133 (C1), Tyke_137 (C1), ValleyTerrace_138 (C1), Vortrix_149 (C1), Wally_136 (C1), Yassified_134 (C1), YemiJoy2021_138 (C1), YoungMoneyMata_139 (C1), Yucca_136 (C1), Zalkecks_138 (C1), ZygoTaiga_135 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 5 was manually annotated 32 times for cluster C1.
•Start number 6 was manually annotated 160 times for cluster C1.

Gene Information:

Gene: Ablatia_137 Start: 78162, Stop: 79628, Start Num: 6
Candidate Starts for Ablatia_137:
(1, 77679), (2, 77718), (3, 77862), (4, 77889), (Start: 5 @78159 has 32 MA's), (Start: 6 @78162 has 160 MA's), (7, 78201), (11, 78279), (13, 78363), (15, 78435), (21, 78687), (22, 78696), (25, 78888), (27, 78969), (29, 79074), (31, 79095), (32, 79176), (33, 79206), (35, 79263), (36, 79296), (38, 79374), (39, 79377), (42, 79461), (45, 79515), (47, 79593),

Gene: Ading_137 Start: 78131, Stop: 79597, Start Num: 6
Candidate Starts for Ading_137:
(1, 77648), (2, 77687), (3, 77831), (4, 77858), (Start: 5 @78128 has 32 MA's), (Start: 6 @78131 has 160 MA's), (7, 78170), (11, 78248), (13, 78332), (15, 78404), (20, 78545), (21, 78656), (22, 78665), (25, 78857), (27, 78938), (29, 79043), (31, 79064), (32, 79145), (33, 79175), (35, 79232), (38, 79343), (39, 79346), (42, 79430), (45, 79484), (47, 79562),

Gene: Adlitam_138 Start: 78627, Stop: 80093, Start Num: 6
Candidate Starts for Adlitam_138:
(1, 78144), (2, 78183), (3, 78327), (4, 78354), (Start: 5 @78624 has 32 MA's), (Start: 6 @78627 has 160 MA's), (7, 78666), (11, 78744), (13, 78828), (15, 78900), (21, 79152), (22, 79161), (25, 79353), (27, 79434), (29, 79539), (31, 79560), (32, 79641), (33, 79671), (35, 79728), (36, 79761), (38, 79839), (39, 79842), (42, 79926), (45, 79980), (47, 80058),

Gene: Alice_130 Start: 77852, Stop: 79318, Start Num: 6
Candidate Starts for Alice_130:
(1, 77369), (2, 77408), (3, 77552), (4, 77579), (Start: 5 @77849 has 32 MA's), (Start: 6 @77852 has 160 MA's), (7, 77891), (11, 77969), (13, 78053), (15, 78125), (21, 78377), (22, 78386), (25, 78578), (27, 78659), (29, 78764), (31, 78785), (32, 78866), (33, 78896), (35, 78953), (38, 79064), (39, 79067), (42, 79151), (45, 79205), (46, 79259), (47, 79283),

Gene: Amataga_138 Start: 77872, Stop: 79338, Start Num: 6
Candidate Starts for Amataga_138:
(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: ArcherS7_136 Start: 77708, Stop: 79177, Start Num: 5
Candidate Starts for ArcherS7_136:
(1, 77228), (2, 77267), (3, 77411), (4, 77438), (Start: 5 @77708 has 32 MA's), (Start: 6 @77711 has 160 MA's), (7, 77750), (11, 77828), (13, 77912), (15, 77984), (20, 78125), (21, 78236), (22, 78245), (25, 78437), (27, 78518), (29, 78623), (31, 78644), (32, 78725), (33, 78755), (35, 78812), (38, 78923), (39, 78926), (42, 79010), (45, 79064), (47, 79142),

Gene: Asterius_140 Start: 78387, Stop: 79853, Start Num: 6
Candidate Starts for Asterius_140:
(1, 77904), (2, 77943), (3, 78087), (4, 78114), (Start: 5 @78384 has 32 MA's), (Start: 6 @78387 has 160 MA's), (7, 78426), (11, 78504), (13, 78588), (14, 78600), (15, 78660), (21, 78912), (22, 78921), (25, 79113), (27, 79194), (29, 79299), (31, 79320), (32, 79401), (33, 79431), (35, 79488), (38, 79599), (39, 79602), (42, 79686), (45, 79740), (47, 79818),

Gene: Astraea_133 Start: 77152, Stop: 78618, Start Num: 6
Candidate Starts for Astraea_133:

(1, 76669), (2, 76708), (3, 76852), (4, 76879), (Start: 5 @77149 has 32 MA's), (Start: 6 @77152 has 160 MA's), (7, 77191), (11, 77269), (13, 77353), (15, 77425), (21, 77677), (22, 77686), (25, 77878), (27, 77959), (29, 78064), (31, 78085), (32, 78166), (33, 78196), (35, 78253), (36, 78286), (37, 78352), (38, 78364), (39, 78367), (42, 78451), (45, 78505), (47, 78583),

Gene: Atlantean_137 Start: 77872, Stop: 79338, Start Num: 6
Candidate Starts for Atlantean_137:
(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: Audrick_140 Start: 77848, Stop: 79317, Start Num: 5
Candidate Starts for Audrick_140:
(1, 77368), (2, 77407), (3, 77551), (4, 77578), (Start: 5 @77848 has 32 MA's), (Start: 6 @77851 has 160 MA's), (7, 77890), (11, 77968), (13, 78052), (15, 78124), (20, 78265), (21, 78376), (22, 78385), (25, 78577), (27, 78658), (29, 78763), (31, 78784), (32, 78865), (33, 78895), (35, 78952), (38, 79063), (39, 79066), (42, 79150), (45, 79204), (47, 79282),

Gene: Ava3_138 Start: 78296, Stop: 79762, Start Num: 6
Candidate Starts for Ava3_138:
(1, 77813), (2, 77852), (3, 77996), (4, 78023), (Start: 5 @78293 has 32 MA's), (Start: 6 @78296 has 160 MA's), (7, 78335), (11, 78413), (13, 78497), (15, 78569), (21, 78821), (22, 78830), (25, 79022), (27, 79103), (29, 79208), (31, 79229), (32, 79310), (33, 79340), (35, 79397), (36, 79430), (38, 79508), (39, 79511), (42, 79595), (45, 79649), (47, 79727),

Gene: Babyland_139 Start: 77950, Stop: 79416, Start Num: 6
Candidate Starts for Babyland_139:
(1, 77467), (2, 77506), (3, 77650), (4, 77677), (Start: 5 @77947 has 32 MA's), (Start: 6 @77950 has 160 MA's), (7, 77989), (11, 78067), (13, 78151), (15, 78223), (20, 78364), (21, 78475), (22, 78484), (25, 78676), (27, 78757), (29, 78862), (31, 78883), (32, 78964), (33, 78994), (35, 79051), (38, 79162), (39, 79165), (42, 79249), (45, 79303), (47, 79381),

Gene: BackyardAgain_134 Start: 77299, Stop: 78765, Start Num: 6
Candidate Starts for BackyardAgain_134:
(1, 76816), (2, 76855), (3, 76999), (4, 77026), (Start: 5 @77296 has 32 MA's), (Start: 6 @77299 has 160 MA's), (7, 77338), (11, 77416), (13, 77500), (15, 77572), (21, 77824), (22, 77833), (25, 78025), (27, 78106), (29, 78211), (31, 78232), (32, 78313), (33, 78343), (35, 78400), (36, 78433), (38, 78511), (39, 78514), (42, 78598), (45, 78652), (47, 78730),

Gene: BadAgartude_133 Start: 78598, Stop: 80064, Start Num: 6
Candidate Starts for BadAgartude_133:
(1, 78115), (2, 78154), (3, 78298), (4, 78325), (Start: 5 @78595 has 32 MA's), (Start: 6 @78598 has 160 MA's), (7, 78637), (11, 78715), (13, 78799), (15, 78871), (21, 79123), (22, 79132), (25, 79324), (27, 79405), (29, 79510), (31, 79531), (32, 79612), (33, 79642), (35, 79699), (36, 79732), (38, 79810), (39, 79813), (42, 79897), (45, 79951), (47, 80029),

Gene: BananaFence_136 Start: 78552, Stop: 80018, Start Num: 6
Candidate Starts for BananaFence_136:
(1, 78069), (2, 78108), (3, 78252), (4, 78279), (Start: 5 @78549 has 32 MA's), (Start: 6 @78552 has 160 MA's), (7, 78591), (11, 78669), (13, 78753), (15, 78825), (21, 79077), (22, 79086), (25, 79278), (27, 79359), (29, 79464), (31, 79485), (32, 79566), (33, 79596), (35, 79653), (36, 79686), (37, 79752), (38, 79764), (39, 79767), (42, 79851), (45, 79905), (47, 79983),

Gene: Bangla1971_138 Start: 77838, Stop: 79307, Start Num: 5
Candidate Starts for Bangla1971_138:
(1, 77358), (2, 77397), (3, 77541), (4, 77568), (Start: 5 @77838 has 32 MA's), (Start: 6 @77841 has 160 MA's), (7, 77880), (11, 77958), (13, 78042), (15, 78114), (21, 78366), (22, 78375), (25, 78567), (27, 78648), (29, 78753), (31, 78774), (32, 78855), (33, 78885), (35, 78942), (36, 78975), (38, 79053), (39, 79056), (42, 79140), (45, 79194), (47, 79272),

Gene: Basquiat_134 Start: 77450, Stop: 78916, Start Num: 6
Candidate Starts for Basquiat_134:
(1, 76967), (2, 77006), (3, 77150), (4, 77177), (Start: 5 @77447 has 32 MA's), (Start: 6 @77450 has 160 MA's), (7, 77489), (11, 77567), (13, 77651), (15, 77723), (21, 77975), (22, 77984), (25, 78176), (27, 78257), (29, 78362), (31, 78383), (32, 78464), (33, 78494), (35, 78551), (36, 78584), (38, 78662), (39, 78665), (42, 78749), (45, 78803), (47, 78881),

Gene: BeanWater_129 Start: 78150, Stop: 79616, Start Num: 6
Candidate Starts for BeanWater_129:
(1, 77667), (2, 77706), (3, 77850), (4, 77877), (Start: 5 @78147 has 32 MA's), (Start: 6 @78150 has 160 MA's), (7, 78189), (11, 78267), (13, 78351), (15, 78423), (21, 78675), (22, 78684), (25, 78876), (27, 78957), (29, 79062), (31, 79083), (32, 79164), (33, 79194), (35, 79251), (36, 79284), (38, 79362), (39, 79365), (42, 79449), (45, 79503), (47, 79581),

Gene: Belieber_133 Start: 77625, Stop: 79091, Start Num: 6
Candidate Starts for Belieber_133:
(1, 77142), (2, 77181), (3, 77325), (4, 77352), (Start: 5 @77622 has 32 MA's), (Start: 6 @77625 has 160 MA's), (7, 77664), (11, 77742), (13, 77826), (15, 77898), (21, 78150), (22, 78159), (25, 78351), (27, 78432), (29, 78537), (31, 78558), (32, 78639), (33, 78669), (35, 78726), (36, 78759), (38, 78837), (39, 78840), (42, 78924), (45, 78978), (47, 79056),

Gene: Bezza_131 Start: 78208, Stop: 79674, Start Num: 6
Candidate Starts for Bezza_131:
(1, 77725), (2, 77764), (3, 77908), (4, 77935), (Start: 5 @78205 has 32 MA's), (Start: 6 @78208 has 160 MA's), (7, 78247), (11, 78325), (13, 78409), (14, 78421), (15, 78481), (21, 78733), (22, 78742), (25, 78934), (27, 79015), (29, 79120), (31, 79141), (32, 79222), (33, 79252), (35, 79309), (38, 79420), (39, 79423), (43, 79528), (44, 79546), (46, 79615), (47, 79639),

Gene: BigCity_145 Start: 80822, Stop: 82288, Start Num: 6
Candidate Starts for BigCity_145:
(1, 80339), (2, 80378), (3, 80522), (4, 80549), (Start: 5 @80819 has 32 MA's), (Start: 6 @80822 has 160 MA's), (7, 80861), (11, 80939), (13, 81023), (15, 81095), (21, 81347), (22, 81356), (25, 81548), (27, 81629), (29, 81734), (31, 81755), (32, 81836), (33, 81866), (35, 81923), (36, 81956), (38, 82034), (39, 82037), (42, 82121), (45, 82175), (47, 82253),

Gene: Bigswole_140 Start: 80107, Stop: 81573, Start Num: 6
Candidate Starts for Bigswole_140:
(1, 79624), (2, 79663), (3, 79807), (4, 79834), (Start: 5 @80104 has 32 MA's), (Start: 6 @80107 has 160 MA's), (7, 80146), (11, 80224), (13, 80308), (15, 80380), (21, 80632), (22, 80641), (25, 80833), (27, 80914), (29, 81019), (31, 81040), (32, 81121), (33, 81151), (35, 81208), (36, 81241), (38, 81319), (39, 81322), (42, 81406), (45, 81460), (47, 81538),

Gene: Bipolarisk_136 Start: 78561, Stop: 80030, Start Num: 5
Candidate Starts for Bipolarisk_136:

(1, 78081), (2, 78120), (3, 78264), (4, 78291), (Start: 5 @78561 has 32 MA's), (Start: 6 @78564 has 160 MA's), (7, 78603), (11, 78681), (13, 78765), (15, 78837), (21, 79089), (22, 79098), (25, 79290), (27, 79371), (29, 79476), (31, 79497), (32, 79578), (33, 79608), (35, 79665), (36, 79698), (38, 79776), (39, 79779), (42, 79863), (45, 79917), (47, 79995),

Gene: Blackbrain_133 Start: 77335, Stop: 78801, Start Num: 6
Candidate Starts for Blackbrain_133:
(1, 76852), (2, 76891), (3, 77035), (4, 77062), (Start: 5 @77332 has 32 MA's), (Start: 6 @77335 has 160 MA's), (7, 77374), (11, 77452), (13, 77536), (15, 77608), (21, 77860), (22, 77869), (25, 78061), (27, 78142), (29, 78247), (31, 78268), (32, 78349), (33, 78379), (35, 78436), (36, 78469), (38, 78547), (39, 78550), (42, 78634), (45, 78688), (47, 78766),

Gene: Blackdragon_133 Start: 77979, Stop: 79445, Start Num: 6
Candidate Starts for Blackdragon_133:
(1, 77496), (2, 77535), (3, 77679), (4, 77706), (Start: 5 @77976 has 32 MA's), (Start: 6 @77979 has 160 MA's), (7, 78018), (11, 78096), (13, 78180), (15, 78252), (21, 78504), (22, 78513), (25, 78705), (27, 78786), (29, 78891), (31, 78912), (32, 78993), (33, 79023), (35, 79080), (36, 79113), (38, 79191), (39, 79194), (43, 79299), (44, 79317), (46, 79386), (47, 79410),

Gene: Blubba_129 Start: 79697, Stop: 81163, Start Num: 6
Candidate Starts for Blubba_129:
(1, 79214), (2, 79253), (3, 79397), (4, 79424), (Start: 5 @79694 has 32 MA's), (Start: 6 @79697 has 160 MA's), (7, 79736), (10, 79763), (11, 79814), (13, 79898), (15, 79970), (21, 80222), (22, 80231), (25, 80423), (27, 80504), (29, 80609), (31, 80630), (32, 80711), (33, 80741), (35, 80798), (36, 80831), (38, 80909), (39, 80912), (42, 80996), (45, 81050), (47, 81128),

Gene: BobaPhatt_134 Start: 76914, Stop: 78380, Start Num: 6
Candidate Starts for BobaPhatt_134:
(1, 76431), (2, 76470), (3, 76614), (4, 76641), (Start: 5 @76911 has 32 MA's), (Start: 6 @76914 has 160 MA's), (7, 76953), (11, 77031), (13, 77115), (15, 77187), (21, 77439), (22, 77448), (25, 77640), (27, 77721), (29, 77826), (31, 77847), (32, 77928), (33, 77958), (35, 78015), (36, 78048), (38, 78126), (39, 78129), (42, 78213), (45, 78267), (47, 78345),

Gene: Bonray_138 Start: 79206, Stop: 80672, Start Num: 6
Candidate Starts for Bonray_138:
(1, 78723), (2, 78762), (3, 78906), (4, 78933), (Start: 5 @79203 has 32 MA's), (Start: 6 @79206 has 160 MA's), (7, 79245), (11, 79323), (13, 79407), (15, 79479), (21, 79731), (22, 79740), (25, 79932), (27, 80013), (29, 80118), (31, 80139), (32, 80220), (33, 80250), (35, 80307), (36, 80340), (38, 80418), (39, 80421), (42, 80505), (45, 80559), (47, 80637),

Gene: Bowman_139 Start: 78288, Stop: 79754, Start Num: 6
Candidate Starts for Bowman_139:
(1, 77805), (2, 77844), (3, 77988), (4, 78015), (Start: 5 @78285 has 32 MA's), (Start: 6 @78288 has 160 MA's), (7, 78327), (11, 78405), (13, 78489), (15, 78561), (21, 78813), (22, 78822), (25, 79014), (27, 79095), (29, 79200), (31, 79221), (32, 79302), (33, 79332), (35, 79389), (36, 79422), (37, 79488), (38, 79500), (39, 79503), (42, 79587), (45, 79641), (47, 79719),

Gene: Bread_136 Start: 78379, Stop: 79848, Start Num: 5
Candidate Starts for Bread_136:
(1, 77899), (2, 77938), (3, 78082), (4, 78109), (Start: 5 @78379 has 32 MA's), (Start: 6 @78382 has 160 MA's), (7, 78421), (11, 78499), (13, 78583), (14, 78595), (15, 78655), (21, 78907), (22, 78916), (25, 79108), (27, 79189), (29, 79294), (31, 79315), (32, 79396), (33, 79426), (35, 79483), (38, 79594), (39, 79597), (42, 79681), (45, 79735), (47, 79813),

Gene: Breeniome_136 Start: 76740, Stop: 78206, Start Num: 6
Candidate Starts for Breeniome_136:
(1, 76257), (2, 76296), (3, 76440), (4, 76467), (Start: 5 @76737 has 32 MA's), (Start: 6 @76740 has 160 MA's), (7, 76779), (11, 76857), (13, 76941), (15, 77013), (21, 77265), (22, 77274), (25, 77466), (27, 77547), (29, 77652), (31, 77673), (32, 77754), (33, 77784), (35, 77841), (38, 77952), (39, 77955), (42, 78039), (45, 78093), (47, 78171),

Gene: Burrough_137 Start: 78891, Stop: 80357, Start Num: 6
Candidate Starts for Burrough_137:
(1, 78408), (2, 78447), (3, 78591), (4, 78618), (Start: 5 @78888 has 32 MA's), (Start: 6 @78891 has 160 MA's), (7, 78930), (11, 79008), (13, 79092), (15, 79164), (21, 79416), (22, 79425), (25, 79617), (27, 79698), (29, 79803), (31, 79824), (32, 79905), (33, 79935), (35, 79992), (38, 80103), (39, 80106), (42, 80190), (45, 80244), (47, 80322),

Gene: Bxz1_134 Start: 80091, Stop: 81560, Start Num: 5
Candidate Starts for Bxz1_134:
(1, 79611), (2, 79650), (3, 79794), (4, 79821), (Start: 5 @80091 has 32 MA's), (Start: 6 @80094 has 160 MA's), (7, 80133), (11, 80211), (13, 80295), (15, 80367), (21, 80619), (22, 80628), (25, 80820), (27, 80901), (29, 81006), (31, 81027), (32, 81108), (33, 81138), (35, 81195), (38, 81306), (39, 81309), (42, 81393), (45, 81447), (47, 81525),

Gene: Cactojaque_133 Start: 77442, Stop: 78908, Start Num: 6
Candidate Starts for Cactojaque_133:
(1, 76959), (2, 76998), (3, 77142), (4, 77169), (Start: 5 @77439 has 32 MA's), (Start: 6 @77442 has 160 MA's), (7, 77481), (11, 77559), (13, 77643), (15, 77715), (21, 77967), (22, 77976), (25, 78168), (27, 78249), (29, 78354), (31, 78375), (32, 78456), (33, 78486), (35, 78543), (38, 78654), (39, 78657), (42, 78741), (45, 78795), (47, 78873),

Gene: Cali_132 Start: 78890, Stop: 80359, Start Num: 5
Candidate Starts for Cali_132:
(1, 78410), (2, 78449), (3, 78593), (4, 78620), (Start: 5 @78890 has 32 MA's), (Start: 6 @78893 has 160 MA's), (7, 78932), (11, 79010), (13, 79094), (15, 79166), (21, 79418), (22, 79427), (25, 79619), (27, 79700), (29, 79805), (31, 79826), (32, 79907), (33, 79937), (35, 79994), (36, 80027), (38, 80105), (39, 80108), (42, 80192), (45, 80246), (47, 80324),

Gene: Cane17_129 Start: 79752, Stop: 81221, Start Num: 5
Candidate Starts for Cane17_129:
(1, 79272), (2, 79311), (3, 79455), (4, 79482), (Start: 5 @79752 has 32 MA's), (Start: 6 @79755 has 160 MA's), (7, 79794), (10, 79821), (11, 79872), (13, 79956), (15, 80028), (21, 80280), (22, 80289), (25, 80481), (27, 80562), (29, 80667), (31, 80688), (32, 80769), (33, 80799), (35, 80856), (36, 80889), (38, 80967), (39, 80970), (42, 81054), (45, 81108), (47, 81186),

Gene: Capablanca_140 Start: 79622, Stop: 81088, Start Num: 6
Candidate Starts for Capablanca_140:
(1, 79139), (2, 79178), (3, 79322), (4, 79349), (Start: 5 @79619 has 32 MA's), (Start: 6 @79622 has 160 MA's), (7, 79661), (11, 79739), (13, 79823), (15, 79895), (20, 80036), (21, 80147), (22, 80156), (25, 80348), (27, 80429), (29, 80534), (31, 80555), (32, 80636), (33, 80666), (35, 80723), (38, 80834), (39, 80837), (42, 80921), (45, 80975), (47, 81053),

Gene: Caravan_131 Start: 78250, Stop: 79716, Start Num: 6
Candidate Starts for Caravan_131:

(1, 77767), (2, 77806), (3, 77950), (4, 77977), (Start: 5 @78247 has 32 MA's), (Start: 6 @78250 has 160 MA's), (7, 78289), (11, 78367), (13, 78451), (15, 78523), (21, 78775), (22, 78784), (25, 78976), (27, 79057), (29, 79162), (31, 79183), (32, 79264), (33, 79294), (35, 79351), (38, 79462), (39, 79465), (42, 79549), (45, 79603), (47, 79681),

Gene: Catera_133 Start: 77154, Stop: 78623, Start Num: 5
Candidate Starts for Catera_133:
(1, 76674), (2, 76713), (3, 76857), (4, 76884), (Start: 5 @77154 has 32 MA's), (Start: 6 @77157 has 160 MA's), (7, 77196), (11, 77274), (13, 77358), (15, 77430), (21, 77682), (22, 77691), (25, 77883), (27, 77964), (29, 78069), (31, 78090), (32, 78171), (33, 78201), (35, 78258), (36, 78291), (38, 78369), (39, 78372), (42, 78456), (45, 78510), (47, 78588),

Gene: Chargie21_134 Start: 77450, Stop: 78916, Start Num: 6
Candidate Starts for Chargie21_134:
(1, 76967), (2, 77006), (3, 77150), (4, 77177), (Start: 5 @77447 has 32 MA's), (Start: 6 @77450 has 160 MA's), (7, 77489), (11, 77567), (13, 77651), (15, 77723), (21, 77975), (22, 77984), (25, 78176), (27, 78257), (29, 78362), (31, 78383), (32, 78464), (33, 78494), (35, 78551), (36, 78584), (38, 78662), (39, 78665), (42, 78749), (45, 78803), (47, 78881),

Gene: CharlieB_134 Start: 77776, Stop: 79242, Start Num: 6
Candidate Starts for CharlieB_134:
(1, 77293), (2, 77332), (3, 77476), (4, 77503), (Start: 5 @77773 has 32 MA's), (Start: 6 @77776 has 160 MA's), (7, 77815), (11, 77893), (13, 77977), (15, 78049), (21, 78301), (22, 78310), (25, 78502), (27, 78583), (29, 78688), (31, 78709), (32, 78790), (33, 78820), (35, 78877), (36, 78910), (38, 78988), (39, 78991), (42, 79075), (45, 79129), (47, 79207),

Gene: ChaylaJr_133 Start: 77258, Stop: 78724, Start Num: 6
Candidate Starts for ChaylaJr_133:
(1, 76775), (2, 76814), (3, 76958), (4, 76985), (Start: 5 @77255 has 32 MA's), (Start: 6 @77258 has 160 MA's), (7, 77297), (11, 77375), (13, 77459), (15, 77531), (21, 77783), (22, 77792), (25, 77984), (27, 78065), (29, 78170), (31, 78191), (32, 78272), (33, 78302), (35, 78359), (36, 78392), (38, 78470), (39, 78473), (42, 78557), (45, 78611), (47, 78689),

Gene: ChickenPhender_133 Start: 77082, Stop: 78548, Start Num: 6
Candidate Starts for ChickenPhender_133:
(1, 76599), (2, 76638), (3, 76782), (4, 76809), (Start: 5 @77079 has 32 MA's), (Start: 6 @77082 has 160 MA's), (7, 77121), (11, 77199), (13, 77283), (15, 77355), (21, 77607), (22, 77616), (25, 77808), (27, 77889), (29, 77994), (31, 78015), (32, 78096), (33, 78126), (35, 78183), (36, 78216), (38, 78294), (39, 78297), (42, 78381), (45, 78435), (47, 78513),

Gene: Chomp_137 Start: 79161, Stop: 80627, Start Num: 6
Candidate Starts for Chomp_137:
(1, 78678), (2, 78717), (3, 78861), (4, 78888), (Start: 5 @79158 has 32 MA's), (Start: 6 @79161 has 160 MA's), (7, 79200), (11, 79278), (13, 79362), (15, 79434), (20, 79575), (21, 79686), (22, 79695), (25, 79887), (27, 79968), (29, 80073), (31, 80094), (32, 80175), (33, 80205), (35, 80262), (38, 80373), (39, 80376), (42, 80460), (45, 80514), (47, 80592),

Gene: CindyLou_139 Start: 79201, Stop: 80667, Start Num: 6
Candidate Starts for CindyLou_139:
(1, 78718), (2, 78757), (3, 78901), (4, 78928), (Start: 5 @79198 has 32 MA's), (Start: 6 @79201 has 160 MA's), (7, 79240), (11, 79318), (13, 79402), (15, 79474), (21, 79726), (22, 79735), (25, 79927), (27, 80008), (29, 80113), (31, 80134), (32, 80215), (33, 80245), (35, 80302), (36, 80335), (38, 80413), (39, 80416), (42, 80500), (45, 80554), (47, 80632),

Gene: Cleatunium_130 Start: 77369, Stop: 78835, Start Num: 6
Candidate Starts for Cleatunium_130:
(1, 76886), (2, 76925), (3, 77069), (4, 77096), (Start: 5 @77366 has 32 MA's), (Start: 6 @77369 has 160 MA's), (7, 77408), (11, 77486), (13, 77570), (15, 77642), (21, 77894), (22, 77903), (25, 78095), (27, 78176), (29, 78281), (31, 78302), (32, 78383), (33, 78413), (35, 78470), (38, 78581), (39, 78584), (42, 78668), (45, 78722), (47, 78800),

Gene: Colt_129 Start: 79872, Stop: 81338, Start Num: 6
Candidate Starts for Colt_129:
(1, 79389), (2, 79428), (3, 79572), (4, 79599), (Start: 5 @79869 has 32 MA's), (Start: 6 @79872 has 160 MA's), (7, 79911), (10, 79938), (11, 79989), (13, 80073), (15, 80145), (21, 80397), (22, 80406), (25, 80598), (27, 80679), (29, 80784), (31, 80805), (32, 80886), (33, 80916), (35, 80973), (36, 81006), (38, 81084), (39, 81087), (42, 81171), (45, 81225), (47, 81303),

Gene: Concombre_143 Start: 81055, Stop: 82521, Start Num: 6
Candidate Starts for Concombre_143:
(1, 80572), (2, 80611), (3, 80755), (4, 80782), (Start: 5 @81052 has 32 MA's), (Start: 6 @81055 has 160 MA's), (7, 81094), (11, 81172), (13, 81256), (15, 81328), (21, 81580), (22, 81589), (25, 81781), (27, 81862), (29, 81967), (31, 81988), (32, 82069), (33, 82099), (35, 82156), (38, 82267), (39, 82270), (42, 82354), (45, 82408), (47, 82486),

Gene: DTDevon_137 Start: 78923, Stop: 80389, Start Num: 6
Candidate Starts for DTDevon_137:
(1, 78440), (2, 78479), (3, 78623), (4, 78650), (Start: 5 @78920 has 32 MA's), (Start: 6 @78923 has 160 MA's), (7, 78962), (11, 79040), (13, 79124), (15, 79196), (21, 79448), (22, 79457), (25, 79649), (27, 79730), (29, 79835), (31, 79856), (32, 79937), (33, 79967), (35, 80024), (36, 80057), (38, 80135), (39, 80138), (42, 80222), (45, 80276), (47, 80354),

Gene: Daffodil_142 Start: 78864, Stop: 80330, Start Num: 6
Candidate Starts for Daffodil_142:
(1, 78381), (2, 78420), (3, 78564), (4, 78591), (Start: 5 @78861 has 32 MA's), (Start: 6 @78864 has 160 MA's), (7, 78903), (11, 78981), (13, 79065), (15, 79137), (21, 79389), (22, 79398), (25, 79590), (27, 79671), (29, 79776), (31, 79797), (32, 79878), (33, 79908), (35, 79965), (36, 79998), (38, 80076), (39, 80079), (42, 80163), (45, 80217), (47, 80295),

Gene: Dandelion_142 Start: 81056, Stop: 82522, Start Num: 6
Candidate Starts for Dandelion_142:
(1, 80573), (2, 80612), (3, 80756), (4, 80783), (Start: 5 @81053 has 32 MA's), (Start: 6 @81056 has 160 MA's), (7, 81095), (11, 81173), (13, 81257), (15, 81329), (21, 81581), (22, 81590), (25, 81782), (27, 81863), (29, 81968), (31, 81989), (32, 82070), (33, 82100), (35, 82157), (38, 82268), (39, 82271), (42, 82355), (45, 82409), (47, 82487),

Gene: Darko_137 Start: 78556, Stop: 80022, Start Num: 6
Candidate Starts for Darko_137:
(1, 78073), (2, 78112), (3, 78256), (4, 78283), (Start: 5 @78553 has 32 MA's), (Start: 6 @78556 has 160 MA's), (7, 78595), (11, 78673), (13, 78757), (15, 78829), (21, 79081), (22, 79090), (25, 79282), (27, 79363), (29, 79468), (31, 79489), (32, 79570), (33, 79600), (35, 79657), (38, 79768), (39, 79771), (42, 79855), (45, 79909), (47, 79987),

Gene: DeejaClivia_124 Start: 75222, Stop: 76688, Start Num: 6
Candidate Starts for DeejaClivia_124:

(1, 74739), (2, 74778), (3, 74922), (4, 74949), (Start: 5 @75219 has 32 MA's), (Start: 6 @75222 has 160 MA's), (7, 75261), (11, 75339), (13, 75423), (15, 75495), (21, 75747), (22, 75756), (25, 75948), (27, 76029), (29, 76134), (31, 76155), (32, 76236), (33, 76266), (35, 76323), (38, 76434), (39, 76437), (42, 76521), (45, 76575), (47, 76653),

Gene: Delilah_137 Start: 79018, Stop: 80484, Start Num: 6
Candidate Starts for Delilah_137:
(1, 78535), (2, 78574), (3, 78718), (4, 78745), (Start: 5 @79015 has 32 MA's), (Start: 6 @79018 has 160 MA's), (7, 79057), (11, 79135), (13, 79219), (15, 79291), (21, 79543), (22, 79552), (25, 79744), (27, 79825), (29, 79930), (31, 79951), (32, 80032), (33, 80062), (35, 80119), (38, 80230), (39, 80233), (42, 80317), (45, 80371), (47, 80449),

Gene: Delylah_140 Start: 78557, Stop: 80023, Start Num: 6
Candidate Starts for Delylah_140:
(1, 78074), (2, 78113), (3, 78257), (4, 78284), (Start: 5 @78554 has 32 MA's), (Start: 6 @78557 has 160 MA's), (7, 78596), (11, 78674), (13, 78758), (15, 78830), (21, 79082), (22, 79091), (25, 79283), (27, 79364), (29, 79469), (31, 79490), (32, 79571), (33, 79601), (35, 79658), (36, 79691), (38, 79769), (39, 79772), (42, 79856), (45, 79910), (47, 79988),

Gene: Demodog_144 Start: 81064, Stop: 82530, Start Num: 6
Candidate Starts for Demodog_144:
(1, 80581), (2, 80620), (3, 80764), (4, 80791), (Start: 5 @81061 has 32 MA's), (Start: 6 @81064 has 160 MA's), (7, 81103), (11, 81181), (13, 81265), (15, 81337), (21, 81589), (22, 81598), (25, 81790), (27, 81871), (29, 81976), (31, 81997), (32, 82078), (33, 82108), (35, 82165), (38, 82276), (39, 82279), (42, 82363), (45, 82417), (47, 82495),

Gene: Derek_136 Start: 78483, Stop: 79949, Start Num: 6
Candidate Starts for Derek_136:
(1, 78000), (2, 78039), (3, 78183), (4, 78210), (Start: 5 @78480 has 32 MA's), (Start: 6 @78483 has 160 MA's), (7, 78522), (11, 78600), (13, 78684), (15, 78756), (21, 79008), (22, 79017), (25, 79209), (27, 79290), (29, 79395), (31, 79416), (32, 79497), (33, 79527), (35, 79584), (36, 79617), (38, 79695), (39, 79698), (42, 79782), (45, 79836), (47, 79914),

Gene: Dessert_138 Start: 77438, Stop: 78904, Start Num: 6
Candidate Starts for Dessert_138:
(1, 76955), (2, 76994), (3, 77138), (4, 77165), (Start: 5 @77435 has 32 MA's), (Start: 6 @77438 has 160 MA's), (7, 77477), (11, 77555), (13, 77639), (15, 77711), (20, 77852), (21, 77963), (22, 77972), (25, 78164), (27, 78245), (29, 78350), (31, 78371), (32, 78452), (33, 78482), (35, 78539), (38, 78650), (39, 78653), (42, 78737), (45, 78791), (47, 78869),

Gene: Dietrick_129 Start: 76559, Stop: 78025, Start Num: 6
Candidate Starts for Dietrick_129:
(1, 76076), (2, 76115), (3, 76259), (4, 76286), (Start: 5 @76556 has 32 MA's), (Start: 6 @76559 has 160 MA's), (7, 76598), (11, 76676), (13, 76760), (15, 76832), (21, 77084), (22, 77093), (25, 77285), (27, 77366), (29, 77471), (31, 77492), (32, 77573), (33, 77603), (35, 77660), (38, 77771), (39, 77774), (42, 77858), (45, 77912), (47, 77990),

Gene: DirtMonster_131 Start: 77817, Stop: 79283, Start Num: 6
Candidate Starts for DirtMonster_131:
(1, 77334), (2, 77373), (3, 77517), (4, 77544), (Start: 5 @77814 has 32 MA's), (Start: 6 @77817 has 160 MA's), (7, 77856), (11, 77934), (13, 78018), (15, 78090), (21, 78342), (22, 78351), (25, 78543), (27, 78624), (29, 78729), (31, 78750), (32, 78831), (33, 78861), (35, 78918), (36, 78951), (38, 79029), (39, 79032), (41, 79110), (42, 79116), (45, 79170), (47, 79248),

Gene: Domi_130 Start: 77896, Stop: 79362, Start Num: 6
Candidate Starts for Domi_130:
(1, 77413), (2, 77452), (3, 77596), (4, 77623), (Start: 5 @77893 has 32 MA's), (Start: 6 @77896 has 160 MA's), (7, 77935), (11, 78013), (13, 78097), (15, 78169), (21, 78421), (22, 78430), (25, 78622), (27, 78703), (29, 78808), (31, 78829), (32, 78910), (33, 78940), (35, 78997), (36, 79030), (38, 79108), (39, 79111), (42, 79195), (45, 79249), (47, 79327),

Gene: DrPhinkDaddy_136 Start: 79076, Stop: 80542, Start Num: 6
Candidate Starts for DrPhinkDaddy_136:
(1, 78593), (2, 78632), (3, 78776), (4, 78803), (Start: 5 @79073 has 32 MA's), (Start: 6 @79076 has 160 MA's), (7, 79115), (11, 79193), (13, 79277), (15, 79349), (21, 79601), (22, 79610), (25, 79802), (27, 79883), (29, 79988), (31, 80009), (32, 80090), (33, 80120), (35, 80177), (36, 80210), (38, 80288), (39, 80291), (42, 80375), (45, 80429), (47, 80507),

Gene: Drazdys_135 Start: 77544, Stop: 79013, Start Num: 5
Candidate Starts for Drazdys_135:
(1, 77064), (2, 77103), (3, 77247), (4, 77274), (Start: 5 @77544 has 32 MA's), (Start: 6 @77547 has 160 MA's), (7, 77586), (11, 77664), (13, 77748), (15, 77820), (21, 78072), (22, 78081), (25, 78273), (27, 78354), (29, 78459), (31, 78480), (32, 78561), (33, 78591), (35, 78648), (38, 78759), (39, 78762), (42, 78846), (45, 78900), (47, 78978),

Gene: Duckfeet_131 Start: 77488, Stop: 78954, Start Num: 6
Candidate Starts for Duckfeet_131:
(1, 77005), (2, 77044), (3, 77188), (4, 77215), (Start: 5 @77485 has 32 MA's), (Start: 6 @77488 has 160 MA's), (7, 77527), (11, 77605), (13, 77689), (15, 77761), (21, 78013), (22, 78022), (25, 78214), (27, 78295), (29, 78400), (31, 78421), (32, 78502), (33, 78532), (35, 78589), (36, 78622), (38, 78700), (39, 78703), (42, 78787), (45, 78841), (47, 78919),

Gene: ET08_125 Start: 77534, Stop: 79003, Start Num: 5
Candidate Starts for ET08_125:
(1, 77054), (2, 77093), (3, 77237), (4, 77264), (Start: 5 @77534 has 32 MA's), (Start: 6 @77537 has 160 MA's), (7, 77576), (11, 77654), (13, 77738), (15, 77810), (21, 78062), (22, 78071), (25, 78263), (27, 78344), (29, 78449), (31, 78470), (32, 78551), (33, 78581), (35, 78638), (38, 78749), (39, 78752), (42, 78836), (45, 78890), (46, 78944), (47, 78968),

Gene: EasyJones_140 Start: 78101, Stop: 79570, Start Num: 5
Candidate Starts for EasyJones_140:
(1, 77621), (2, 77660), (3, 77804), (4, 77831), (Start: 5 @78101 has 32 MA's), (Start: 6 @78104 has 160 MA's), (7, 78143), (11, 78221), (13, 78305), (15, 78377), (21, 78629), (22, 78638), (25, 78830), (27, 78911), (29, 79016), (31, 79037), (32, 79118), (33, 79148), (35, 79205), (38, 79316), (39, 79319), (42, 79403), (45, 79457), (47, 79535),

Gene: EggyFarm_145 Start: 80822, Stop: 82288, Start Num: 6
Candidate Starts for EggyFarm_145:
(1, 80339), (2, 80378), (3, 80522), (4, 80549), (Start: 5 @80819 has 32 MA's), (Start: 6 @80822 has 160 MA's), (7, 80861), (11, 80939), (13, 81023), (15, 81095), (21, 81347), (22, 81356), (25, 81548), (27, 81629), (29, 81734), (31, 81755), (32, 81836), (33, 81866), (35, 81923), (36, 81956), (38, 82034), (39, 82037), (42, 82121), (45, 82175), (47, 82253),

Gene: EmToTheThree_139 Start: 79816, Stop: 81282, Start Num: 6
Candidate Starts for EmToTheThree_139:

(1, 79333), (2, 79372), (3, 79516), (4, 79543), (Start: 5 @79813 has 32 MA's), (Start: 6 @79816 has 160 MA's), (7, 79855), (11, 79933), (13, 80017), (15, 80089), (21, 80341), (22, 80350), (25, 80542), (27, 80623), (29, 80728), (31, 80749), (32, 80830), (33, 80860), (35, 80917), (38, 81028), (39, 81031), (42, 81115), (45, 81169), (47, 81247),

Gene: EmmaElysia_138 Start: 78091, Stop: 79557, Start Num: 6
Candidate Starts for EmmaElysia_138:
(1, 77608), (2, 77647), (3, 77791), (4, 77818), (Start: 5 @78088 has 32 MA's), (Start: 6 @78091 has 160 MA's), (7, 78130), (11, 78208), (13, 78292), (15, 78364), (21, 78616), (22, 78625), (25, 78817), (27, 78898), (29, 79003), (31, 79024), (32, 79105), (33, 79135), (35, 79192), (36, 79225), (38, 79303), (39, 79306), (42, 79390), (45, 79444), (47, 79522),

Gene: Erdmann_137 Start: 78865, Stop: 80331, Start Num: 6
Candidate Starts for Erdmann_137:
(1, 78382), (2, 78421), (3, 78565), (4, 78592), (Start: 5 @78862 has 32 MA's), (Start: 6 @78865 has 160 MA's), (7, 78904), (11, 78982), (13, 79066), (15, 79138), (21, 79390), (22, 79399), (25, 79591), (27, 79672), (29, 79777), (31, 79798), (32, 79879), (33, 79909), (35, 79966), (36, 79999), (38, 80077), (39, 80080), (42, 80164), (45, 80218), (47, 80296),

Gene: ErnieJ_131 Start: 76834, Stop: 78300, Start Num: 6
Candidate Starts for ErnieJ_131:
(1, 76351), (2, 76390), (3, 76534), (4, 76561), (Start: 5 @76831 has 32 MA's), (Start: 6 @76834 has 160 MA's), (7, 76873), (11, 76951), (13, 77035), (15, 77107), (21, 77359), (22, 77368), (25, 77560), (27, 77641), (29, 77746), (31, 77767), (32, 77848), (33, 77878), (35, 77935), (36, 77968), (38, 78046), (39, 78049), (42, 78133), (45, 78187), (47, 78265),

Gene: Essence_134 Start: 77713, Stop: 79179, Start Num: 6
Candidate Starts for Essence_134:
(1, 77230), (2, 77269), (3, 77413), (4, 77440), (Start: 5 @77710 has 32 MA's), (Start: 6 @77713 has 160 MA's), (7, 77752), (11, 77830), (13, 77914), (15, 77986), (21, 78238), (22, 78247), (25, 78439), (27, 78520), (29, 78625), (31, 78646), (32, 78727), (33, 78757), (35, 78814), (36, 78847), (38, 78925), (39, 78928), (42, 79012), (45, 79066), (47, 79144),

Gene: Ewok_138 Start: 78242, Stop: 79708, Start Num: 6
Candidate Starts for Ewok_138:
(1, 77759), (2, 77798), (3, 77942), (4, 77969), (Start: 5 @78239 has 32 MA's), (Start: 6 @78242 has 160 MA's), (7, 78281), (11, 78359), (13, 78443), (15, 78515), (21, 78767), (22, 78776), (25, 78968), (27, 79049), (29, 79154), (31, 79175), (32, 79256), (33, 79286), (35, 79343), (36, 79376), (38, 79454), (39, 79457), (42, 79541), (45, 79595), (47, 79673),

Gene: Fixie_130 Start: 77985, Stop: 79451, Start Num: 6
Candidate Starts for Fixie_130:
(1, 77502), (2, 77541), (3, 77685), (4, 77712), (Start: 5 @77982 has 32 MA's), (Start: 6 @77985 has 160 MA's), (7, 78024), (11, 78102), (13, 78186), (15, 78258), (20, 78399), (21, 78510), (22, 78519), (25, 78711), (27, 78792), (29, 78897), (31, 78918), (32, 78999), (33, 79029), (35, 79086), (38, 79197), (39, 79200), (42, 79284), (45, 79338), (47, 79416),

Gene: Flabslab_132 Start: 76424, Stop: 77890, Start Num: 6
Candidate Starts for Flabslab_132:
(1, 75941), (2, 75980), (3, 76124), (4, 76151), (Start: 5 @76421 has 32 MA's), (Start: 6 @76424 has 160 MA's), (7, 76463), (11, 76541), (13, 76625), (15, 76697), (21, 76949), (22, 76958), (25, 77150), (27, 77231), (29, 77336), (31, 77357), (32, 77438), (33, 77468), (35, 77525), (36, 77558), (38, 77636), (39, 77639), (42, 77723), (45, 77777), (47, 77855),

Gene: Fludd_138 Start: 77890, Stop: 79356, Start Num: 6
Candidate Starts for Fludd_138:
(1, 77407), (2, 77446), (3, 77590), (4, 77617), (Start: 5 @77887 has 32 MA's), (Start: 6 @77890 has 160 MA's), (7, 77929), (11, 78007), (13, 78091), (15, 78163), (21, 78415), (22, 78424), (25, 78616), (27, 78697), (29, 78802), (31, 78823), (32, 78904), (33, 78934), (35, 78991), (36, 79024), (38, 79102), (39, 79105), (42, 79189), (45, 79243), (47, 79321),

Gene: Fongie_135 Start: 78455, Stop: 79921, Start Num: 6
Candidate Starts for Fongie_135:
(1, 77972), (2, 78011), (3, 78155), (4, 78182), (Start: 5 @78452 has 32 MA's), (Start: 6 @78455 has 160 MA's), (7, 78494), (11, 78572), (13, 78656), (14, 78668), (15, 78728), (21, 78980), (22, 78989), (25, 79181), (27, 79262), (29, 79367), (31, 79388), (32, 79469), (33, 79499), (35, 79556), (38, 79667), (39, 79670), (42, 79754), (45, 79808), (47, 79886),

Gene: FoxtrotP1_137 Start: 80025, Stop: 81491, Start Num: 6
Candidate Starts for FoxtrotP1_137:
(1, 79542), (2, 79581), (3, 79725), (4, 79752), (Start: 5 @80022 has 32 MA's), (Start: 6 @80025 has 160 MA's), (7, 80064), (11, 80142), (13, 80226), (14, 80238), (15, 80298), (21, 80550), (22, 80559), (25, 80751), (27, 80832), (29, 80937), (31, 80958), (32, 81039), (33, 81069), (35, 81126), (36, 81159), (38, 81237), (39, 81240), (42, 81324), (45, 81378), (47, 81456),

Gene: FrayBell_142 Start: 79189, Stop: 80655, Start Num: 6
Candidate Starts for FrayBell_142:
(1, 78706), (2, 78745), (3, 78889), (4, 78916), (Start: 5 @79186 has 32 MA's), (Start: 6 @79189 has 160 MA's), (7, 79228), (11, 79306), (13, 79390), (15, 79462), (21, 79714), (22, 79723), (25, 79915), (27, 79996), (29, 80101), (31, 80122), (32, 80203), (33, 80233), (35, 80290), (38, 80401), (39, 80404), (42, 80488), (45, 80542), (47, 80620),

Gene: FudgeTart_135 Start: 77892, Stop: 79361, Start Num: 5
Candidate Starts for FudgeTart_135:
(1, 77412), (2, 77451), (3, 77595), (4, 77622), (Start: 5 @77892 has 32 MA's), (Start: 6 @77895 has 160 MA's), (7, 77934), (11, 78012), (13, 78096), (14, 78108), (15, 78168), (21, 78420), (22, 78429), (25, 78621), (27, 78702), (29, 78807), (31, 78828), (32, 78909), (33, 78939), (35, 78996), (38, 79107), (39, 79110), (42, 79194), (45, 79248), (47, 79326),

Gene: Gabriel_137 Start: 77119, Stop: 78585, Start Num: 6
Candidate Starts for Gabriel_137:
(1, 76636), (2, 76675), (3, 76819), (4, 76846), (Start: 5 @77116 has 32 MA's), (Start: 6 @77119 has 160 MA's), (7, 77158), (11, 77236), (13, 77320), (15, 77392), (20, 77533), (21, 77644), (22, 77653), (25, 77845), (27, 77926), (29, 78031), (31, 78052), (32, 78133), (33, 78163), (35, 78220), (38, 78331), (39, 78334), (42, 78418), (45, 78472), (47, 78550),

Gene: Gamgam_138 Start: 77862, Stop: 79328, Start Num: 6
Candidate Starts for Gamgam_138:
(1, 77379), (2, 77418), (3, 77562), (4, 77589), (Start: 5 @77859 has 32 MA's), (Start: 6 @77862 has 160 MA's), (7, 77901), (11, 77979), (13, 78063), (15, 78135), (21, 78387), (22, 78396), (25, 78588), (27, 78669), (29, 78774), (31, 78795), (32, 78876), (33, 78906), (35, 78963), (36, 78996), (38, 79074), (39, 79077), (42, 79161), (45, 79215), (47, 79293),

Gene: Ghost_136 Start: 77869, Stop: 79338, Start Num: 5
Candidate Starts for Ghost_136:

(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: Gizmo_142 Start: 80491, Stop: 81960, Start Num: 5
Candidate Starts for Gizmo_142:
(1, 80011), (2, 80050), (3, 80194), (4, 80221), (Start: 5 @80491 has 32 MA's), (Start: 6 @80494 has 160 MA's), (7, 80533), (11, 80611), (13, 80695), (14, 80707), (15, 80767), (21, 81019), (22, 81028), (25, 81220), (27, 81301), (29, 81406), (31, 81427), (32, 81508), (33, 81538), (35, 81595), (38, 81706), (39, 81709), (42, 81793), (45, 81847), (47, 81925),

Gene: GlutenPhree_139 Start: 77872, Stop: 79338, Start Num: 6
Candidate Starts for GlutenPhree_139:
(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: GoldenSnow_140 Start: 79188, Stop: 80654, Start Num: 6
Candidate Starts for GoldenSnow_140:
(1, 78705), (2, 78744), (3, 78888), (4, 78915), (Start: 5 @79185 has 32 MA's), (Start: 6 @79188 has 160 MA's), (7, 79227), (11, 79305), (13, 79389), (15, 79461), (21, 79713), (22, 79722), (25, 79914), (27, 79995), (29, 80100), (31, 80121), (32, 80202), (33, 80232), (35, 80289), (36, 80322), (37, 80388), (38, 80400), (39, 80403), (42, 80487), (45, 80541), (47, 80619),

Gene: Grasshills_144 Start: 80822, Stop: 82288, Start Num: 6
Candidate Starts for Grasshills_144:
(1, 80339), (2, 80378), (3, 80522), (4, 80549), (Start: 5 @80819 has 32 MA's), (Start: 6 @80822 has 160 MA's), (7, 80861), (11, 80939), (13, 81023), (15, 81095), (21, 81347), (22, 81356), (25, 81548), (27, 81629), (29, 81734), (31, 81755), (32, 81836), (33, 81866), (35, 81923), (36, 81956), (38, 82034), (39, 82037), (42, 82121), (45, 82175), (47, 82253),

Gene: Grungle_124 Start: 75137, Stop: 76603, Start Num: 6
Candidate Starts for Grungle_124:
(1, 74654), (2, 74693), (3, 74837), (4, 74864), (Start: 5 @75134 has 32 MA's), (Start: 6 @75137 has 160 MA's), (7, 75176), (11, 75254), (13, 75338), (15, 75410), (21, 75662), (22, 75671), (25, 75863), (27, 75944), (29, 76049), (31, 76070), (32, 76151), (33, 76181), (35, 76238), (36, 76271), (38, 76349), (39, 76352), (43, 76457), (44, 76475), (46, 76544), (47, 76568),

Gene: Guwapp_136 Start: 77284, Stop: 78750, Start Num: 6
Candidate Starts for Guwapp_136:
(1, 76801), (2, 76840), (3, 76984), (4, 77011), (Start: 5 @77281 has 32 MA's), (Start: 6 @77284 has 160 MA's), (7, 77323), (11, 77401), (13, 77485), (15, 77557), (21, 77809), (22, 77818), (25, 78010), (27, 78091), (29, 78196), (31, 78217), (32, 78298), (33, 78328), (35, 78385), (36, 78418), (38, 78496), (39, 78499), (42, 78583), (45, 78637), (47, 78715),

Gene: Halldule_131 Start: 76163, Stop: 77629, Start Num: 6
Candidate Starts for Halldule_131:
(1, 75680), (2, 75719), (3, 75863), (4, 75890), (Start: 5 @76160 has 32 MA's), (Start: 6 @76163 has 160 MA's), (7, 76202), (11, 76280), (13, 76364), (15, 76436), (21, 76688), (22, 76697), (25, 76889), (27, 76970), (29, 77075), (31, 77096), (32, 77177), (33, 77207), (35, 77264), (36, 77297), (38, 77375), (39, 77378), (42, 77462), (45, 77516), (47, 77594),

Gene: HyRo_128 Start: 77815, Stop: 79281, Start Num: 6
Candidate Starts for HyRo_128:
(1, 77332), (2, 77371), (3, 77515), (4, 77542), (Start: 5 @77812 has 32 MA's), (Start: 6 @77815 has 160 MA's), (7, 77854), (11, 77932), (13, 78016), (15, 78088), (21, 78340), (22, 78349), (25, 78541), (27, 78622), (29, 78727), (31, 78748), (32, 78829), (33, 78859), (35, 78916), (38, 79027), (39, 79030), (40, 79093), (43, 79135), (44, 79153), (46, 79222), (47, 79246),

Gene: I3_142 Start: 79350, Stop: 80816, Start Num: 6
Candidate Starts for I3_142:
(1, 78867), (2, 78906), (3, 79050), (4, 79077), (Start: 5 @79347 has 32 MA's), (Start: 6 @79350 has 160 MA's), (7, 79389), (11, 79467), (13, 79551), (15, 79623), (21, 79875), (22, 79884), (25, 80076), (27, 80157), (29, 80262), (31, 80283), (32, 80364), (33, 80394), (35, 80451), (36, 80484), (38, 80562), (39, 80565), (42, 80649), (45, 80703), (47, 80781),

Gene: IkeLoa_131 Start: 77770, Stop: 79236, Start Num: 6
Candidate Starts for IkeLoa_131:
(1, 77287), (2, 77326), (3, 77470), (4, 77497), (Start: 5 @77767 has 32 MA's), (Start: 6 @77770 has 160 MA's), (7, 77809), (11, 77887), (13, 77971), (15, 78043), (21, 78295), (22, 78304), (25, 78496), (27, 78577), (29, 78682), (31, 78703), (32, 78784), (33, 78814), (35, 78871), (36, 78904), (38, 78982), (39, 78985), (42, 79069), (45, 79123), (47, 79201),

Gene: InigoMontoya_140 Start: 77833, Stop: 79299, Start Num: 6
Candidate Starts for InigoMontoya_140:
(1, 77350), (2, 77389), (3, 77533), (4, 77560), (Start: 5 @77830 has 32 MA's), (Start: 6 @77833 has 160 MA's), (7, 77872), (11, 77950), (13, 78034), (15, 78106), (20, 78247), (21, 78358), (22, 78367), (25, 78559), (27, 78640), (29, 78745), (31, 78766), (32, 78847), (33, 78877), (35, 78934), (38, 79045), (39, 79048), (42, 79132), (45, 79186), (47, 79264),

Gene: InterFolia_143 Start: 80124, Stop: 81590, Start Num: 6
Candidate Starts for InterFolia_143:
(1, 79641), (2, 79680), (3, 79824), (4, 79851), (Start: 5 @80121 has 32 MA's), (Start: 6 @80124 has 160 MA's), (7, 80163), (11, 80241), (13, 80325), (15, 80397), (21, 80649), (22, 80658), (25, 80850), (27, 80931), (29, 81036), (31, 81057), (32, 81138), (33, 81168), (35, 81225), (36, 81258), (37, 81324), (38, 81336), (39, 81339), (42, 81423), (45, 81477), (47, 81555),

Gene: Iota_132 Start: 77821, Stop: 79287, Start Num: 6
Candidate Starts for Iota_132:
(1, 77338), (2, 77377), (3, 77521), (4, 77548), (Start: 5 @77818 has 32 MA's), (Start: 6 @77821 has 160 MA's), (7, 77860), (11, 77938), (13, 78022), (15, 78094), (21, 78346), (22, 78355), (25, 78547), (27, 78628), (29, 78733), (31, 78754), (32, 78835), (33, 78865), (35, 78922), (36, 78955), (38, 79033), (39, 79036), (42, 79120), (45, 79174), (47, 79252),

Gene: Issimir_135 Start: 78826, Stop: 80295, Start Num: 5
Candidate Starts for Issimir_135:
(1, 78346), (2, 78385), (3, 78529), (4, 78556), (Start: 5 @78826 has 32 MA's), (Start: 6 @78829 has 160 MA's), (7, 78868), (11, 78946), (13, 79030), (15, 79102), (21, 79354), (22, 79363), (25, 79555), (27, 79636), (29, 79741), (31, 79762), (32, 79843), (33, 79873), (35, 79930), (36, 79963), (38, 80041), (39, 80044), (42, 80128), (45, 80182), (47, 80260),

Gene: Izajani_137 Start: 79035, Stop: 80501, Start Num: 6
Candidate Starts for Izajani_137:

(1, 78552), (2, 78591), (3, 78735), (4, 78762), (Start: 5 @79032 has 32 MA's), (Start: 6 @79035 has 160 MA's), (7, 79074), (11, 79152), (13, 79236), (15, 79308), (21, 79560), (22, 79569), (25, 79761), (27, 79842), (29, 79947), (31, 79968), (32, 80049), (33, 80079), (35, 80136), (36, 80169), (38, 80247), (39, 80250), (42, 80334), (45, 80388), (47, 80466),

Gene: JPickles_134 Start: 76624, Stop: 78090, Start Num: 6
Candidate Starts for JPickles_134:
(1, 76141), (2, 76180), (3, 76324), (4, 76351), (Start: 5 @76621 has 32 MA's), (Start: 6 @76624 has 160 MA's), (7, 76663), (11, 76741), (13, 76825), (15, 76897), (20, 77038), (21, 77149), (22, 77158), (25, 77350), (27, 77431), (29, 77536), (31, 77557), (32, 77638), (33, 77668), (35, 77725), (38, 77836), (39, 77839), (42, 77923), (45, 77977), (47, 78055),

Gene: Janiyra_140 Start: 78799, Stop: 80265, Start Num: 6
Candidate Starts for Janiyra_140:
(1, 78316), (2, 78355), (3, 78499), (4, 78526), (Start: 5 @78796 has 32 MA's), (Start: 6 @78799 has 160 MA's), (7, 78838), (11, 78916), (13, 79000), (15, 79072), (20, 79213), (21, 79324), (22, 79333), (25, 79525), (27, 79606), (29, 79711), (31, 79732), (32, 79813), (33, 79843), (35, 79900), (38, 80011), (39, 80014), (42, 80098), (45, 80152), (47, 80230),

Gene: JayJay_142 Start: 79830, Stop: 81296, Start Num: 6
Candidate Starts for JayJay_142:
(1, 79347), (2, 79386), (3, 79530), (4, 79557), (Start: 5 @79827 has 32 MA's), (Start: 6 @79830 has 160 MA's), (7, 79869), (11, 79947), (13, 80031), (15, 80103), (21, 80355), (22, 80364), (25, 80556), (27, 80637), (29, 80742), (31, 80763), (32, 80844), (33, 80874), (35, 80931), (36, 80964), (38, 81042), (39, 81045), (42, 81129), (45, 81183), (47, 81261),

Gene: Jaygup_137 Start: 78149, Stop: 79615, Start Num: 6
Candidate Starts for Jaygup_137:
(1, 77666), (2, 77705), (3, 77849), (4, 77876), (Start: 5 @78146 has 32 MA's), (Start: 6 @78149 has 160 MA's), (7, 78188), (11, 78266), (13, 78350), (15, 78422), (21, 78674), (22, 78683), (25, 78875), (27, 78956), (29, 79061), (31, 79082), (32, 79163), (33, 79193), (35, 79250), (36, 79283), (38, 79361), (39, 79364), (42, 79448), (45, 79502), (47, 79580),

Gene: Jedediah_140 Start: 78682, Stop: 80148, Start Num: 6
Candidate Starts for Jedediah_140:
(1, 78199), (2, 78238), (3, 78382), (4, 78409), (Start: 5 @78679 has 32 MA's), (Start: 6 @78682 has 160 MA's), (7, 78721), (11, 78799), (13, 78883), (15, 78955), (21, 79207), (22, 79216), (25, 79408), (27, 79489), (29, 79594), (31, 79615), (32, 79696), (33, 79726), (35, 79783), (36, 79816), (38, 79894), (39, 79897), (42, 79981), (45, 80035), (47, 80113),

Gene: Jemmno_137 Start: 78129, Stop: 79595, Start Num: 6
Candidate Starts for Jemmno_137:
(1, 77646), (2, 77685), (3, 77829), (4, 77856), (Start: 5 @78126 has 32 MA's), (Start: 6 @78129 has 160 MA's), (7, 78168), (11, 78246), (13, 78330), (15, 78402), (21, 78654), (22, 78663), (25, 78855), (27, 78936), (29, 79041), (31, 79062), (32, 79143), (33, 79173), (35, 79230), (36, 79263), (38, 79341), (39, 79344), (42, 79428), (45, 79482), (47, 79560),

Gene: Jessibeth14_136 Start: 78661, Stop: 80127, Start Num: 6
Candidate Starts for Jessibeth14_136:
(1, 78178), (2, 78217), (3, 78361), (4, 78388), (Start: 5 @78658 has 32 MA's), (Start: 6 @78661 has 160 MA's), (7, 78700), (11, 78778), (13, 78862), (15, 78934), (21, 79186), (22, 79195), (25, 79387), (27, 79468), (29, 79573), (31, 79594), (32, 79675), (33, 79705), (35, 79762), (36, 79795), (38, 79873), (39, 79876), (42, 79960), (45, 80014), (47, 80092),

Gene: Jezreel_137 Start: 78815, Stop: 80281, Start Num: 6
Candidate Starts for Jezreel_137:
(1, 78332), (2, 78371), (3, 78515), (4, 78542), (Start: 5 @78812 has 32 MA's), (Start: 6 @78815 has 160 MA's), (7, 78854), (11, 78932), (13, 79016), (15, 79088), (21, 79340), (22, 79349), (25, 79541), (27, 79622), (29, 79727), (31, 79748), (32, 79829), (33, 79859), (35, 79916), (36, 79949), (38, 80027), (39, 80030), (42, 80114), (45, 80168), (47, 80246),

Gene: JigglyPuff_145 Start: 80979, Stop: 82445, Start Num: 6
Candidate Starts for JigglyPuff_145:
(1, 80496), (2, 80535), (3, 80679), (4, 80706), (Start: 5 @80976 has 32 MA's), (Start: 6 @80979 has 160 MA's), (7, 81018), (11, 81096), (13, 81180), (15, 81252), (21, 81504), (22, 81513), (25, 81705), (27, 81786), (29, 81891), (31, 81912), (32, 81993), (33, 82023), (35, 82080), (38, 82191), (39, 82194), (42, 82278), (45, 82332), (47, 82410),

Gene: JulietS_131 Start: 76016, Stop: 77482, Start Num: 6
Candidate Starts for JulietS_131:
(1, 75533), (2, 75572), (3, 75716), (4, 75743), (Start: 5 @76013 has 32 MA's), (Start: 6 @76016 has 160 MA's), (7, 76055), (11, 76133), (13, 76217), (15, 76289), (21, 76541), (22, 76550), (25, 76742), (27, 76823), (29, 76928), (31, 76949), (32, 77030), (33, 77060), (35, 77117), (36, 77150), (38, 77228), (39, 77231), (42, 77315), (45, 77369), (47, 77447),

Gene: JustHall_135 Start: 78657, Stop: 80123, Start Num: 6
Candidate Starts for JustHall_135:
(1, 78174), (2, 78213), (3, 78357), (4, 78384), (Start: 5 @78654 has 32 MA's), (Start: 6 @78657 has 160 MA's), (7, 78696), (11, 78774), (13, 78858), (15, 78930), (21, 79182), (22, 79191), (25, 79383), (27, 79464), (29, 79569), (31, 79590), (32, 79671), (33, 79701), (35, 79758), (36, 79791), (38, 79869), (39, 79872), (42, 79956), (45, 80010), (47, 80088),

Gene: Kamryn_137 Start: 79467, Stop: 80933, Start Num: 6
Candidate Starts for Kamryn_137:
(1, 78984), (2, 79023), (3, 79167), (4, 79194), (Start: 5 @79464 has 32 MA's), (Start: 6 @79467 has 160 MA's), (7, 79506), (11, 79584), (13, 79668), (15, 79740), (20, 79881), (21, 79992), (22, 80001), (25, 80193), (27, 80274), (29, 80379), (31, 80400), (32, 80481), (33, 80511), (35, 80568), (36, 80601), (38, 80679), (39, 80682), (42, 80766), (45, 80820), (47, 80898),

Gene: Kboogie_141 Start: 77822, Stop: 79288, Start Num: 6
Candidate Starts for Kboogie_141:
(1, 77339), (2, 77378), (3, 77522), (4, 77549), (Start: 5 @77819 has 32 MA's), (Start: 6 @77822 has 160 MA's), (7, 77861), (11, 77939), (13, 78023), (15, 78095), (21, 78347), (22, 78356), (25, 78548), (27, 78629), (29, 78734), (31, 78755), (32, 78836), (33, 78866), (35, 78923), (36, 78956), (38, 79034), (39, 79037), (42, 79121), (45, 79175), (47, 79253),

Gene: Khaleesi_136 Start: 78764, Stop: 80230, Start Num: 6
Candidate Starts for Khaleesi_136:
(1, 78281), (2, 78320), (3, 78464), (4, 78491), (Start: 5 @78761 has 32 MA's), (Start: 6 @78764 has 160 MA's), (7, 78803), (11, 78881), (13, 78965), (15, 79037), (20, 79178), (21, 79289), (22, 79298), (25, 79490), (27, 79571), (29, 79676), (31, 79697), (32, 79778), (33, 79808), (35, 79865), (38, 79976), (39, 79979), (42, 80063), (45, 80117), (47, 80195),

Gene: Koguma_134 Start: 76296, Stop: 77765, Start Num: 5
Candidate Starts for Koguma_134:

(1, 75816), (2, 75855), (3, 75999), (4, 76026), (Start: 5 @76296 has 32 MA's), (Start: 6 @76299 has 160 MA's), (7, 76338), (11, 76416), (13, 76500), (14, 76512), (15, 76572), (21, 76824), (22, 76833), (25, 77025), (27, 77106), (29, 77211), (31, 77232), (32, 77313), (33, 77343), (35, 77400), (38, 77511), (39, 77514), (43, 77619), (44, 77637), (46, 77706), (47, 77730),

Gene: LRRHood_130 Start: 78104, Stop: 79573, Start Num: 5
Candidate Starts for LRRHood_130:
(1, 77624), (2, 77663), (3, 77807), (4, 77834), (Start: 5 @78104 has 32 MA's), (Start: 6 @78107 has 160 MA's), (7, 78146), (11, 78224), (13, 78308), (14, 78320), (15, 78380), (21, 78632), (22, 78641), (25, 78833), (27, 78914), (29, 79019), (31, 79040), (32, 79121), (33, 79151), (35, 79208), (38, 79319), (39, 79322), (43, 79427), (44, 79445), (46, 79514), (47, 79538),

Gene: Labradorite_138 Start: 76836, Stop: 78302, Start Num: 6
Candidate Starts for Labradorite_138:
(1, 76353), (2, 76392), (3, 76536), (4, 76563), (Start: 5 @76833 has 32 MA's), (Start: 6 @76836 has 160 MA's), (7, 76875), (11, 76953), (13, 77037), (15, 77109), (21, 77361), (22, 77370), (25, 77562), (27, 77643), (29, 77748), (31, 77769), (32, 77850), (33, 77880), (35, 77937), (36, 77970), (37, 78036), (38, 78048), (39, 78051), (42, 78135), (45, 78189), (47, 78267),

Gene: Latch_138 Start: 77872, Stop: 79338, Start Num: 6
Candidate Starts for Latch_138:
(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: Lee7_140 Start: 79388, Stop: 80854, Start Num: 6
Candidate Starts for Lee7_140:
(1, 78905), (2, 78944), (3, 79088), (4, 79115), (Start: 5 @79385 has 32 MA's), (Start: 6 @79388 has 160 MA's), (7, 79427), (11, 79505), (13, 79589), (14, 79601), (15, 79661), (21, 79913), (22, 79922), (25, 80114), (27, 80195), (29, 80300), (31, 80321), (32, 80402), (33, 80432), (35, 80489), (38, 80600), (39, 80603), (42, 80687), (45, 80741), (47, 80819),

Gene: Lethe_135 Start: 78826, Stop: 80292, Start Num: 6
Candidate Starts for Lethe_135:
(1, 78343), (2, 78382), (3, 78526), (4, 78553), (Start: 5 @78823 has 32 MA's), (Start: 6 @78826 has 160 MA's), (7, 78865), (11, 78943), (13, 79027), (15, 79099), (21, 79351), (22, 79360), (25, 79552), (27, 79633), (29, 79738), (31, 79759), (32, 79840), (33, 79870), (35, 79927), (36, 79960), (38, 80038), (39, 80041), (42, 80125), (45, 80179), (47, 80257),

Gene: LifeSavor_135 Start: 78081, Stop: 79547, Start Num: 6
Candidate Starts for LifeSavor_135:
(1, 77598), (2, 77637), (3, 77781), (4, 77808), (Start: 5 @78078 has 32 MA's), (Start: 6 @78081 has 160 MA's), (7, 78120), (11, 78198), (13, 78282), (15, 78354), (21, 78606), (22, 78615), (25, 78807), (27, 78888), (29, 78993), (31, 79014), (32, 79095), (33, 79125), (35, 79182), (36, 79215), (38, 79293), (39, 79296), (42, 79380), (45, 79434), (47, 79512),

Gene: LinStu_135 Start: 78713, Stop: 80182, Start Num: 5
Candidate Starts for LinStu_135:
(1, 78233), (2, 78272), (3, 78416), (4, 78443), (Start: 5 @78713 has 32 MA's), (Start: 6 @78716 has 160 MA's), (7, 78755), (11, 78833), (13, 78917), (15, 78989), (21, 79241), (22, 79250), (25, 79442), (27, 79523), (29, 79628), (31, 79649), (32, 79730), (33, 79760), (35, 79817), (38, 79928), (39, 79931), (43, 80036), (44, 80054), (46, 80123), (47, 80147),

Gene: Littleton_137 Start: 78198, Stop: 79667, Start Num: 5
Candidate Starts for Littleton_137:
(1, 77718), (2, 77757), (3, 77901), (4, 77928), (Start: 5 @78198 has 32 MA's), (Start: 6 @78201 has 160 MA's), (7, 78240), (11, 78318), (13, 78402), (15, 78474), (21, 78726), (22, 78735), (25, 78927), (27, 79008), (29, 79113), (31, 79134), (32, 79215), (33, 79245), (35, 79302), (36, 79335), (38, 79413), (39, 79416), (42, 79500), (45, 79554), (47, 79632),

Gene: Loanshark_136 Start: 78732, Stop: 80198, Start Num: 6
Candidate Starts for Loanshark_136:
(1, 78249), (2, 78288), (3, 78432), (4, 78459), (Start: 5 @78729 has 32 MA's), (Start: 6 @78732 has 160 MA's), (7, 78771), (11, 78849), (13, 78933), (15, 79005), (21, 79257), (22, 79266), (25, 79458), (27, 79539), (29, 79644), (31, 79665), (32, 79746), (33, 79776), (35, 79833), (36, 79866), (38, 79944), (39, 79947), (42, 80031), (45, 80085), (47, 80163),

Gene: LolaVinca_137 Start: 79072, Stop: 80541, Start Num: 5
Candidate Starts for LolaVinca_137:
(1, 78592), (2, 78631), (3, 78775), (4, 78802), (Start: 5 @79072 has 32 MA's), (Start: 6 @79075 has 160 MA's), (7, 79114), (11, 79192), (13, 79276), (15, 79348), (21, 79600), (22, 79609), (25, 79801), (27, 79882), (29, 79987), (31, 80008), (32, 80089), (33, 80119), (35, 80176), (36, 80209), (38, 80287), (39, 80290), (42, 80374), (45, 80428), (47, 80506),

Gene: LookingGlass_137 Start: 78900, Stop: 80366, Start Num: 6
Candidate Starts for LookingGlass_137:
(1, 78417), (2, 78456), (3, 78600), (4, 78627), (Start: 5 @78897 has 32 MA's), (Start: 6 @78900 has 160 MA's), (7, 78939), (11, 79017), (13, 79101), (15, 79173), (21, 79425), (22, 79434), (25, 79626), (27, 79707), (29, 79812), (31, 79833), (32, 79914), (33, 79944), (35, 80001), (36, 80034), (38, 80112), (39, 80115), (42, 80199), (45, 80253), (47, 80331),

Gene: LordLeafolot_141 Start: 80041, Stop: 81507, Start Num: 6
Candidate Starts for LordLeafolot_141:
(1, 79558), (2, 79597), (3, 79741), (4, 79768), (Start: 5 @80038 has 32 MA's), (Start: 6 @80041 has 160 MA's), (7, 80080), (11, 80158), (13, 80242), (15, 80314), (21, 80566), (22, 80575), (25, 80767), (27, 80848), (29, 80953), (31, 80974), (32, 81055), (33, 81085), (35, 81142), (38, 81253), (39, 81256), (42, 81340), (45, 81394), (47, 81472),

Gene: Lukilu_127 Start: 79117, Stop: 80583, Start Num: 6
Candidate Starts for Lukilu_127:
(1, 78634), (2, 78673), (3, 78817), (4, 78844), (Start: 5 @79114 has 32 MA's), (Start: 6 @79117 has 160 MA's), (7, 79156), (11, 79234), (13, 79318), (14, 79330), (15, 79390), (21, 79642), (22, 79651), (25, 79843), (27, 79924), (29, 80029), (31, 80050), (32, 80131), (33, 80161), (35, 80218), (38, 80329), (39, 80332), (43, 80437), (44, 80455), (46, 80524), (47, 80548),

Gene: Lunareta_136 Start: 79997, Stop: 81463, Start Num: 6
Candidate Starts for Lunareta_136:
(1, 79514), (2, 79553), (3, 79697), (4, 79724), (Start: 5 @79994 has 32 MA's), (Start: 6 @79997 has 160 MA's), (7, 80036), (11, 80114), (13, 80198), (15, 80270), (21, 80522), (22, 80531), (25, 80723), (27, 80804), (29, 80909), (31, 80930), (32, 81011), (33, 81041), (35, 81098), (36, 81131), (38, 81209), (39, 81212), (42, 81296), (45, 81350), (47, 81428),

Gene: Maby2021_137 Start: 78848, Stop: 80314, Start Num: 6
Candidate Starts for Maby2021_137:

(1, 78365), (2, 78404), (3, 78548), (4, 78575), (Start: 5 @78845 has 32 MA's), (Start: 6 @78848 has 160 MA's), (7, 78887), (11, 78965), (13, 79049), (14, 79061), (15, 79121), (21, 79373), (22, 79382), (25, 79574), (27, 79655), (29, 79760), (31, 79781), (32, 79862), (33, 79892), (35, 79949), (38, 80060), (39, 80063), (42, 80147), (45, 80201), (47, 80279),

Gene: Maguvora_141 Start: 79429, Stop: 80895, Start Num: 6
Candidate Starts for Maguvora_141:
(1, 78946), (2, 78985), (3, 79129), (4, 79156), (Start: 5 @79426 has 32 MA's), (Start: 6 @79429 has 160 MA's), (7, 79468), (11, 79546), (13, 79630), (15, 79702), (21, 79954), (22, 79963), (25, 80155), (27, 80236), (29, 80341), (31, 80362), (32, 80443), (33, 80473), (35, 80530), (36, 80563), (37, 80629), (38, 80641), (39, 80644), (42, 80728), (45, 80782), (47, 80860),

Gene: Mangeria_137 Start: 78918, Stop: 80384, Start Num: 6
Candidate Starts for Mangeria_137:
(1, 78435), (2, 78474), (3, 78618), (4, 78645), (Start: 5 @78915 has 32 MA's), (Start: 6 @78918 has 160 MA's), (7, 78957), (11, 79035), (13, 79119), (15, 79191), (17, 79263), (20, 79332), (21, 79443), (22, 79452), (25, 79644), (27, 79725), (29, 79830), (31, 79851), (32, 79932), (33, 79962), (35, 80019), (38, 80130), (39, 80133), (42, 80217), (45, 80271), (47, 80349),

Gene: Matsumoto_135 Start: 77709, Stop: 79175, Start Num: 6
Candidate Starts for Matsumoto_135:
(1, 77226), (2, 77265), (3, 77409), (4, 77436), (Start: 5 @77706 has 32 MA's), (Start: 6 @77709 has 160 MA's), (7, 77748), (11, 77826), (13, 77910), (15, 77982), (21, 78234), (22, 78243), (25, 78435), (27, 78516), (29, 78621), (31, 78642), (32, 78723), (33, 78753), (35, 78810), (38, 78921), (39, 78924), (42, 79008), (45, 79062), (47, 79140),

Gene: Maturis_135 Start: 78493, Stop: 79959, Start Num: 6
Candidate Starts for Maturis_135:
(1, 78010), (2, 78049), (3, 78193), (4, 78220), (Start: 5 @78490 has 32 MA's), (Start: 6 @78493 has 160 MA's), (7, 78532), (11, 78610), (13, 78694), (15, 78766), (21, 79018), (22, 79027), (25, 79219), (27, 79300), (29, 79405), (31, 79426), (32, 79507), (33, 79537), (35, 79594), (36, 79627), (38, 79705), (39, 79708), (42, 79792), (45, 79846), (47, 79924),

Gene: McGee_139 Start: 77463, Stop: 78929, Start Num: 6
Candidate Starts for McGee_139:
(1, 76980), (2, 77019), (3, 77163), (4, 77190), (Start: 5 @77460 has 32 MA's), (Start: 6 @77463 has 160 MA's), (7, 77502), (11, 77580), (13, 77664), (15, 77736), (21, 77988), (22, 77997), (25, 78189), (27, 78270), (29, 78375), (31, 78396), (32, 78477), (33, 78507), (35, 78564), (38, 78675), (39, 78678), (42, 78762), (45, 78816), (47, 78894),

Gene: McWolfish_135 Start: 78637, Stop: 80103, Start Num: 6
Candidate Starts for McWolfish_135:
(1, 78154), (2, 78193), (3, 78337), (4, 78364), (Start: 5 @78634 has 32 MA's), (Start: 6 @78637 has 160 MA's), (7, 78676), (11, 78754), (13, 78838), (15, 78910), (21, 79162), (22, 79171), (25, 79363), (27, 79444), (29, 79549), (31, 79570), (32, 79651), (33, 79681), (35, 79738), (38, 79849), (39, 79852), (42, 79936), (45, 79990), (47, 80068),

Gene: Megamind_136 Start: 78521, Stop: 79987, Start Num: 6
Candidate Starts for Megamind_136:
(1, 78038), (2, 78077), (3, 78221), (4, 78248), (Start: 5 @78518 has 32 MA's), (Start: 6 @78521 has 160 MA's), (7, 78560), (11, 78638), (13, 78722), (14, 78734), (15, 78794), (21, 79046), (22, 79055), (25, 79247), (27, 79328), (29, 79433), (31, 79454), (32, 79535), (33, 79565), (35, 79622), (38, 79733), (39, 79736), (42, 79820), (45, 79874), (47, 79952),

Gene: Melpomini_131 Start: 75987, Stop: 77453, Start Num: 6
Candidate Starts for Melpomini_131:
(1, 75504), (2, 75543), (3, 75687), (4, 75714), (Start: 5 @75984 has 32 MA's), (Start: 6 @75987 has 160 MA's), (7, 76026), (11, 76104), (13, 76188), (15, 76260), (21, 76512), (22, 76521), (25, 76713), (27, 76794), (29, 76899), (31, 76920), (32, 77001), (33, 77031), (35, 77088), (36, 77121), (38, 77199), (39, 77202), (42, 77286), (45, 77340), (47, 77418),

Gene: MikeLiesIn_138 Start: 78875, Stop: 80344, Start Num: 5
Candidate Starts for MikeLiesIn_138:
(1, 78395), (2, 78434), (3, 78578), (4, 78605), (Start: 5 @78875 has 32 MA's), (Start: 6 @78878 has 160 MA's), (7, 78917), (11, 78995), (13, 79079), (15, 79151), (20, 79292), (21, 79403), (22, 79412), (25, 79604), (27, 79685), (29, 79790), (31, 79811), (32, 79892), (33, 79922), (35, 79979), (38, 80090), (39, 80093), (42, 80177), (45, 80231), (47, 80309),

Gene: Mikro_134 Start: 80091, Stop: 81557, Start Num: 6
Candidate Starts for Mikro_134:
(1, 79608), (2, 79647), (3, 79791), (4, 79818), (Start: 5 @80088 has 32 MA's), (Start: 6 @80091 has 160 MA's), (7, 80130), (11, 80208), (13, 80292), (15, 80364), (21, 80616), (22, 80625), (25, 80817), (27, 80898), (29, 81003), (31, 81024), (32, 81105), (33, 81135), (35, 81192), (36, 81225), (38, 81303), (39, 81306), (42, 81390), (45, 81444), (47, 81522),

Gene: MoMoMixon_137 Start: 78351, Stop: 79820, Start Num: 5
Candidate Starts for MoMoMixon_137:
(1, 77871), (2, 77910), (3, 78054), (4, 78081), (Start: 5 @78351 has 32 MA's), (Start: 6 @78354 has 160 MA's), (7, 78393), (11, 78471), (13, 78555), (15, 78627), (21, 78879), (22, 78888), (25, 79080), (27, 79161), (29, 79266), (31, 79287), (32, 79368), (33, 79398), (35, 79455), (38, 79566), (39, 79569), (42, 79653), (45, 79707), (47, 79785),

Gene: Moby_130 Start: 75692, Stop: 77158, Start Num: 6
Candidate Starts for Moby_130:
(1, 75209), (2, 75248), (3, 75392), (4, 75419), (Start: 5 @75689 has 32 MA's), (Start: 6 @75692 has 160 MA's), (7, 75731), (11, 75809), (13, 75893), (14, 75905), (15, 75965), (21, 76217), (22, 76226), (25, 76418), (27, 76499), (29, 76604), (31, 76625), (32, 76706), (33, 76736), (35, 76793), (38, 76904), (39, 76907), (43, 77012), (44, 77030), (46, 77099), (47, 77123),

Gene: Moiqah_129 Start: 75669, Stop: 77135, Start Num: 6
Candidate Starts for Moiqah_129:
(1, 75186), (2, 75225), (3, 75369), (4, 75396), (Start: 5 @75666 has 32 MA's), (Start: 6 @75669 has 160 MA's), (7, 75708), (11, 75786), (13, 75870), (14, 75882), (15, 75942), (21, 76194), (22, 76203), (25, 76395), (27, 76476), (29, 76581), (31, 76602), (32, 76683), (33, 76713), (35, 76770), (38, 76881), (39, 76884), (43, 76989), (44, 77007), (46, 77076), (47, 77100),

Gene: Momo_137 Start: 77872, Stop: 79338, Start Num: 6
Candidate Starts for Momo_137:
(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: Montpel_136 Start: 79995, Stop: 81461, Start Num: 6
Candidate Starts for Montpel_136:

(1, 79512), (2, 79551), (3, 79695), (4, 79722), (Start: 5 @79992 has 32 MA's), (Start: 6 @79995 has 160 MA's), (7, 80034), (11, 80112), (13, 80196), (15, 80268), (21, 80520), (22, 80529), (25, 80721), (27, 80802), (29, 80907), (31, 80928), (32, 81009), (33, 81039), (35, 81096), (36, 81129), (38, 81207), (39, 81210), (42, 81294), (45, 81348), (47, 81426),

Gene: Morizzled23_138 Start: 78227, Stop: 79693, Start Num: 6
Candidate Starts for Morizzled23_138:
(1, 77744), (2, 77783), (3, 77927), (4, 77954), (Start: 5 @78224 has 32 MA's), (Start: 6 @78227 has 160 MA's), (7, 78266), (11, 78344), (13, 78428), (15, 78500), (21, 78752), (22, 78761), (25, 78953), (27, 79034), (29, 79139), (31, 79160), (32, 79241), (33, 79271), (35, 79328), (36, 79361), (38, 79439), (39, 79442), (42, 79526), (45, 79580), (47, 79658),

Gene: Naija_137 Start: 77872, Stop: 79338, Start Num: 6
Candidate Starts for Naija_137:
(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: Napoleon13_133 Start: 76425, Stop: 77891, Start Num: 6
Candidate Starts for Napoleon13_133:
(1, 75942), (2, 75981), (3, 76125), (4, 76152), (Start: 5 @76422 has 32 MA's), (Start: 6 @76425 has 160 MA's), (7, 76464), (11, 76542), (13, 76626), (15, 76698), (21, 76950), (22, 76959), (25, 77151), (27, 77232), (29, 77337), (31, 77358), (32, 77439), (33, 77469), (35, 77526), (36, 77559), (38, 77637), (39, 77640), (42, 77724), (45, 77778), (47, 77856),

Gene: Nappy_139 Start: 79785, Stop: 81254, Start Num: 5
Candidate Starts for Nappy_139:
(1, 79305), (2, 79344), (3, 79488), (4, 79515), (Start: 5 @79785 has 32 MA's), (Start: 6 @79788 has 160 MA's), (7, 79827), (11, 79905), (13, 79989), (15, 80061), (21, 80313), (22, 80322), (25, 80514), (27, 80595), (29, 80700), (31, 80721), (32, 80802), (33, 80832), (35, 80889), (38, 81000), (39, 81003), (42, 81087), (45, 81141), (47, 81219),

Gene: Naval22_145 Start: 80321, Stop: 81787, Start Num: 6
Candidate Starts for Naval22_145:
(1, 79838), (2, 79877), (3, 80021), (4, 80048), (Start: 5 @80318 has 32 MA's), (Start: 6 @80321 has 160 MA's), (7, 80360), (11, 80438), (13, 80522), (15, 80594), (21, 80846), (22, 80855), (25, 81047), (27, 81128), (29, 81233), (31, 81254), (32, 81335), (33, 81365), (35, 81422), (36, 81455), (38, 81533), (39, 81536), (42, 81620), (45, 81674), (47, 81752),

Gene: NedWong_138 Start: 78855, Stop: 80321, Start Num: 6
Candidate Starts for NedWong_138:
(1, 78372), (2, 78411), (3, 78555), (4, 78582), (Start: 5 @78852 has 32 MA's), (Start: 6 @78855 has 160 MA's), (7, 78894), (11, 78972), (13, 79056), (14, 79068), (15, 79128), (21, 79380), (22, 79389), (25, 79581), (27, 79662), (29, 79767), (31, 79788), (32, 79869), (33, 79899), (35, 79956), (38, 80067), (39, 80070), (42, 80154), (45, 80208), (47, 80286),

Gene: Ngannou_134 Start: 76854, Stop: 78320, Start Num: 6
Candidate Starts for Ngannou_134:
(1, 76371), (2, 76410), (3, 76554), (4, 76581), (Start: 5 @76851 has 32 MA's), (Start: 6 @76854 has 160 MA's), (7, 76893), (11, 76971), (13, 77055), (15, 77127), (20, 77268), (21, 77379), (22, 77388), (25, 77580), (27, 77661), (29, 77766), (31, 77787), (32, 77868), (33, 77898), (35, 77955), (38, 78066), (39, 78069), (42, 78153), (45, 78207), (47, 78285),

Gene: Nidhogg_139 Start: 79078, Stop: 80544, Start Num: 6
Candidate Starts for Nidhogg_139:
(1, 78595), (2, 78634), (3, 78778), (4, 78805), (Start: 5 @79075 has 32 MA's), (Start: 6 @79078 has 160 MA's), (7, 79117), (11, 79195), (13, 79279), (15, 79351), (21, 79603), (22, 79612), (25, 79804), (27, 79885), (29, 79990), (31, 80011), (32, 80092), (33, 80122), (35, 80179), (36, 80212), (38, 80290), (39, 80293), (42, 80377), (45, 80431), (47, 80509),

Gene: NoodleTree_144 Start: 78948, Stop: 80414, Start Num: 6
Candidate Starts for NoodleTree_144:
(1, 78465), (2, 78504), (3, 78648), (4, 78675), (Start: 5 @78945 has 32 MA's), (Start: 6 @78948 has 160 MA's), (7, 78987), (11, 79065), (13, 79149), (15, 79221), (21, 79473), (22, 79482), (25, 79674), (27, 79755), (29, 79860), (31, 79881), (32, 79962), (33, 79992), (35, 80049), (36, 80082), (38, 80160), (39, 80163), (42, 80247), (45, 80301), (47, 80379),

Gene: Norm_138 Start: 79550, Stop: 81016, Start Num: 6
Candidate Starts for Norm_138:
(1, 79067), (2, 79106), (3, 79250), (4, 79277), (Start: 5 @79547 has 32 MA's), (Start: 6 @79550 has 160 MA's), (7, 79589), (11, 79667), (13, 79751), (15, 79823), (21, 80075), (22, 80084), (25, 80276), (27, 80357), (29, 80462), (31, 80483), (32, 80564), (33, 80594), (35, 80651), (36, 80684), (38, 80762), (39, 80765), (42, 80849), (45, 80903), (47, 80981),

Gene: NuevoMundo_142 Start: 81130, Stop: 82596, Start Num: 6
Candidate Starts for NuevoMundo_142:
(1, 80647), (2, 80686), (3, 80830), (4, 80857), (Start: 5 @81127 has 32 MA's), (Start: 6 @81130 has 160 MA's), (7, 81169), (11, 81247), (13, 81331), (15, 81403), (21, 81655), (22, 81664), (25, 81856), (27, 81937), (29, 82042), (31, 82063), (32, 82144), (33, 82174), (35, 82231), (36, 82264), (38, 82342), (39, 82345), (42, 82429), (45, 82483), (47, 82561),

Gene: OrediggerDelux_140 Start: 79385, Stop: 80851, Start Num: 6
Candidate Starts for OrediggerDelux_140:
(1, 78902), (2, 78941), (3, 79085), (4, 79112), (Start: 5 @79382 has 32 MA's), (Start: 6 @79385 has 160 MA's), (7, 79424), (11, 79502), (13, 79586), (14, 79598), (15, 79658), (21, 79910), (22, 79919), (25, 80111), (27, 80192), (29, 80297), (31, 80318), (32, 80399), (33, 80429), (35, 80486), (38, 80597), (39, 80600), (42, 80684), (45, 80738), (47, 80816),

Gene: ParkTD_138 Start: 78861, Stop: 80327, Start Num: 6
Candidate Starts for ParkTD_138:
(1, 78378), (2, 78417), (3, 78561), (4, 78588), (Start: 5 @78858 has 32 MA's), (Start: 6 @78861 has 160 MA's), (7, 78900), (11, 78978), (13, 79062), (15, 79134), (21, 79386), (22, 79395), (25, 79587), (27, 79668), (29, 79773), (31, 79794), (32, 79875), (33, 79905), (35, 79962), (36, 79995), (38, 80073), (39, 80076), (42, 80160), (45, 80214), (47, 80292),

Gene: Patter_138 Start: 77889, Stop: 79355, Start Num: 6
Candidate Starts for Patter_138:
(1, 77406), (2, 77445), (3, 77589), (4, 77616), (Start: 5 @77886 has 32 MA's), (Start: 6 @77889 has 160 MA's), (7, 77928), (11, 78006), (13, 78090), (15, 78162), (21, 78414), (22, 78423), (25, 78615), (27, 78696), (29, 78801), (31, 78822), (32, 78903), (33, 78933), (35, 78990), (38, 79101), (39, 79104), (42, 79188), (45, 79242), (47, 79320),

Gene: PharkleMinkus_140 Start: 79189, Stop: 80655, Start Num: 6
Candidate Starts for PharkleMinkus_140:

(1, 78706), (2, 78745), (3, 78889), (4, 78916), (Start: 5 @79186 has 32 MA's), (Start: 6 @79189 has 160 MA's), (7, 79228), (11, 79306), (13, 79390), (15, 79462), (21, 79714), (22, 79723), (25, 79915), (27, 79996), (29, 80101), (31, 80122), (32, 80203), (33, 80233), (35, 80290), (38, 80401), (39, 80404), (42, 80488), (45, 80542), (47, 80620),

Gene: Phlegm_141 Start: 77872, Stop: 79338, Start Num: 6
Candidate Starts for Phlegm_141:
(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: Phox_134 Start: 79141, Stop: 80607, Start Num: 6
Candidate Starts for Phox_134:
(1, 78658), (2, 78697), (3, 78841), (4, 78868), (Start: 5 @79138 has 32 MA's), (Start: 6 @79141 has 160 MA's), (7, 79180), (11, 79258), (13, 79342), (15, 79414), (21, 79666), (22, 79675), (25, 79867), (27, 79948), (29, 80053), (31, 80074), (32, 80155), (33, 80185), (35, 80242), (36, 80275), (38, 80353), (39, 80356), (42, 80440), (45, 80494), (47, 80572),

Gene: Phusco_137 Start: 78148, Stop: 79614, Start Num: 6
Candidate Starts for Phusco_137:
(1, 77665), (2, 77704), (3, 77848), (4, 77875), (Start: 5 @78145 has 32 MA's), (Start: 6 @78148 has 160 MA's), (7, 78187), (11, 78265), (13, 78349), (15, 78421), (21, 78673), (22, 78682), (25, 78874), (27, 78955), (29, 79060), (31, 79081), (32, 79162), (33, 79192), (35, 79249), (36, 79282), (38, 79360), (39, 79363), (42, 79447), (45, 79501), (47, 79579),

Gene: Pier_141 Start: 81138, Stop: 82604, Start Num: 6
Candidate Starts for Pier_141:
(1, 80655), (2, 80694), (3, 80838), (4, 80865), (Start: 5 @81135 has 32 MA's), (Start: 6 @81138 has 160 MA's), (7, 81177), (11, 81255), (13, 81339), (15, 81411), (21, 81663), (22, 81672), (25, 81864), (27, 81945), (29, 82050), (31, 82071), (32, 82152), (33, 82182), (35, 82239), (36, 82272), (38, 82350), (39, 82353), (42, 82437), (45, 82491), (47, 82569),

Gene: Pinkcreek_128 Start: 76479, Stop: 77948, Start Num: 5
Candidate Starts for Pinkcreek_128:
(1, 75999), (2, 76038), (3, 76182), (4, 76209), (Start: 5 @76479 has 32 MA's), (Start: 6 @76482 has 160 MA's), (7, 76521), (11, 76599), (13, 76683), (14, 76695), (15, 76755), (21, 77007), (22, 77016), (25, 77208), (27, 77289), (29, 77394), (31, 77415), (32, 77496), (33, 77526), (35, 77583), (38, 77694), (39, 77697), (43, 77802), (44, 77820), (46, 77889), (47, 77913),

Gene: Pio_141 Start: 80747, Stop: 82216, Start Num: 5
Candidate Starts for Pio_141:
(1, 80267), (2, 80306), (3, 80450), (4, 80477), (Start: 5 @80747 has 32 MA's), (Start: 6 @80750 has 160 MA's), (7, 80789), (11, 80867), (13, 80951), (15, 81023), (21, 81275), (22, 81284), (25, 81476), (27, 81557), (29, 81662), (31, 81683), (32, 81764), (33, 81794), (35, 81851), (38, 81962), (39, 81965), (42, 82049), (45, 82103), (47, 82181),

Gene: Pivoine_137 Start: 77872, Stop: 79338, Start Num: 6
Candidate Starts for Pivoine_137:
(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: Pleione_140 Start: 79028, Stop: 80494, Start Num: 6
Candidate Starts for Pleione_140:
(1, 78545), (2, 78584), (3, 78728), (4, 78755), (Start: 5 @79025 has 32 MA's), (Start: 6 @79028 has 160 MA's), (7, 79067), (11, 79145), (13, 79229), (15, 79301), (21, 79553), (22, 79562), (25, 79754), (27, 79835), (29, 79940), (31, 79961), (32, 80042), (33, 80072), (35, 80129), (38, 80240), (39, 80243), (42, 80327), (45, 80381), (47, 80459),

Gene: Primadonna_131 Start: 77513, Stop: 78979, Start Num: 6
Candidate Starts for Primadonna_131:
(1, 77030), (2, 77069), (3, 77213), (4, 77240), (Start: 5 @77510 has 32 MA's), (Start: 6 @77513 has 160 MA's), (7, 77552), (11, 77630), (13, 77714), (15, 77786), (21, 78038), (22, 78047), (25, 78239), (27, 78320), (29, 78425), (31, 78446), (32, 78527), (33, 78557), (35, 78614), (36, 78647), (37, 78713), (38, 78725), (39, 78728), (42, 78812), (45, 78866), (47, 78944),

Gene: Puhon_140 Start: 79377, Stop: 80843, Start Num: 6
Candidate Starts for Puhon_140:
(1, 78894), (2, 78933), (3, 79077), (4, 79104), (Start: 5 @79374 has 32 MA's), (Start: 6 @79377 has 160 MA's), (7, 79416), (11, 79494), (13, 79578), (15, 79650), (21, 79902), (22, 79911), (25, 80103), (27, 80184), (29, 80289), (31, 80310), (32, 80391), (33, 80421), (35, 80478), (38, 80589), (39, 80592), (42, 80676), (45, 80730), (47, 80808),

Gene: Pupusa_143 Start: 80230, Stop: 81696, Start Num: 6
Candidate Starts for Pupusa_143:
(1, 79747), (2, 79786), (3, 79930), (4, 79957), (Start: 5 @80227 has 32 MA's), (Start: 6 @80230 has 160 MA's), (7, 80269), (11, 80347), (13, 80431), (15, 80503), (21, 80755), (22, 80764), (25, 80956), (27, 81037), (29, 81142), (31, 81163), (32, 81244), (33, 81274), (35, 81331), (38, 81442), (39, 81445), (42, 81529), (45, 81583), (47, 81661),

Gene: PurduePete_137 Start: 79275, Stop: 80741, Start Num: 6
Candidate Starts for PurduePete_137:
(1, 78792), (2, 78831), (3, 78975), (4, 79002), (Start: 5 @79272 has 32 MA's), (Start: 6 @79275 has 160 MA's), (7, 79314), (11, 79392), (13, 79476), (15, 79548), (21, 79800), (22, 79809), (25, 80001), (27, 80082), (29, 80187), (31, 80208), (32, 80289), (33, 80319), (35, 80376), (36, 80409), (38, 80487), (39, 80490), (42, 80574), (45, 80628), (47, 80706),

Gene: QBert_131 Start: 77865, Stop: 79331, Start Num: 6
Candidate Starts for QBert_131:
(1, 77382), (2, 77421), (3, 77565), (4, 77592), (Start: 5 @77862 has 32 MA's), (Start: 6 @77865 has 160 MA's), (7, 77904), (11, 77982), (13, 78066), (15, 78138), (21, 78390), (22, 78399), (25, 78591), (27, 78672), (29, 78777), (31, 78798), (32, 78879), (33, 78909), (35, 78966), (36, 78999), (38, 79077), (39, 79080), (42, 79164), (45, 79218), (47, 79296),

Gene: Quasimodo_139 Start: 79289, Stop: 80755, Start Num: 6
Candidate Starts for Quasimodo_139:
(1, 78806), (2, 78845), (3, 78989), (4, 79016), (Start: 5 @79286 has 32 MA's), (Start: 6 @79289 has 160 MA's), (7, 79328), (11, 79406), (13, 79490), (15, 79562), (21, 79814), (22, 79823), (25, 80015), (27, 80096), (29, 80201), (31, 80222), (32, 80303), (33, 80333), (35, 80390), (36, 80423), (38, 80501), (39, 80504), (42, 80588), (45, 80642), (47, 80720),

Gene: Rabinovish_136 Start: 79473, Stop: 80939, Start Num: 6
Candidate Starts for Rabinovish_136:

(1, 78990), (2, 79029), (3, 79173), (4, 79200), (Start: 5 @79470 has 32 MA's), (Start: 6 @79473 has 160 MA's), (7, 79512), (11, 79590), (13, 79674), (15, 79746), (21, 79998), (22, 80007), (25, 80199), (27, 80280), (29, 80385), (31, 80406), (32, 80487), (33, 80517), (35, 80574), (36, 80607), (38, 80685), (39, 80688), (42, 80772), (45, 80826), (47, 80904),

Gene: Rahel_136 Start: 77750, Stop: 79216, Start Num: 6
Candidate Starts for Rahel_136:
(1, 77267), (2, 77306), (3, 77450), (4, 77477), (Start: 5 @77747 has 32 MA's), (Start: 6 @77750 has 160 MA's), (7, 77789), (11, 77867), (13, 77951), (15, 78023), (21, 78275), (22, 78284), (25, 78476), (27, 78557), (29, 78662), (31, 78683), (32, 78764), (33, 78794), (35, 78851), (36, 78884), (38, 78962), (39, 78965), (42, 79049), (45, 79103), (47, 79181),

Gene: Rizal_132 Start: 76895, Stop: 78364, Start Num: 5
Candidate Starts for Rizal_132:
(1, 76415), (2, 76454), (3, 76598), (4, 76625), (Start: 5 @76895 has 32 MA's), (Start: 6 @76898 has 160 MA's), (7, 76937), (11, 77015), (13, 77099), (15, 77171), (21, 77423), (22, 77432), (25, 77624), (27, 77705), (29, 77810), (31, 77831), (32, 77912), (33, 77942), (35, 77999), (38, 78110), (39, 78113), (42, 78197), (45, 78251), (47, 78329),

Gene: RoMag_132 Start: 78062, Stop: 79528, Start Num: 6
Candidate Starts for RoMag_132:
(1, 77579), (2, 77618), (3, 77762), (4, 77789), (Start: 5 @78059 has 32 MA's), (Start: 6 @78062 has 160 MA's), (7, 78101), (11, 78179), (13, 78263), (15, 78335), (21, 78587), (22, 78596), (25, 78788), (27, 78869), (29, 78974), (31, 78995), (32, 79076), (33, 79106), (35, 79163), (36, 79196), (38, 79274), (39, 79277), (42, 79361), (45, 79415), (47, 79493),

Gene: Rocha_135 Start: 78315, Stop: 79781, Start Num: 6
Candidate Starts for Rocha_135:
(1, 77832), (2, 77871), (3, 78015), (4, 78042), (Start: 5 @78312 has 32 MA's), (Start: 6 @78315 has 160 MA's), (7, 78354), (11, 78432), (13, 78516), (14, 78528), (15, 78588), (21, 78840), (22, 78849), (25, 79041), (27, 79122), (29, 79227), (31, 79248), (32, 79329), (33, 79359), (35, 79416), (36, 79449), (38, 79527), (39, 79530), (42, 79614), (45, 79668), (47, 79746),

Gene: Ronan_131 Start: 76011, Stop: 77477, Start Num: 6
Candidate Starts for Ronan_131:
(1, 75528), (2, 75567), (3, 75711), (4, 75738), (Start: 5 @76008 has 32 MA's), (Start: 6 @76011 has 160 MA's), (7, 76050), (11, 76128), (13, 76212), (15, 76284), (21, 76536), (22, 76545), (25, 76737), (27, 76818), (29, 76923), (31, 76944), (32, 77025), (33, 77055), (35, 77112), (36, 77145), (38, 77223), (39, 77226), (42, 77310), (45, 77364), (47, 77442),

Gene: Roots515_136 Start: 79524, Stop: 80993, Start Num: 5
Candidate Starts for Roots515_136:
(1, 79044), (2, 79083), (3, 79227), (4, 79254), (Start: 5 @79524 has 32 MA's), (Start: 6 @79527 has 160 MA's), (7, 79566), (11, 79644), (13, 79728), (15, 79800), (21, 80052), (22, 80061), (25, 80253), (27, 80334), (29, 80439), (31, 80460), (32, 80541), (33, 80571), (35, 80628), (36, 80661), (38, 80739), (39, 80742), (42, 80826), (45, 80880), (47, 80958),

Gene: SVoro_135 Start: 79235, Stop: 80701, Start Num: 6
Candidate Starts for SVoro_135:
(1, 78752), (2, 78791), (3, 78935), (4, 78962), (Start: 5 @79232 has 32 MA's), (Start: 6 @79235 has 160 MA's), (7, 79274), (11, 79352), (13, 79436), (15, 79508), (21, 79760), (22, 79769), (25, 79961), (27, 80042), (29, 80147), (31, 80168), (32, 80249), (33, 80279), (35, 80336), (36, 80369), (38, 80447), (39, 80450), (42, 80534), (45, 80588), (47, 80666),

Gene: Salacia_141 Start: 79189, Stop: 80655, Start Num: 6
Candidate Starts for Salacia_141:
(1, 78706), (2, 78745), (3, 78889), (4, 78916), (Start: 5 @79186 has 32 MA's), (Start: 6 @79189 has 160 MA's), (7, 79228), (11, 79306), (13, 79390), (15, 79462), (21, 79714), (22, 79723), (25, 79915), (27, 79996), (29, 80101), (31, 80122), (32, 80203), (33, 80233), (35, 80290), (36, 80323), (38, 80401), (39, 80404), (42, 80488), (45, 80542), (47, 80620),

Gene: Sauce_137 Start: 77805, Stop: 79271, Start Num: 6
Candidate Starts for Sauce_137:
(1, 77322), (2, 77361), (3, 77505), (4, 77532), (Start: 5 @77802 has 32 MA's), (Start: 6 @77805 has 160 MA's), (7, 77844), (11, 77922), (13, 78006), (15, 78078), (21, 78330), (22, 78339), (25, 78531), (27, 78612), (29, 78717), (31, 78738), (32, 78819), (33, 78849), (35, 78906), (36, 78939), (38, 79017), (39, 79020), (43, 79125), (44, 79143), (46, 79212), (47, 79236),

Gene: ScottMcG_133 Start: 77811, Stop: 79277, Start Num: 6
Candidate Starts for ScottMcG_133:
(1, 77328), (2, 77367), (3, 77511), (4, 77538), (Start: 5 @77808 has 32 MA's), (Start: 6 @77811 has 160 MA's), (7, 77850), (11, 77928), (13, 78012), (15, 78084), (21, 78336), (22, 78345), (25, 78537), (27, 78618), (29, 78723), (31, 78744), (32, 78825), (33, 78855), (35, 78912), (36, 78945), (38, 79023), (39, 79026), (42, 79110), (45, 79164), (47, 79242),

Gene: Sebata_137 Start: 79271, Stop: 80740, Start Num: 5
Candidate Starts for Sebata_137:
(1, 78791), (2, 78830), (3, 78974), (4, 79001), (Start: 5 @79271 has 32 MA's), (Start: 6 @79274 has 160 MA's), (7, 79313), (11, 79391), (13, 79475), (15, 79547), (21, 79799), (22, 79808), (25, 80000), (27, 80081), (29, 80186), (31, 80207), (32, 80288), (33, 80318), (35, 80375), (38, 80486), (39, 80489), (43, 80594), (44, 80612), (46, 80681), (47, 80705),

Gene: Shaqnato_130 Start: 76855, Stop: 78321, Start Num: 6
Candidate Starts for Shaqnato_130:
(1, 76372), (2, 76411), (3, 76555), (4, 76582), (Start: 5 @76852 has 32 MA's), (Start: 6 @76855 has 160 MA's), (7, 76894), (11, 76972), (13, 77056), (15, 77128), (21, 77380), (22, 77389), (25, 77581), (27, 77662), (29, 77767), (31, 77788), (32, 77869), (33, 77899), (35, 77956), (36, 77989), (38, 78067), (39, 78070), (42, 78154), (45, 78208), (47, 78286),

Gene: Shelob_139 Start: 79657, Stop: 81123, Start Num: 6
Candidate Starts for Shelob_139:
(1, 79174), (2, 79213), (3, 79357), (4, 79384), (Start: 5 @79654 has 32 MA's), (Start: 6 @79657 has 160 MA's), (7, 79696), (11, 79774), (13, 79858), (15, 79930), (21, 80182), (22, 80191), (25, 80383), (27, 80464), (29, 80569), (31, 80590), (32, 80671), (33, 80701), (35, 80758), (36, 80791), (38, 80869), (39, 80872), (42, 80956), (45, 81010), (47, 81088),

Gene: ShiaLabeouf_136 Start: 78185, Stop: 79651, Start Num: 6
Candidate Starts for ShiaLabeouf_136:
(1, 77702), (2, 77741), (3, 77885), (4, 77912), (Start: 5 @78182 has 32 MA's), (Start: 6 @78185 has 160 MA's), (7, 78224), (11, 78302), (13, 78386), (15, 78458), (21, 78710), (22, 78719), (25, 78911), (27, 78992), (29, 79097), (31, 79118), (32, 79199), (33, 79229), (35, 79286), (36, 79319), (38, 79397), (39, 79400), (42, 79484), (45, 79538), (47, 79616),

Gene: Shifa_126 Start: 77081, Stop: 78547, Start Num: 6
Candidate Starts for Shifa_126:

(1, 76598), (2, 76637), (3, 76781), (4, 76808), (Start: 5 @77078 has 32 MA's), (Start: 6 @77081 has 160 MA's), (7, 77120), (11, 77198), (13, 77282), (15, 77354), (21, 77606), (22, 77615), (25, 77807), (27, 77888), (29, 77993), (31, 78014), (32, 78095), (33, 78125), (35, 78182), (38, 78293), (39, 78296), (40, 78359), (43, 78401), (44, 78419), (46, 78488), (47, 78512),

Gene: Shnickers_137 Start: 78149, Stop: 79615, Start Num: 6
Candidate Starts for Shnickers_137:
(1, 77666), (2, 77705), (3, 77849), (4, 77876), (Start: 5 @78146 has 32 MA's), (Start: 6 @78149 has 160 MA's), (7, 78188), (11, 78266), (13, 78350), (15, 78422), (21, 78674), (22, 78683), (25, 78875), (27, 78956), (29, 79061), (31, 79082), (32, 79163), (33, 79193), (35, 79250), (36, 79283), (38, 79361), (39, 79364), (42, 79448), (45, 79502), (47, 79580),

Gene: Shrimp_137 Start: 78865, Stop: 80334, Start Num: 5
Candidate Starts for Shrimp_137:
(1, 78385), (2, 78424), (3, 78568), (4, 78595), (Start: 5 @78865 has 32 MA's), (Start: 6 @78868 has 160 MA's), (7, 78907), (11, 78985), (13, 79069), (15, 79141), (21, 79393), (22, 79402), (25, 79594), (27, 79675), (29, 79780), (31, 79801), (32, 79882), (33, 79912), (36, 80002), (38, 80080), (39, 80083), (42, 80167), (45, 80221), (47, 80299),

Gene: SilverDipper_139 Start: 77872, Stop: 79338, Start Num: 6
Candidate Starts for SilverDipper_139:
(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: SiwenD96_138 Start: 79315, Stop: 80781, Start Num: 6
Candidate Starts for SiwenD96_138:
(1, 78832), (2, 78871), (3, 79015), (4, 79042), (Start: 5 @79312 has 32 MA's), (Start: 6 @79315 has 160 MA's), (7, 79354), (11, 79432), (13, 79516), (15, 79588), (21, 79840), (22, 79849), (25, 80041), (27, 80122), (29, 80227), (31, 80248), (32, 80329), (33, 80359), (35, 80416), (36, 80449), (38, 80527), (39, 80530), (42, 80614), (45, 80668), (47, 80746),

Gene: SmallFry_137 Start: 77374, Stop: 78840, Start Num: 6
Candidate Starts for SmallFry_137:
(1, 76891), (2, 76930), (3, 77074), (4, 77101), (Start: 5 @77371 has 32 MA's), (Start: 6 @77374 has 160 MA's), (7, 77413), (11, 77491), (13, 77575), (15, 77647), (21, 77899), (22, 77908), (25, 78100), (27, 78181), (29, 78286), (31, 78307), (32, 78388), (33, 78418), (35, 78475), (36, 78508), (38, 78586), (39, 78589), (42, 78673), (45, 78727), (47, 78805),

Gene: SoilZilla_133 Start: 78148, Stop: 79614, Start Num: 6
Candidate Starts for SoilZilla_133:
(1, 77665), (2, 77704), (3, 77848), (4, 77875), (Start: 5 @78145 has 32 MA's), (Start: 6 @78148 has 160 MA's), (7, 78187), (11, 78265), (13, 78349), (15, 78421), (21, 78673), (22, 78682), (25, 78874), (27, 78955), (29, 79060), (31, 79081), (32, 79162), (33, 79192), (35, 79249), (36, 79282), (38, 79360), (39, 79363), (42, 79447), (45, 79501), (47, 79579),

Gene: Spec_134 Start: 77914, Stop: 79380, Start Num: 6
Candidate Starts for Spec_134:
(1, 77431), (2, 77470), (3, 77614), (4, 77641), (Start: 5 @77911 has 32 MA's), (Start: 6 @77914 has 160 MA's), (7, 77953), (11, 78031), (13, 78115), (15, 78187), (21, 78439), (22, 78448), (25, 78640), (27, 78721), (29, 78826), (31, 78847), (32, 78928), (33, 78958), (35, 79015), (36, 79048), (38, 79126), (39, 79129), (42, 79213), (45, 79267), (47, 79345),

Gene: Specks_142 Start: 80039, Stop: 81505, Start Num: 6
Candidate Starts for Specks_142:
(1, 79556), (2, 79595), (3, 79739), (4, 79766), (Start: 5 @80036 has 32 MA's), (Start: 6 @80039 has 160 MA's), (7, 80078), (11, 80156), (13, 80240), (15, 80312), (21, 80564), (22, 80573), (25, 80765), (27, 80846), (29, 80951), (31, 80972), (32, 81053), (33, 81083), (35, 81140), (36, 81173), (37, 81239), (38, 81251), (39, 81254), (42, 81338), (45, 81392), (47, 81470),

Gene: Sprinklers_133 Start: 77430, Stop: 78896, Start Num: 6
Candidate Starts for Sprinklers_133:
(1, 76947), (2, 76986), (3, 77130), (4, 77157), (Start: 5 @77427 has 32 MA's), (Start: 6 @77430 has 160 MA's), (7, 77469), (11, 77547), (13, 77631), (15, 77703), (21, 77955), (22, 77964), (25, 78156), (27, 78237), (29, 78342), (31, 78363), (32, 78444), (33, 78474), (35, 78531), (36, 78564), (38, 78642), (39, 78645), (42, 78729), (45, 78783), (47, 78861),

Gene: Spud_136 Start: 78935, Stop: 80401, Start Num: 6
Candidate Starts for Spud_136:
(1, 78452), (2, 78491), (3, 78635), (4, 78662), (Start: 5 @78932 has 32 MA's), (Start: 6 @78935 has 160 MA's), (7, 78974), (11, 79052), (13, 79136), (15, 79208), (21, 79460), (22, 79469), (25, 79661), (27, 79742), (29, 79847), (31, 79868), (32, 79949), (33, 79979), (35, 80036), (36, 80069), (38, 80147), (39, 80150), (42, 80234), (45, 80288), (47, 80366),

Gene: SrishMeg2525_136 Start: 78957, Stop: 80423, Start Num: 6
Candidate Starts for SrishMeg2525_136:
(1, 78474), (2, 78513), (3, 78657), (4, 78684), (Start: 5 @78954 has 32 MA's), (Start: 6 @78957 has 160 MA's), (7, 78996), (11, 79074), (13, 79158), (14, 79170), (15, 79230), (21, 79482), (22, 79491), (25, 79683), (27, 79764), (29, 79869), (31, 79890), (32, 79971), (33, 80001), (35, 80058), (38, 80169), (39, 80172), (42, 80256), (45, 80310), (47, 80388),

Gene: StephanieG_135 Start: 79767, Stop: 81233, Start Num: 6
Candidate Starts for StephanieG_135:
(1, 79284), (2, 79323), (3, 79467), (4, 79494), (Start: 5 @79764 has 32 MA's), (Start: 6 @79767 has 160 MA's), (7, 79806), (11, 79884), (13, 79968), (15, 80040), (21, 80292), (22, 80301), (25, 80493), (27, 80574), (29, 80679), (31, 80700), (32, 80781), (33, 80811), (35, 80868), (36, 80901), (38, 80979), (39, 80982), (42, 81066), (45, 81120), (47, 81198),

Gene: Stubby_130 Start: 77397, Stop: 78863, Start Num: 6
Candidate Starts for Stubby_130:
(1, 76914), (2, 76953), (3, 77097), (4, 77124), (Start: 5 @77394 has 32 MA's), (Start: 6 @77397 has 160 MA's), (7, 77436), (11, 77514), (13, 77598), (15, 77670), (20, 77811), (21, 77922), (22, 77931), (25, 78123), (27, 78204), (29, 78309), (31, 78330), (32, 78411), (33, 78441), (35, 78498), (38, 78609), (39, 78612), (42, 78696), (45, 78750), (47, 78828),

Gene: StubbySaigey_141 Start: 78032, Stop: 79498, Start Num: 6
Candidate Starts for StubbySaigey_141:
(1, 77549), (2, 77588), (3, 77732), (4, 77759), (Start: 5 @78029 has 32 MA's), (Start: 6 @78032 has 160 MA's), (7, 78071), (11, 78149), (13, 78233), (15, 78305), (21, 78557), (22, 78566), (25, 78758), (27, 78839), (29, 78944), (31, 78965), (32, 79046), (33, 79076), (35, 79133), (36, 79166), (38, 79244), (39, 79247), (42, 79331), (45, 79385), (47, 79463),

Gene: Substance289_135 Start: 77667, Stop: 79133, Start Num: 6
Candidate Starts for Substance289_135:

(1, 77184), (2, 77223), (3, 77367), (4, 77394), (Start: 5 @77664 has 32 MA's), (Start: 6 @77667 has 160 MA's), (7, 77706), (11, 77784), (13, 77868), (15, 77940), (21, 78192), (22, 78201), (25, 78393), (27, 78474), (29, 78579), (31, 78600), (32, 78681), (33, 78711), (35, 78768), (36, 78801), (38, 78879), (39, 78882), (42, 78966), (45, 79020), (47, 79098),

Gene: Tainan_140 Start: 79362, Stop: 80828, Start Num: 6
Candidate Starts for Tainan_140:
(1, 78879), (2, 78918), (3, 79062), (4, 79089), (Start: 5 @79359 has 32 MA's), (Start: 6 @79362 has 160 MA's), (7, 79401), (11, 79479), (13, 79563), (15, 79635), (21, 79887), (22, 79896), (25, 80088), (27, 80169), (29, 80274), (31, 80295), (32, 80376), (33, 80406), (35, 80463), (38, 80574), (39, 80577), (42, 80661), (45, 80715), (47, 80793),

Gene: Teardrop_136 Start: 77363, Stop: 78829, Start Num: 6
Candidate Starts for Teardrop_136:
(1, 76880), (2, 76919), (3, 77063), (4, 77090), (Start: 5 @77360 has 32 MA's), (Start: 6 @77363 has 160 MA's), (7, 77402), (11, 77480), (13, 77564), (15, 77636), (21, 77888), (22, 77897), (25, 78089), (27, 78170), (29, 78275), (31, 78296), (32, 78377), (33, 78407), (35, 78464), (36, 78497), (37, 78563), (38, 78575), (39, 78578), (42, 78662), (45, 78716), (47, 78794),

Gene: TinyTim_137 Start: 78615, Stop: 80081, Start Num: 6
Candidate Starts for TinyTim_137:
(1, 78132), (2, 78171), (3, 78315), (4, 78342), (Start: 5 @78612 has 32 MA's), (Start: 6 @78615 has 160 MA's), (7, 78654), (11, 78732), (13, 78816), (15, 78888), (21, 79140), (22, 79149), (25, 79341), (27, 79422), (29, 79527), (31, 79548), (32, 79629), (33, 79659), (35, 79716), (36, 79749), (38, 79827), (39, 79830), (42, 79914), (45, 79968), (47, 80046),

Gene: Tonenili_150 Start: 81372, Stop: 82838, Start Num: 6
Candidate Starts for Tonenili_150:
(2, 80928), (4, 81099), (Start: 5 @81369 has 32 MA's), (Start: 6 @81372 has 160 MA's), (8, 81426), (9, 81429), (11, 81489), (12, 81513), (13, 81573), (16, 81708), (18, 81723), (19, 81777), (22, 81906), (23, 82017), (24, 82080), (25, 82098), (26, 82122), (27, 82179), (28, 82242), (30, 82293), (31, 82305), (32, 82386), (33, 82416), (34, 82452), (36, 82506), (38, 82584), (44, 82710), (46, 82779), (47, 82803),

Gene: Tortoise16_134 Start: 77974, Stop: 79440, Start Num: 6
Candidate Starts for Tortoise16_134:
(1, 77491), (2, 77530), (3, 77674), (4, 77701), (Start: 5 @77971 has 32 MA's), (Start: 6 @77974 has 160 MA's), (7, 78013), (11, 78091), (13, 78175), (15, 78247), (20, 78388), (21, 78499), (22, 78508), (25, 78700), (27, 78781), (29, 78886), (31, 78907), (32, 78988), (33, 79018), (35, 79075), (38, 79186), (39, 79189), (42, 79273), (45, 79327), (47, 79405),

Gene: Trinitium_135 Start: 77798, Stop: 79264, Start Num: 6
Candidate Starts for Trinitium_135:
(1, 77315), (2, 77354), (3, 77498), (4, 77525), (Start: 5 @77795 has 32 MA's), (Start: 6 @77798 has 160 MA's), (7, 77837), (11, 77915), (13, 77999), (15, 78071), (21, 78323), (22, 78332), (25, 78524), (27, 78605), (29, 78710), (31, 78731), (32, 78812), (33, 78842), (35, 78899), (36, 78932), (38, 79010), (39, 79013), (42, 79097), (45, 79151), (47, 79229),

Gene: Turret_133 Start: 77243, Stop: 78709, Start Num: 6
Candidate Starts for Turret_133:
(1, 76760), (2, 76799), (3, 76943), (4, 76970), (Start: 5 @77240 has 32 MA's), (Start: 6 @77243 has 160 MA's), (7, 77282), (11, 77360), (13, 77444), (15, 77516), (21, 77768), (22, 77777), (25, 77969), (27, 78050), (29, 78155), (31, 78176), (32, 78257), (33, 78287), (35, 78344), (38, 78455), (39, 78458), (42, 78542), (45, 78596), (47, 78674),

Gene: Tyke_137 Start: 79270, Stop: 80736, Start Num: 6
Candidate Starts for Tyke_137:
(1, 78787), (2, 78826), (3, 78970), (4, 78997), (Start: 5 @79267 has 32 MA's), (Start: 6 @79270 has 160 MA's), (7, 79309), (11, 79387), (13, 79471), (15, 79543), (21, 79795), (22, 79804), (25, 79996), (27, 80077), (29, 80182), (31, 80203), (32, 80284), (33, 80314), (35, 80371), (36, 80404), (38, 80482), (39, 80485), (42, 80569), (45, 80623), (47, 80701),

Gene: ValleyTerrace_138 Start: 77872, Stop: 79338, Start Num: 6
Candidate Starts for ValleyTerrace_138:
(1, 77389), (2, 77428), (3, 77572), (4, 77599), (Start: 5 @77869 has 32 MA's), (Start: 6 @77872 has 160 MA's), (7, 77911), (11, 77989), (13, 78073), (15, 78145), (20, 78286), (21, 78397), (22, 78406), (25, 78598), (27, 78679), (29, 78784), (31, 78805), (32, 78886), (33, 78916), (35, 78973), (38, 79084), (39, 79087), (42, 79171), (45, 79225), (47, 79303),

Gene: Vortrix_149 Start: 80685, Stop: 82151, Start Num: 6
Candidate Starts for Vortrix_149:
(2, 80241), (4, 80412), (Start: 5 @80682 has 32 MA's), (Start: 6 @80685 has 160 MA's), (8, 80739), (9, 80742), (11, 80802), (12, 80826), (13, 80886), (16, 81021), (18, 81036), (19, 81090), (22, 81219), (23, 81330), (24, 81393), (25, 81411), (26, 81435), (27, 81492), (28, 81555), (30, 81606), (31, 81618), (32, 81699), (33, 81729), (34, 81765), (36, 81819), (38, 81897), (44, 82023), (46, 82092), (47, 82116),

Gene: Wally_136 Start: 77393, Stop: 78859, Start Num: 6
Candidate Starts for Wally_136:
(1, 76910), (2, 76949), (3, 77093), (4, 77120), (Start: 5 @77390 has 32 MA's), (Start: 6 @77393 has 160 MA's), (7, 77432), (11, 77510), (13, 77594), (15, 77666), (21, 77918), (22, 77927), (25, 78119), (27, 78200), (29, 78305), (31, 78326), (32, 78407), (33, 78437), (35, 78494), (36, 78527), (38, 78605), (39, 78608), (42, 78692), (45, 78746), (47, 78824),

Gene: Willis_138 Start: 78757, Stop: 80226, Start Num: 5
Candidate Starts for Willis_138:
(1, 78277), (2, 78316), (3, 78460), (4, 78487), (Start: 5 @78757 has 32 MA's), (Start: 6 @78760 has 160 MA's), (7, 78799), (11, 78877), (13, 78961), (15, 79033), (21, 79285), (22, 79294), (25, 79486), (27, 79567), (29, 79672), (31, 79693), (32, 79774), (33, 79804), (35, 79861), (38, 79972), (39, 79975), (42, 80059), (45, 80113), (47, 80191),

Gene: Yassified_134 Start: 77470, Stop: 78936, Start Num: 6
Candidate Starts for Yassified_134:
(1, 76987), (2, 77026), (3, 77170), (4, 77197), (Start: 5 @77467 has 32 MA's), (Start: 6 @77470 has 160 MA's), (7, 77509), (11, 77587), (13, 77671), (15, 77743), (21, 77995), (22, 78004), (25, 78196), (27, 78277), (29, 78382), (31, 78403), (32, 78484), (33, 78514), (35, 78571), (38, 78682), (39, 78685), (42, 78769), (45, 78823), (46, 78877), (47, 78901),

Gene: YemiJoy2021_138 Start: 78852, Stop: 80318, Start Num: 6
Candidate Starts for YemiJoy2021_138:
(1, 78369), (2, 78408), (3, 78552), (4, 78579), (Start: 5 @78849 has 32 MA's), (Start: 6 @78852 has 160 MA's), (7, 78891), (11, 78969), (13, 79053), (14, 79065), (15, 79125), (21, 79377), (22, 79386), (25, 79578), (27, 79659), (29, 79764), (31, 79785), (32, 79866), (33, 79896), (35, 79953), (38, 80064), (39, 80067), (42, 80151), (45, 80205), (47, 80283),

Gene: YoungMoneyMata_139 Start: 78498, Stop: 79964, Start Num: 6
Candidate Starts for YoungMoneyMata_139:

(1, 78015), (2, 78054), (3, 78198), (4, 78225), (Start: 5 @78495 has 32 MA's), (Start: 6 @78498 has 160 MA's), (7, 78537), (11, 78615), (13, 78699), (15, 78771), (21, 79023), (22, 79032), (25, 79224), (27, 79305), (29, 79410), (31, 79431), (32, 79512), (33, 79542), (35, 79599), (36, 79632), (38, 79710), (39, 79713), (42, 79797), (45, 79851), (47, 79929),

Gene: Yucca_136 Start: 78534, Stop: 80000, Start Num: 6
Candidate Starts for Yucca_136:
(1, 78051), (2, 78090), (3, 78234), (4, 78261), (Start: 5 @78531 has 32 MA's), (Start: 6 @78534 has 160 MA's), (7, 78573), (11, 78651), (13, 78735), (14, 78747), (15, 78807), (21, 79059), (22, 79068), (25, 79260), (27, 79341), (29, 79446), (31, 79467), (32, 79548), (33, 79578), (35, 79635), (38, 79746), (39, 79749), (42, 79833), (45, 79887), (47, 79965),

Gene: Zalkecks_138 Start: 78535, Stop: 80001, Start Num: 6
Candidate Starts for Zalkecks_138:
(1, 78052), (2, 78091), (3, 78235), (4, 78262), (Start: 5 @78532 has 32 MA's), (Start: 6 @78535 has 160 MA's), (7, 78574), (11, 78652), (13, 78736), (14, 78748), (15, 78808), (21, 79060), (22, 79069), (25, 79261), (27, 79342), (29, 79447), (31, 79468), (32, 79549), (33, 79579), (35, 79636), (38, 79747), (39, 79750), (42, 79834), (45, 79888), (47, 79966),

Gene: Zeenon_138 Start: 78617, Stop: 80086, Start Num: 5
Candidate Starts for Zeenon_138:
(1, 78137), (2, 78176), (3, 78320), (4, 78347), (Start: 5 @78617 has 32 MA's), (Start: 6 @78620 has 160 MA's), (7, 78659), (11, 78737), (13, 78821), (14, 78833), (15, 78893), (21, 79145), (22, 79154), (25, 79346), (27, 79427), (29, 79532), (31, 79553), (32, 79634), (33, 79664), (35, 79721), (38, 79832), (39, 79835), (42, 79919), (45, 79973), (47, 80051),

Gene: ZygoTaiga_135 Start: 79780, Stop: 81246, Start Num: 6
Candidate Starts for ZygoTaiga_135:
(1, 79297), (2, 79336), (3, 79480), (4, 79507), (Start: 5 @79777 has 32 MA's), (Start: 6 @79780 has 160 MA's), (7, 79819), (11, 79897), (13, 79981), (15, 80053), (21, 80305), (22, 80314), (25, 80506), (27, 80587), (29, 80692), (31, 80713), (32, 80794), (33, 80824), (35, 80881), (36, 80914), (38, 80992), (39, 80995), (42, 81079), (45, 81133), (47, 81211),