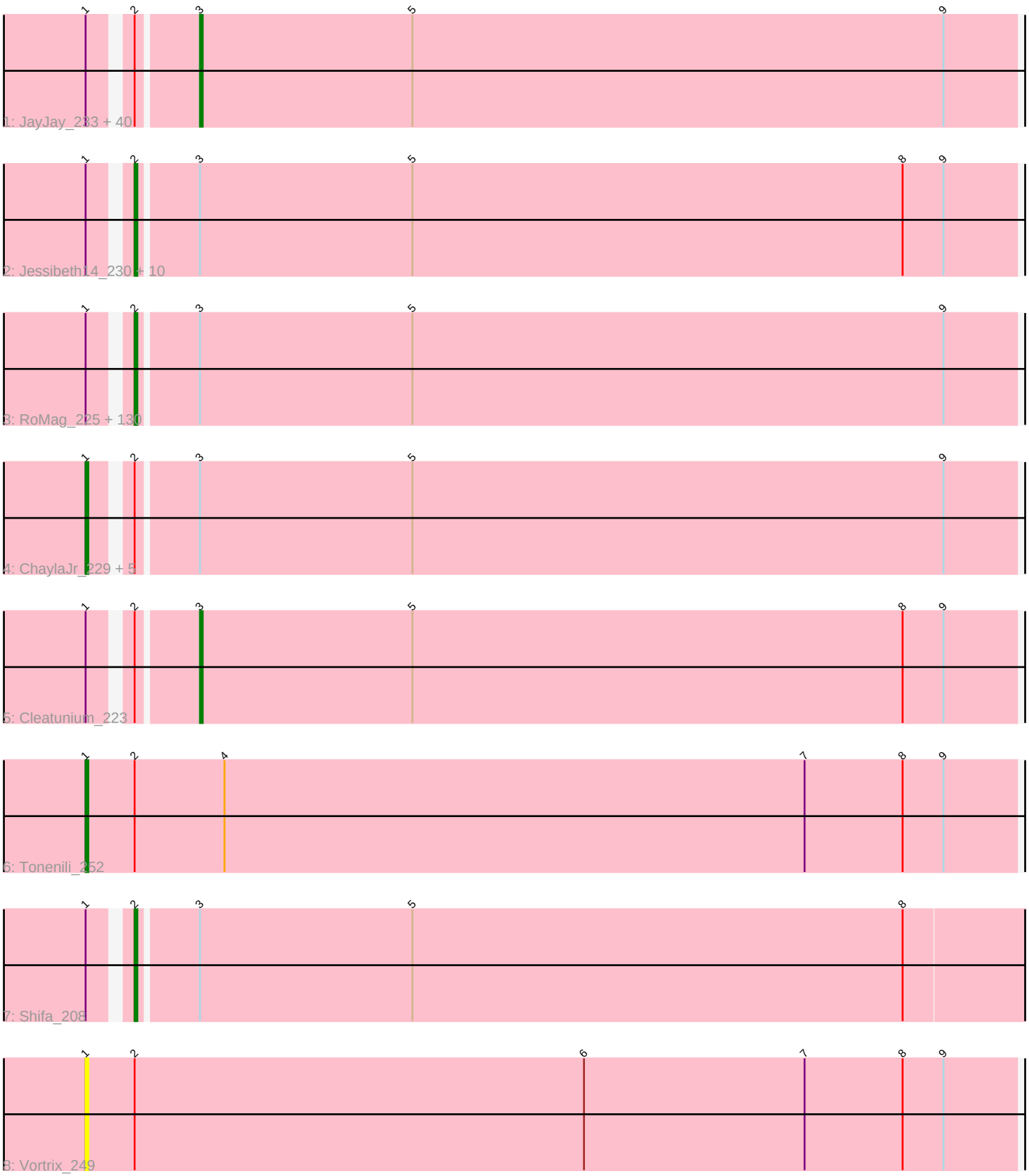
Pham 341764


1
2
3
5
9
1: JayJay_233 + 40
1
2
3
5
8
9
2: Jessibeth14_230 + 10
1
2
3
5
9
3: RoMag_225 + 130
1
2
3
5
9
4: ChaylaJr_229 + 5
1
2
3
5
8
9
5: Cleatunium_223
1
2
4
7
8
9
6: Tonenili_252
1
2
3
5
8
7: Shifa_208
1
2
6
7
8
9
8: Vortrix_249

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 341764 Report

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

Pham number 341764 has 193 members, 25 are drafts.

Phages represented in each track:
• Track 1 : JayJay_233, Audrick_232, Koguma_229, LinStu_229, Caravan_221, Sebata_233, CharlieB_224, DTDevon_233, Drazdys_229, Breeniome_229, Roots515_232, ErnieJ_223, Phlegm_234, Burrough_232, Gizmo_236, Daffodil_235, Erdmann_231, Bread_225, Atlantean_230, Babyland_233, Pier_231, ArcherS7_231, Naval22_237, Rabinovish_223, Shrimp_232, Megamind_227, Jedediah_231, Sprinklers_228, Pio_238, Zalkecks_229, Zeenon_232, Sauce_227, StubbySaigey_235, Bangla1971_231, FudgeTart_225, InigoMontoya_233, BeanWater_223, ZygoTaiga_227, Phox_231, Yucca_230, Willis_231
• Track 2 : Jessibeth14_230, Bonray_232, Moiqah_226, Moby_226, Stubby_214, McWolfish_227, HyRo_217, Flabslab_226, EmToTheThree_230, Khaleesi_229, Pinkcreek_214
• Track 3 : RoMag_225, I3_240, SilverDipper_234, Pivoine_231, FoxtrotP1_228, SrishMeg2525_227, DeejaClivia_219, Blackdragon_225, Patter_232, Gamgam_231, Kboogie_234, GoldenSnow_230, CindyLou_231, Naija_231, ShiaLabeouf_228, Loanshark_227, Tainan_231, SiwenD96_232, SVoro_226, Dietrick_219, GlutenPhree_231, InterFolia_233, Mikro_226, Melpomini_225, LordLeafolot_231, NedWong_229, JPickles_227, ValleyTerrace_231, YemiJoy2021_231, OrediggerDelux_231, Darko_229, Puhon_232, Amataga_231, Capablanca_235, Maby2021_230, Halldule_223, Bigswole_235, Latch_230, Lukilu_221, DirtMonster_223, Mangeria_231, Colt_222, Belieber_223, Quasimodo_233, Shaqnato_221, PharkleMinkus_230, Shelob_231, Rocha_227, EasyJones_233, StephanieG_226, TinyTim_228, SmallFry_231, Salacia_231, LolaVinca_228, Jaygup_227, Basquiat_227, Cane17_222, Delylah_232, Ngannou_227, Delilah_228, Maturis_227, Napoleon13_227, Spec_225, DrPhinkDaddy_227, Ewok_229, Maguvora_231, Momo_231, Chargie21_227, Kamryn_229, McGee_230, ChickenPhender_226, Yassified_227, Bowman_230, Tortoise16_228, Essence_228, Fixie_222, Ading_232, Derek_228, Jemmno_230, Astraea_224, Turret_223, Pupusa_234, Rahel_232, JustHall_224, Asterius_232, Izajani_228, QBert_222, NuevoMundo_233, Issimir_223, Adlitam_230, Bezza_223, JulietS_221, Guwapp_226, Shnickers_229, Nidhogg_231, Trinitium_226, Janiyra_233, YoungMoneyMata_230, BananaFence_227, Gabriel_233, Norm_230, Concombre_235, Fongie_231, NoodleTree_236, Dessert_231, Blackbrain_228, Cactojaque_226, Chomp_231, Specks_234, Teardrop_228, Substance289_227, Morizzled23_227, Demodog_236, EmmaElysia_235, PurduePete_230, SoilZilla_225, Ablatia_229, Lee7_234, LookingGlass_229, FrayBell_233, Fludd_230, BadAgartude_224, JigglyPuff_237, Duckfeet_224, Matsumoto_228, IkeLoa_223, Iota_225, Bipolarisk_228, BobaPhatt_223, Primadonna_225, Domi_224

• Track 4 : ChaylaJr_229, Rizal_222, Pleione_234, Blubba_220, Ava3_229, Labradorite_231
• Track 5 : Cleatunium_223
• Track 6 : Tonenili_252
• Track 7 : Shifa_208
• Track 8 : Vortrix_249

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

The start number called the most often in the published annotations is 2, it was called in 119 of the 168 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ablatia_229, Ading_232, Adlitam_230, Amataga_231, Asterius_232, Astraea_224, BadAgartude_224, BananaFence_227, Basquiat_227, Belieber_223, Bezza_223, Bigswole_235, Bipolarisk_228, Blackbrain_228, Blackdragon_225, BobaPhatt_223, Bonray_232, Bowman_230, Cactojaque_226, Cane17_222, Capablanca_235, Chargie21_227, ChickenPhender_226, Chomp_231, CindyLou_231, Colt_222, Concombre_235, Darko_229, DeejaClivia_219, Delilah_228, Delylah_232, Demodog_236, Derek_228, Dessert_231, Dietrick_219, DirtMonster_223, Domi_224, DrPhinkDaddy_227, Duckfeet_224, EasyJones_233, EmToTheThree_230, EmmaElysia_235, Essence_228, Ewok_229, Fixie_222, Flabslab_226, Fludd_230, Fongie_231, FoxtrotP1_228, FrayBell_233, Gabriel_233, Gamgam_231, GlutenPhree_231, GoldenSnow_230, Guwapp_226, Halldule_223, HyRo_217, I3_240, IkeLoa_223, InterFolia_233, Iota_225, Issimir_223, Izajani_228, JPickles_227, Janiyra_233, Jaygup_227, Jemmno_230, Jessibeth14_230, JigglyPuff_237, JulietS_221, JustHall_224, Kamryn_229, Kboogie_234, Khaleesi_229, Latch_230, Lee7_234, Loanshark_227, LolaVinca_228, LookingGlass_229, LordLeafolot_231, Lukilu_221, Maby2021_230, Maguvora_231, Mangeria_231, Matsumoto_228, Maturis_227, McGee_230, McWolfish_227, Melpomini_225, Mikro_226, Moby_226, Moiqah_226, Momo_231, Morizzled23_227, Naija_231, Napoleon13_227, NedWong_229, Ngannou_227, Nidhogg_231, NoodleTree_236, Norm_230, NuevoMundo_233, OrediggerDelux_231, Patter_232, PharkleMinkus_230, Pinkcreek_214, Pivoine_231, Primadonna_225, Puhon_232, Pupusa_234, PurduePete_230, QBert_222, Quasimodo_233, Rahel_232, RoMag_225, Rocha_227, SVoro_226, Salacia_231, Shaqnato_221, Shelob_231, ShiaLabeouf_228, Shifa_208, Shnickers_229, SilverDipper_234, SiwenD96_232, SmallFry_231, SoilZilla_225, Spec_225, Specks_234, SrishMeg2525_227, StephanieG_226, Stubby_214, Substance289_227, Tainan_231, Teardrop_228, TinyTim_228, Tortoise16_228, Trinitium_226, Turret_223, ValleyTerrace_231, Yassified_227, YemiJoy2021_231, YoungMoneyMata_230,

Genes that have the "Most Annotated" start but do not call it:
• ArcherS7_231, Atlantean_230, Audrick_232, Ava3_229, Babyland_233, Bangla1971_231, BeanWater_223, Blubba_220, Bread_225, Breeniome_229, Burrough_232, Caravan_221, CharlieB_224, ChaylaJr_229, Cleatunium_223, DTDevon_233, Daffodil_235, Drazdys_229, Erdmann_231, ErnieJ_223, FudgeTart_225, Gizmo_236, InigoMontoya_233, JayJay_233, Jedediah_231, Koguma_229, Labradorite_231, LinStu_229, Megamind_227, Naval22_237, Phlegm_234, Phox_231, Pier_231, Pio_238, Pleione_234, Rabinovish_223,

Rizal_222, Roots515_232, Sauce_227, Sebata_233, Shrimp_232, Sprinklers_228, StubbySaigey_235, Tonenili_252, Vortrix_249, Willis_231, Yucca_230, Zalkecks_229, Zeenon_232, ZygoTaiga_227,

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

Summary by start number:

Start 1:
• Found in 193 of 193 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 168
• Called 4.1% of time when present
• Phage (with cluster) where this start called: Ava3_229 (C1), Blubba_220 (C1), ChaylaJr_229 (C1), Labradorite_231 (C1), Pleione_234 (C1), Rizal_222 (C1), Tonenili_252 (C1), Vortrix_249 (C1),

Start 2:
• Found in 193 of 193 (100.0%) of genes in pham
• Manual Annotations of this start: 119 of 168
• Called 74.1% of time when present
• Phage (with cluster) where this start called: Ablatia_229 (C1), Ading_232 (C1), Adlitam_230 (C1), Amataga_231 (C1), Asterius_232 (C1), Astraea_224 (C1), BadAgartude_224 (C1), BananaFence_227 (C1), Basquiat_227 (C1), Belieber_223 (C1), Bezza_223 (C1), Bigswole_235 (C1), Bipolarisk_228 (C1), Blackbrain_228 (C1), Blackdragon_225 (C1), BobaPhatt_223 (C1), Bonray_232 (C1), Bowman_230 (C1), Cactojaque_226 (C1), Cane17_222 (C1), Capablanca_235 (C1), Chargie21_227 (C1), ChickenPhender_226 (C1), Chomp_231 (C1), CindyLou_231 (C1), Colt_222 (C1), Concombre_235 (C1), Darko_229 (C1), DeejaClivia_219 (C1), Delilah_228 (C1), Delylah_232 (C1), Demodog_236 (C1), Derek_228 (C1), Dessert_231 (C1), Dietrick_219 (C1), DirtMonster_223 (C1), Domi_224 (C1), DrPhinkDaddy_227 (C1), Duckfeet_224 (C1), EasyJones_233 (C1), EmToTheThree_230 (C1), EmmaElysia_235 (C1), Essence_228 (C1), Ewok_229 (C1), Fixie_222 (C1), Flabslab_226 (C1), Fludd_230 (C1), Fongie_231 (C1), FoxtrotP1_228 (C1), FrayBell_233 (C1), Gabriel_233 (C1), Gamgam_231 (C1), GlutenPhree_231 (C1), GoldenSnow_230 (C1), Guwapp_226 (C1), Halldule_223 (C1), HyRo_217 (C1), I3_240 (C1), IkeLoa_223 (C1), InterFolia_233 (C1), Iota_225 (C1), Issimir_223 (C1), Izajani_228 (C1), JPickles_227 (C1), Janiyra_233 (C1), Jaygup_227 (C1), Jemmno_230 (C1), Jessibeth14_230 (C1), JigglyPuff_237 (C1), JulietS_221 (C1), JustHall_224 (C1), Kamryn_229 (C1), Kboogie_234 (C1), Khaleesi_229 (C1), Latch_230 (C1), Lee7_234 (C1), Loanshark_227 (C1), LolaVinca_228 (C1), LookingGlass_229 (C1), LordLeafolot_231 (C1), Lukilu_221 (C1), Maby2021_230 (C1), Maguvora_231 (C1), Mangeria_231 (C1), Matsumoto_228 (C1), Maturis_227 (C1), McGee_230 (C1), McWolfish_227 (C1), Melpomini_225 (C1), Mikro_226 (C1), Moby_226 (C1), Moiqah_226 (C1), Momo_231 (C1), Morizzled23_227 (C1), Naija_231 (C1), Napoleon13_227 (C1), NedWong_229 (C1), Ngannou_227 (C1), Nidhogg_231 (C1), NoodleTree_236 (C1), Norm_230 (C1), NuevoMundo_233 (C1), OrediggerDelux_231 (C1), Patter_232 (C1), PharkleMinkus_230 (C1), Pinkcreek_214 (C1), Pivoine_231 (C1), Primadonna_225 (C1), Puhon_232 (C1), Pupusa_234 (C1), PurduePete_230 (C1), QBert_222 (C1), Quasimodo_233 (C1), Rahel_232 (C1), RoMag_225 (C1), Rocha_227 (C1), SVoro_226 (C1), Salacia_231 (C1), Shaqnato_221 (C1), Shelob_231 (C1), ShiaLabeouf_228 (C1), Shifa_208 (C1), Shnickers_229 (C1), SilverDipper_234 (C1), SiwenD96_232 (C1), SmallFry_231 (C1),

SoilZilla_225 (C1), Spec_225 (C1), Specks_234 (C1), SrishMeg2525_227 (C1), StephanieG_226 (C1), Stubby_214 (C1), Substance289_227 (C1), Tainan_231 (C1), Teardrop_228 (C1), TinyTim_228 (C1), Tortoise16_228 (C1), Trinitium_226 (C1), Turret_223 (C1), ValleyTerrace_231 (C1), Yassified_227 (C1), YemiJoy2021_231 (C1), YoungMoneyMata_230 (C1),

Start 3:
• Found in 191 of 193 (99.0%) of genes in pham
• Manual Annotations of this start: 42 of 168
• Called 22.0% of time when present
• Phage (with cluster) where this start called: ArcherS7_231 (C1), Atlantean_230 (C1), Audrick_232 (C1), Babyland_233 (C1), Bangla1971_231 (C1), BeanWater_223 (C1), Bread_225 (C1), Breeniome_229 (C1), Burrough_232 (C1), Caravan_221 (C1), CharlieB_224 (C1), Cleatunium_223 (C1), DTDevon_233 (C1), Daffodil_235 (C1), Drazdys_229 (C1), Erdmann_231 (C1), ErnieJ_223 (C1), FudgeTart_225 (C1), Gizmo_236 (C1), InigoMontoya_233 (C1), JayJay_233 (C1), Jedediah_231 (C1), Koguma_229 (C1), LinStu_229 (C1), Megamind_227 (C1), Naval22_237 (C1), Phlegm_234 (C1), Phox_231 (C1), Pier_231 (C1), Pio_238 (C1), Rabinovish_223 (C1), Roots515_232 (C1), Sauce_227 (C1), Sebata_233 (C1), Shrimp_232 (C1), Sprinklers_228 (C1), StubbySaigey_235 (C1), Willis_231 (C1), Yucca_230 (C1), Zalkecks_229 (C1), Zeenon_232 (C1), ZygoTaiga_227 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 1 was manually annotated 7 times for cluster C1.
•Start number 2 was manually annotated 119 times for cluster C1.
•Start number 3 was manually annotated 42 times for cluster C1.

Gene Information:

Gene: Ablatia_229 Start: 127325, Stop: 127645, Start Num: 2
Candidate Starts for Ablatia_229:
(Start: 1 @127313 has 7 MA's), (Start: 2 @127325 has 119 MA's), (Start: 3 @127346 has 42 MA's), (5, 127424), (9, 127619),

Gene: Ading_232 Start: 129758, Stop: 130078, Start Num: 2
Candidate Starts for Ading_232:
(Start: 1 @129746 has 7 MA's), (Start: 2 @129758 has 119 MA's), (Start: 3 @129779 has 42 MA's), (5, 129857), (9, 130052),

Gene: Adlitam_230 Start: 128362, Stop: 128682, Start Num: 2
Candidate Starts for Adlitam_230:
(Start: 1 @128350 has 7 MA's), (Start: 2 @128362 has 119 MA's), (Start: 3 @128383 has 42 MA's), (5, 128461), (9, 128656),

Gene: Amataga_231 Start: 127361, Stop: 127681, Start Num: 2
Candidate Starts for Amataga_231:

(Start: 1 @127349 has 7 MA's), (Start: 2 @127361 has 119 MA's), (Start: 3 @127382 has 42 MA's), (5, 127460), (9, 127655),

Gene: ArcherS7_231 Start: 129127, Stop: 129426, Start Num: 3
Candidate Starts for ArcherS7_231:
(Start: 1 @129094 has 7 MA's), (Start: 2 @129106 has 119 MA's), (Start: 3 @129127 has 42 MA's), (5, 129205), (9, 129400),

Gene: Asterius_232 Start: 127770, Stop: 128090, Start Num: 2
Candidate Starts for Asterius_232:
(Start: 1 @127758 has 7 MA's), (Start: 2 @127770 has 119 MA's), (Start: 3 @127791 has 42 MA's), (5, 127869), (9, 128064),

Gene: Astraea_224 Start: 126965, Stop: 127285, Start Num: 2
Candidate Starts for Astraea_224:
(Start: 1 @126953 has 7 MA's), (Start: 2 @126965 has 119 MA's), (Start: 3 @126986 has 42 MA's), (5, 127064), (9, 127259),

Gene: Atlantean_230 Start: 127382, Stop: 127681, Start Num: 3
Candidate Starts for Atlantean_230:
(Start: 1 @127349 has 7 MA's), (Start: 2 @127361 has 119 MA's), (Start: 3 @127382 has 42 MA's), (5, 127460), (9, 127655),

Gene: Audrick_232 Start: 127272, Stop: 127571, Start Num: 3
Candidate Starts for Audrick_232:
(Start: 1 @127239 has 7 MA's), (Start: 2 @127251 has 119 MA's), (Start: 3 @127272 has 42 MA's), (5, 127350), (9, 127545),

Gene: Ava3_229 Start: 127808, Stop: 128140, Start Num: 1
Candidate Starts for Ava3_229:
(Start: 1 @127808 has 7 MA's), (Start: 2 @127820 has 119 MA's), (Start: 3 @127841 has 42 MA's), (5, 127919), (9, 128114),

Gene: Babyland_233 Start: 128159, Stop: 128458, Start Num: 3
Candidate Starts for Babyland_233:
(Start: 1 @128126 has 7 MA's), (Start: 2 @128138 has 119 MA's), (Start: 3 @128159 has 42 MA's), (5, 128237), (9, 128432),

Gene: BadAgartude_224 Start: 127451, Stop: 127771, Start Num: 2
Candidate Starts for BadAgartude_224:
(Start: 1 @127439 has 7 MA's), (Start: 2 @127451 has 119 MA's), (Start: 3 @127472 has 42 MA's), (5, 127550), (9, 127745),

Gene: BananaFence_227 Start: 127594, Stop: 127914, Start Num: 2
Candidate Starts for BananaFence_227:
(Start: 1 @127582 has 7 MA's), (Start: 2 @127594 has 119 MA's), (Start: 3 @127615 has 42 MA's), (5, 127693), (9, 127888),

Gene: Bangla1971_231 Start: 128091, Stop: 128390, Start Num: 3
Candidate Starts for Bangla1971_231:
(Start: 1 @128058 has 7 MA's), (Start: 2 @128070 has 119 MA's), (Start: 3 @128091 has 42 MA's), (5, 128169), (9, 128364),

Gene: Basquiat_227 Start: 125880, Stop: 126200, Start Num: 2
Candidate Starts for Basquiat_227:
(Start: 1 @125868 has 7 MA's), (Start: 2 @125880 has 119 MA's), (Start: 3 @125901 has 42 MA's), (5, 125979), (9, 126174),

Gene: BeanWater_223 Start: 127228, Stop: 127527, Start Num: 3
Candidate Starts for BeanWater_223:
(Start: 1 @127195 has 7 MA's), (Start: 2 @127207 has 119 MA's), (Start: 3 @127228 has 42 MA's), (5, 127306), (9, 127501),

Gene: Belieber_223 Start: 126007, Stop: 126327, Start Num: 2
Candidate Starts for Belieber_223:
(Start: 1 @125995 has 7 MA's), (Start: 2 @126007 has 119 MA's), (Start: 3 @126028 has 42 MA's), (5, 126106), (9, 126301),

Gene: Bezza_223 Start: 126906, Stop: 127226, Start Num: 2
Candidate Starts for Bezza_223:
(Start: 1 @126894 has 7 MA's), (Start: 2 @126906 has 119 MA's), (Start: 3 @126927 has 42 MA's), (5, 127005), (9, 127200),

Gene: Bigswole_235 Start: 129929, Stop: 130249, Start Num: 2
Candidate Starts for Bigswole_235:
(Start: 1 @129917 has 7 MA's), (Start: 2 @129929 has 119 MA's), (Start: 3 @129950 has 42 MA's), (5, 130028), (9, 130223),

Gene: Bipolarisk_228 Start: 128089, Stop: 128409, Start Num: 2
Candidate Starts for Bipolarisk_228:
(Start: 1 @128077 has 7 MA's), (Start: 2 @128089 has 119 MA's), (Start: 3 @128110 has 42 MA's), (5, 128188), (9, 128383),

Gene: Blackbrain_228 Start: 127657, Stop: 127977, Start Num: 2
Candidate Starts for Blackbrain_228:
(Start: 1 @127645 has 7 MA's), (Start: 2 @127657 has 119 MA's), (Start: 3 @127678 has 42 MA's), (5, 127756), (9, 127951),

Gene: Blackdragon_225 Start: 127682, Stop: 128002, Start Num: 2
Candidate Starts for Blackdragon_225:
(Start: 1 @127670 has 7 MA's), (Start: 2 @127682 has 119 MA's), (Start: 3 @127703 has 42 MA's), (5, 127781), (9, 127976),

Gene: Blubba_220 Start: 131221, Stop: 131553, Start Num: 1
Candidate Starts for Blubba_220:
(Start: 1 @131221 has 7 MA's), (Start: 2 @131233 has 119 MA's), (Start: 3 @131254 has 42 MA's), (5, 131332), (9, 131527),

Gene: BobaPhatt_223 Start: 126775, Stop: 127095, Start Num: 2
Candidate Starts for BobaPhatt_223:
(Start: 1 @126763 has 7 MA's), (Start: 2 @126775 has 119 MA's), (Start: 3 @126796 has 42 MA's), (5, 126874), (9, 127069),

Gene: Bonray_232 Start: 129457, Stop: 129777, Start Num: 2
Candidate Starts for Bonray_232:

(Start: 1 @129445 has 7 MA's), (Start: 2 @129457 has 119 MA's), (Start: 3 @129478 has 42 MA's), (5, 129556), (8, 129736), (9, 129751),

Gene: Bowman_230 Start: 128572, Stop: 128892, Start Num: 2
Candidate Starts for Bowman_230:
(Start: 1 @128560 has 7 MA's), (Start: 2 @128572 has 119 MA's), (Start: 3 @128593 has 42 MA's), (5, 128671), (9, 128866),

Gene: Bread_225 Start: 127485, Stop: 127784, Start Num: 3
Candidate Starts for Bread_225:
(Start: 1 @127452 has 7 MA's), (Start: 2 @127464 has 119 MA's), (Start: 3 @127485 has 42 MA's), (5, 127563), (9, 127758),

Gene: Breeniome_229 Start: 126939, Stop: 127238, Start Num: 3
Candidate Starts for Breeniome_229:
(Start: 1 @126906 has 7 MA's), (Start: 2 @126918 has 119 MA's), (Start: 3 @126939 has 42 MA's), (5, 127017), (9, 127212),

Gene: Burrough_232 Start: 129255, Stop: 129554, Start Num: 3
Candidate Starts for Burrough_232:
(Start: 1 @129222 has 7 MA's), (Start: 2 @129234 has 119 MA's), (Start: 3 @129255 has 42 MA's), (5, 129333), (9, 129528),

Gene: Cactojaque_226 Start: 126603, Stop: 126923, Start Num: 2
Candidate Starts for Cactojaque_226:
(Start: 1 @126591 has 7 MA's), (Start: 2 @126603 has 119 MA's), (Start: 3 @126624 has 42 MA's), (5, 126702), (9, 126897),

Gene: Cane17_222 Start: 131642, Stop: 131962, Start Num: 2
Candidate Starts for Cane17_222:
(Start: 1 @131630 has 7 MA's), (Start: 2 @131642 has 119 MA's), (Start: 3 @131663 has 42 MA's), (5, 131741), (9, 131936),

Gene: Capablanca_235 Start: 130086, Stop: 130406, Start Num: 2
Candidate Starts for Capablanca_235:
(Start: 1 @130074 has 7 MA's), (Start: 2 @130086 has 119 MA's), (Start: 3 @130107 has 42 MA's), (5, 130185), (9, 130380),

Gene: Caravan_221 Start: 128193, Stop: 128492, Start Num: 3
Candidate Starts for Caravan_221:
(Start: 1 @128160 has 7 MA's), (Start: 2 @128172 has 119 MA's), (Start: 3 @128193 has 42 MA's), (5, 128271), (9, 128466),

Gene: Chargie21_227 Start: 125880, Stop: 126200, Start Num: 2
Candidate Starts for Chargie21_227:
(Start: 1 @125868 has 7 MA's), (Start: 2 @125880 has 119 MA's), (Start: 3 @125901 has 42 MA's), (5, 125979), (9, 126174),

Gene: CharlieB_224 Start: 127607, Stop: 127906, Start Num: 3
Candidate Starts for CharlieB_224:
(Start: 1 @127574 has 7 MA's), (Start: 2 @127586 has 119 MA's), (Start: 3 @127607 has 42 MA's), (5, 127685), (9, 127880),

Gene: ChaylaJr_229 Start: 127259, Stop: 127591, Start Num: 1
Candidate Starts for ChaylaJr_229:
(Start: 1 @127259 has 7 MA's), (Start: 2 @127271 has 119 MA's), (Start: 3 @127292 has 42 MA's), (5, 127370), (9, 127565),

Gene: ChickenPhender_226 Start: 126027, Stop: 126347, Start Num: 2
Candidate Starts for ChickenPhender_226:
(Start: 1 @126015 has 7 MA's), (Start: 2 @126027 has 119 MA's), (Start: 3 @126048 has 42 MA's), (5, 126126), (9, 126321),

Gene: Chomp_231 Start: 129463, Stop: 129783, Start Num: 2
Candidate Starts for Chomp_231:
(Start: 1 @129451 has 7 MA's), (Start: 2 @129463 has 119 MA's), (Start: 3 @129484 has 42 MA's), (5, 129562), (9, 129757),

Gene: CindyLou_231 Start: 129723, Stop: 130043, Start Num: 2
Candidate Starts for CindyLou_231:
(Start: 1 @129711 has 7 MA's), (Start: 2 @129723 has 119 MA's), (Start: 3 @129744 has 42 MA's), (5, 129822), (9, 130017),

Gene: Cleatunium_223 Start: 127305, Stop: 127604, Start Num: 3
Candidate Starts for Cleatunium_223:
(Start: 1 @127272 has 7 MA's), (Start: 2 @127284 has 119 MA's), (Start: 3 @127305 has 42 MA's), (5, 127383), (8, 127563), (9, 127578),

Gene: Colt_222 Start: 130873, Stop: 131193, Start Num: 2
Candidate Starts for Colt_222:
(Start: 1 @130861 has 7 MA's), (Start: 2 @130873 has 119 MA's), (Start: 3 @130894 has 42 MA's), (5, 130972), (9, 131167),

Gene: Concombre_235 Start: 129617, Stop: 129937, Start Num: 2
Candidate Starts for Concombre_235:
(Start: 1 @129605 has 7 MA's), (Start: 2 @129617 has 119 MA's), (Start: 3 @129638 has 42 MA's), (5, 129716), (9, 129911),

Gene: DTDevon_233 Start: 130123, Stop: 130422, Start Num: 3
Candidate Starts for DTDevon_233:
(Start: 1 @130090 has 7 MA's), (Start: 2 @130102 has 119 MA's), (Start: 3 @130123 has 42 MA's), (5, 130201), (9, 130396),

Gene: Daffodil_235 Start: 128410, Stop: 128709, Start Num: 3
Candidate Starts for Daffodil_235:
(Start: 1 @128377 has 7 MA's), (Start: 2 @128389 has 119 MA's), (Start: 3 @128410 has 42 MA's), (5, 128488), (9, 128683),

Gene: Darko_229 Start: 127598, Stop: 127918, Start Num: 2
Candidate Starts for Darko_229:
(Start: 1 @127586 has 7 MA's), (Start: 2 @127598 has 119 MA's), (Start: 3 @127619 has 42 MA's), (5, 127697), (9, 127892),

Gene: DeejaClivia_219 Start: 126435, Stop: 126755, Start Num: 2
Candidate Starts for DeejaClivia_219:

(Start: 1 @126423 has 7 MA's), (Start: 2 @126435 has 119 MA's), (Start: 3 @126456 has 42 MA's), (5, 126534), (9, 126729),

Gene: Delilah_228 Start: 128482, Stop: 128802, Start Num: 2
Candidate Starts for Delilah_228:
(Start: 1 @128470 has 7 MA's), (Start: 2 @128482 has 119 MA's), (Start: 3 @128503 has 42 MA's), (5, 128581), (9, 128776),

Gene: Delylah_232 Start: 128796, Stop: 129116, Start Num: 2
Candidate Starts for Delylah_232:
(Start: 1 @128784 has 7 MA's), (Start: 2 @128796 has 119 MA's), (Start: 3 @128817 has 42 MA's), (5, 128895), (9, 129090),

Gene: Demodog_236 Start: 129627, Stop: 129947, Start Num: 2
Candidate Starts for Demodog_236:
(Start: 1 @129615 has 7 MA's), (Start: 2 @129627 has 119 MA's), (Start: 3 @129648 has 42 MA's), (5, 129726), (9, 129921),

Gene: Derek_228 Start: 128740, Stop: 129060, Start Num: 2
Candidate Starts for Derek_228:
(Start: 1 @128728 has 7 MA's), (Start: 2 @128740 has 119 MA's), (Start: 3 @128761 has 42 MA's), (5, 128839), (9, 129034),

Gene: Dessert_231 Start: 127739, Stop: 128059, Start Num: 2
Candidate Starts for Dessert_231:
(Start: 1 @127727 has 7 MA's), (Start: 2 @127739 has 119 MA's), (Start: 3 @127760 has 42 MA's), (5, 127838), (9, 128033),

Gene: Dietrick_219 Start: 126603, Stop: 126923, Start Num: 2
Candidate Starts for Dietrick_219:
(Start: 1 @126591 has 7 MA's), (Start: 2 @126603 has 119 MA's), (Start: 3 @126624 has 42 MA's), (5, 126702), (9, 126897),

Gene: DirtMonster_223 Start: 127941, Stop: 128261, Start Num: 2
Candidate Starts for DirtMonster_223:
(Start: 1 @127929 has 7 MA's), (Start: 2 @127941 has 119 MA's), (Start: 3 @127962 has 42 MA's), (5, 128040), (9, 128235),

Gene: Domi_224 Start: 127942, Stop: 128262, Start Num: 2
Candidate Starts for Domi_224:
(Start: 1 @127930 has 7 MA's), (Start: 2 @127942 has 119 MA's), (Start: 3 @127963 has 42 MA's), (5, 128041), (9, 128236),

Gene: DrPhinkDaddy_227 Start: 129167, Stop: 129487, Start Num: 2
Candidate Starts for DrPhinkDaddy_227:
(Start: 1 @129155 has 7 MA's), (Start: 2 @129167 has 119 MA's), (Start: 3 @129188 has 42 MA's), (5, 129266), (9, 129461),

Gene: Drazdys_229 Start: 128768, Stop: 129067, Start Num: 3
Candidate Starts for Drazdys_229:
(Start: 1 @128735 has 7 MA's), (Start: 2 @128747 has 119 MA's), (Start: 3 @128768 has 42 MA's), (5, 128846), (9, 129041),

Gene: Duckfeet_224 Start: 127555, Stop: 127875, Start Num: 2
Candidate Starts for Duckfeet_224:
(Start: 1 @127543 has 7 MA's), (Start: 2 @127555 has 119 MA's), (Start: 3 @127576 has 42 MA's), (5, 127654), (9, 127849),

Gene: EasyJones_233 Start: 127123, Stop: 127443, Start Num: 2
Candidate Starts for EasyJones_233:
(Start: 1 @127111 has 7 MA's), (Start: 2 @127123 has 119 MA's), (Start: 3 @127144 has 42 MA's), (5, 127222), (9, 127417),

Gene: EmToTheThree_230 Start: 128506, Stop: 128826, Start Num: 2
Candidate Starts for EmToTheThree_230:
(Start: 1 @128494 has 7 MA's), (Start: 2 @128506 has 119 MA's), (Start: 3 @128527 has 42 MA's), (5, 128605), (8, 128785), (9, 128800),

Gene: EmmaElysia_235 Start: 129618, Stop: 129938, Start Num: 2
Candidate Starts for EmmaElysia_235:
(Start: 1 @129606 has 7 MA's), (Start: 2 @129618 has 119 MA's), (Start: 3 @129639 has 42 MA's), (5, 129717), (9, 129912),

Gene: Erdmann_231 Start: 128495, Stop: 128794, Start Num: 3
Candidate Starts for Erdmann_231:
(Start: 1 @128462 has 7 MA's), (Start: 2 @128474 has 119 MA's), (Start: 3 @128495 has 42 MA's), (5, 128573), (9, 128768),

Gene: ErnieJ_223 Start: 125323, Stop: 125622, Start Num: 3
Candidate Starts for ErnieJ_223:
(Start: 1 @125290 has 7 MA's), (Start: 2 @125302 has 119 MA's), (Start: 3 @125323 has 42 MA's), (5, 125401), (9, 125596),

Gene: Essence_228 Start: 127959, Stop: 128279, Start Num: 2
Candidate Starts for Essence_228:
(Start: 1 @127947 has 7 MA's), (Start: 2 @127959 has 119 MA's), (Start: 3 @127980 has 42 MA's), (5, 128058), (9, 128253),

Gene: Ewok_229 Start: 128417, Stop: 128737, Start Num: 2
Candidate Starts for Ewok_229:
(Start: 1 @128405 has 7 MA's), (Start: 2 @128417 has 119 MA's), (Start: 3 @128438 has 42 MA's), (5, 128516), (9, 128711),

Gene: Fixie_222 Start: 128739, Stop: 129059, Start Num: 2
Candidate Starts for Fixie_222:
(Start: 1 @128727 has 7 MA's), (Start: 2 @128739 has 119 MA's), (Start: 3 @128760 has 42 MA's), (5, 128838), (9, 129033),

Gene: Flabslab_226 Start: 125633, Stop: 125953, Start Num: 2
Candidate Starts for Flabslab_226:
(Start: 1 @125621 has 7 MA's), (Start: 2 @125633 has 119 MA's), (Start: 3 @125654 has 42 MA's), (5, 125732), (8, 125912), (9, 125927),

Gene: Fludd_230 Start: 126835, Stop: 127155, Start Num: 2
Candidate Starts for Fludd_230:

(Start: 1 @126823 has 7 MA's), (Start: 2 @126835 has 119 MA's), (Start: 3 @126856 has 42 MA's), (5, 126934), (9, 127129),

Gene: Fongie_231 Start: 128415, Stop: 128735, Start Num: 2
Candidate Starts for Fongie_231:
(Start: 1 @128403 has 7 MA's), (Start: 2 @128415 has 119 MA's), (Start: 3 @128436 has 42 MA's), (5, 128514), (9, 128709),

Gene: FoxtrotP1_228 Start: 129060, Stop: 129380, Start Num: 2
Candidate Starts for FoxtrotP1_228:
(Start: 1 @129048 has 7 MA's), (Start: 2 @129060 has 119 MA's), (Start: 3 @129081 has 42 MA's), (5, 129159), (9, 129354),

Gene: FrayBell_233 Start: 127023, Stop: 127343, Start Num: 2
Candidate Starts for FrayBell_233:
(Start: 1 @127011 has 7 MA's), (Start: 2 @127023 has 119 MA's), (Start: 3 @127044 has 42 MA's), (5, 127122), (9, 127317),

Gene: FudgeTart_225 Start: 127585, Stop: 127884, Start Num: 3
Candidate Starts for FudgeTart_225:
(Start: 1 @127552 has 7 MA's), (Start: 2 @127564 has 119 MA's), (Start: 3 @127585 has 42 MA's), (5, 127663), (9, 127858),

Gene: Gabriel_233 Start: 126994, Stop: 127314, Start Num: 2
Candidate Starts for Gabriel_233:
(Start: 1 @126982 has 7 MA's), (Start: 2 @126994 has 119 MA's), (Start: 3 @127015 has 42 MA's), (5, 127093), (9, 127288),

Gene: Gamgam_231 Start: 127351, Stop: 127671, Start Num: 2
Candidate Starts for Gamgam_231:
(Start: 1 @127339 has 7 MA's), (Start: 2 @127351 has 119 MA's), (Start: 3 @127372 has 42 MA's), (5, 127450), (9, 127645),

Gene: Gizmo_236 Start: 130411, Stop: 130710, Start Num: 3
Candidate Starts for Gizmo_236:
(Start: 1 @130378 has 7 MA's), (Start: 2 @130390 has 119 MA's), (Start: 3 @130411 has 42 MA's), (5, 130489), (9, 130684),

Gene: GlutenPhree_231 Start: 127362, Stop: 127682, Start Num: 2
Candidate Starts for GlutenPhree_231:
(Start: 1 @127350 has 7 MA's), (Start: 2 @127362 has 119 MA's), (Start: 3 @127383 has 42 MA's), (5, 127461), (9, 127656),

Gene: GoldenSnow_230 Start: 128733, Stop: 129053, Start Num: 2
Candidate Starts for GoldenSnow_230:
(Start: 1 @128721 has 7 MA's), (Start: 2 @128733 has 119 MA's), (Start: 3 @128754 has 42 MA's), (5, 128832), (9, 129027),

Gene: Guwapp_226 Start: 126809, Stop: 127129, Start Num: 2
Candidate Starts for Guwapp_226:
(Start: 1 @126797 has 7 MA's), (Start: 2 @126809 has 119 MA's), (Start: 3 @126830 has 42 MA's), (5, 126908), (9, 127103),

Gene: Halldule_223 Start: 126479, Stop: 126799, Start Num: 2
Candidate Starts for Halldule_223:
(Start: 1 @126467 has 7 MA's), (Start: 2 @126479 has 119 MA's), (Start: 3 @126500 has 42 MA's), (5, 126578), (9, 126773),

Gene: HyRo_217 Start: 127317, Stop: 127637, Start Num: 2
Candidate Starts for HyRo_217:
(Start: 1 @127305 has 7 MA's), (Start: 2 @127317 has 119 MA's), (Start: 3 @127338 has 42 MA's), (5, 127416), (8, 127596), (9, 127611),

Gene: I3_240 Start: 129165, Stop: 129485, Start Num: 2
Candidate Starts for I3_240:
(Start: 1 @129153 has 7 MA's), (Start: 2 @129165 has 119 MA's), (Start: 3 @129186 has 42 MA's), (5, 129264), (9, 129459),

Gene: IkeLoa_223 Start: 127707, Stop: 128027, Start Num: 2
Candidate Starts for IkeLoa_223:
(Start: 1 @127695 has 7 MA's), (Start: 2 @127707 has 119 MA's), (Start: 3 @127728 has 42 MA's), (5, 127806), (9, 128001),

Gene: InigoMontoya_233 Start: 128046, Stop: 128345, Start Num: 3
Candidate Starts for InigoMontoya_233:
(Start: 1 @128013 has 7 MA's), (Start: 2 @128025 has 119 MA's), (Start: 3 @128046 has 42 MA's), (5, 128124), (9, 128319),

Gene: InterFolia_233 Start: 128828, Stop: 129148, Start Num: 2
Candidate Starts for InterFolia_233:
(Start: 1 @128816 has 7 MA's), (Start: 2 @128828 has 119 MA's), (Start: 3 @128849 has 42 MA's), (5, 128927), (9, 129122),

Gene: Iota_225 Start: 127735, Stop: 128055, Start Num: 2
Candidate Starts for Iota_225:
(Start: 1 @127723 has 7 MA's), (Start: 2 @127735 has 119 MA's), (Start: 3 @127756 has 42 MA's), (5, 127834), (9, 128029),

Gene: Issimir_223 Start: 127663, Stop: 127983, Start Num: 2
Candidate Starts for Issimir_223:
(Start: 1 @127651 has 7 MA's), (Start: 2 @127663 has 119 MA's), (Start: 3 @127684 has 42 MA's), (5, 127762), (9, 127957),

Gene: Izajani_228 Start: 128557, Stop: 128877, Start Num: 2
Candidate Starts for Izajani_228:
(Start: 1 @128545 has 7 MA's), (Start: 2 @128557 has 119 MA's), (Start: 3 @128578 has 42 MA's), (5, 128656), (9, 128851),

Gene: JPickles_227 Start: 126713, Stop: 127033, Start Num: 2
Candidate Starts for JPickles_227:
(Start: 1 @126701 has 7 MA's), (Start: 2 @126713 has 119 MA's), (Start: 3 @126734 has 42 MA's), (5, 126812), (9, 127007),

Gene: Janiyra_233 Start: 128250, Stop: 128570, Start Num: 2
Candidate Starts for Janiyra_233:

(Start: 1 @128238 has 7 MA's), (Start: 2 @128250 has 119 MA's), (Start: 3 @128271 has 42 MA's), (5, 128349), (9, 128544),

Gene: JayJay_233 Start: 128161, Stop: 128460, Start Num: 3
Candidate Starts for JayJay_233:
(Start: 1 @128128 has 7 MA's), (Start: 2 @128140 has 119 MA's), (Start: 3 @128161 has 42 MA's), (5, 128239), (9, 128434),

Gene: Jaygup_227 Start: 127884, Stop: 128204, Start Num: 2
Candidate Starts for Jaygup_227:
(Start: 1 @127872 has 7 MA's), (Start: 2 @127884 has 119 MA's), (Start: 3 @127905 has 42 MA's), (5, 127983), (9, 128178),

Gene: Jedediah_231 Start: 128958, Stop: 129257, Start Num: 3
Candidate Starts for Jedediah_231:
(Start: 1 @128925 has 7 MA's), (Start: 2 @128937 has 119 MA's), (Start: 3 @128958 has 42 MA's), (5, 129036), (9, 129231),

Gene: Jemmno_230 Start: 127656, Stop: 127976, Start Num: 2
Candidate Starts for Jemmno_230:
(Start: 1 @127644 has 7 MA's), (Start: 2 @127656 has 119 MA's), (Start: 3 @127677 has 42 MA's), (5, 127755), (9, 127950),

Gene: Jessibeth14_230 Start: 129132, Stop: 129452, Start Num: 2
Candidate Starts for Jessibeth14_230:
(Start: 1 @129120 has 7 MA's), (Start: 2 @129132 has 119 MA's), (Start: 3 @129153 has 42 MA's), (5, 129231), (8, 129411), (9, 129426),

Gene: JigglyPuff_237 Start: 129627, Stop: 129947, Start Num: 2
Candidate Starts for JigglyPuff_237:
(Start: 1 @129615 has 7 MA's), (Start: 2 @129627 has 119 MA's), (Start: 3 @129648 has 42 MA's), (5, 129726), (9, 129921),

Gene: JulietS_221 Start: 125236, Stop: 125556, Start Num: 2
Candidate Starts for JulietS_221:
(Start: 1 @125224 has 7 MA's), (Start: 2 @125236 has 119 MA's), (Start: 3 @125257 has 42 MA's), (5, 125335), (9, 125530),

Gene: JustHall_224 Start: 127186, Stop: 127506, Start Num: 2
Candidate Starts for JustHall_224:
(Start: 1 @127174 has 7 MA's), (Start: 2 @127186 has 119 MA's), (Start: 3 @127207 has 42 MA's), (5, 127285), (9, 127480),

Gene: Kamryn_229 Start: 128776, Stop: 129096, Start Num: 2
Candidate Starts for Kamryn_229:
(Start: 1 @128764 has 7 MA's), (Start: 2 @128776 has 119 MA's), (Start: 3 @128797 has 42 MA's), (5, 128875), (9, 129070),

Gene: Kboogie_234 Start: 127815, Stop: 128135, Start Num: 2
Candidate Starts for Kboogie_234:
(Start: 1 @127803 has 7 MA's), (Start: 2 @127815 has 119 MA's), (Start: 3 @127836 has 42 MA's), (5, 127914), (9, 128109),

Gene: Khaleesi_229 Start: 128599, Stop: 128919, Start Num: 2
Candidate Starts for Khaleesi_229:
(Start: 1 @128587 has 7 MA's), (Start: 2 @128599 has 119 MA's), (Start: 3 @128620 has 42 MA's), (5, 128698), (8, 128878), (9, 128893),

Gene: Koguma_229 Start: 127477, Stop: 127776, Start Num: 3
Candidate Starts for Koguma_229:
(Start: 1 @127444 has 7 MA's), (Start: 2 @127456 has 119 MA's), (Start: 3 @127477 has 42 MA's), (5, 127555), (9, 127750),

Gene: Labradorite_231 Start: 127363, Stop: 127695, Start Num: 1
Candidate Starts for Labradorite_231:
(Start: 1 @127363 has 7 MA's), (Start: 2 @127375 has 119 MA's), (Start: 3 @127396 has 42 MA's), (5, 127474), (9, 127669),

Gene: Latch_230 Start: 127361, Stop: 127681, Start Num: 2
Candidate Starts for Latch_230:
(Start: 1 @127349 has 7 MA's), (Start: 2 @127361 has 119 MA's), (Start: 3 @127382 has 42 MA's), (5, 127460), (9, 127655),

Gene: Lee7_234 Start: 130013, Stop: 130333, Start Num: 2
Candidate Starts for Lee7_234:
(Start: 1 @130001 has 7 MA's), (Start: 2 @130013 has 119 MA's), (Start: 3 @130034 has 42 MA's), (5, 130112), (9, 130307),

Gene: LinStu_229 Start: 127113, Stop: 127412, Start Num: 3
Candidate Starts for LinStu_229:
(Start: 1 @127080 has 7 MA's), (Start: 2 @127092 has 119 MA's), (Start: 3 @127113 has 42 MA's), (5, 127191), (9, 127386),

Gene: Loanshark_227 Start: 127948, Stop: 128268, Start Num: 2
Candidate Starts for Loanshark_227:
(Start: 1 @127936 has 7 MA's), (Start: 2 @127948 has 119 MA's), (Start: 3 @127969 has 42 MA's), (5, 128047), (9, 128242),

Gene: LolaVinca_228 Start: 128258, Stop: 128578, Start Num: 2
Candidate Starts for LolaVinca_228:
(Start: 1 @128246 has 7 MA's), (Start: 2 @128258 has 119 MA's), (Start: 3 @128279 has 42 MA's), (5, 128357), (9, 128552),

Gene: LookingGlass_229 Start: 128106, Stop: 128426, Start Num: 2
Candidate Starts for LookingGlass_229:
(Start: 1 @128094 has 7 MA's), (Start: 2 @128106 has 119 MA's), (Start: 3 @128127 has 42 MA's), (5, 128205), (9, 128400),

Gene: LordLeafolot_231 Start: 127871, Stop: 128191, Start Num: 2
Candidate Starts for LordLeafolot_231:
(Start: 1 @127859 has 7 MA's), (Start: 2 @127871 has 119 MA's), (Start: 3 @127892 has 42 MA's), (5, 127970), (9, 128165),

Gene: Lukilu_221 Start: 128811, Stop: 129131, Start Num: 2
Candidate Starts for Lukilu_221:

(Start: 1 @128799 has 7 MA's), (Start: 2 @128811 has 119 MA's), (Start: 3 @128832 has 42 MA's), (5, 128910), (9, 129105),

Gene: Maby2021_230 Start: 129052, Stop: 129372, Start Num: 2
Candidate Starts for Maby2021_230:
(Start: 1 @129040 has 7 MA's), (Start: 2 @129052 has 119 MA's), (Start: 3 @129073 has 42 MA's), (5, 129151), (9, 129346),

Gene: Maguvora_231 Start: 128781, Stop: 129101, Start Num: 2
Candidate Starts for Maguvora_231:
(Start: 1 @128769 has 7 MA's), (Start: 2 @128781 has 119 MA's), (Start: 3 @128802 has 42 MA's), (5, 128880), (9, 129075),

Gene: Mangeria_231 Start: 129154, Stop: 129474, Start Num: 2
Candidate Starts for Mangeria_231:
(Start: 1 @129142 has 7 MA's), (Start: 2 @129154 has 119 MA's), (Start: 3 @129175 has 42 MA's), (5, 129253), (9, 129448),

Gene: Matsumoto_228 Start: 127803, Stop: 128123, Start Num: 2
Candidate Starts for Matsumoto_228:
(Start: 1 @127791 has 7 MA's), (Start: 2 @127803 has 119 MA's), (Start: 3 @127824 has 42 MA's), (5, 127902), (9, 128097),

Gene: Maturis_227 Start: 128126, Stop: 128446, Start Num: 2
Candidate Starts for Maturis_227:
(Start: 1 @128114 has 7 MA's), (Start: 2 @128126 has 119 MA's), (Start: 3 @128147 has 42 MA's), (5, 128225), (9, 128420),

Gene: McGee_230 Start: 127700, Stop: 128020, Start Num: 2
Candidate Starts for McGee_230:
(Start: 1 @127688 has 7 MA's), (Start: 2 @127700 has 119 MA's), (Start: 3 @127721 has 42 MA's), (5, 127799), (9, 127994),

Gene: McWolfish_227 Start: 127810, Stop: 128130, Start Num: 2
Candidate Starts for McWolfish_227:
(Start: 1 @127798 has 7 MA's), (Start: 2 @127810 has 119 MA's), (Start: 3 @127831 has 42 MA's), (5, 127909), (8, 128089), (9, 128104),

Gene: Megamind_227 Start: 128156, Stop: 128455, Start Num: 3
Candidate Starts for Megamind_227:
(Start: 1 @128123 has 7 MA's), (Start: 2 @128135 has 119 MA's), (Start: 3 @128156 has 42 MA's), (5, 128234), (9, 128429),

Gene: Melpomini_225 Start: 126895, Stop: 127215, Start Num: 2
Candidate Starts for Melpomini_225:
(Start: 1 @126883 has 7 MA's), (Start: 2 @126895 has 119 MA's), (Start: 3 @126916 has 42 MA's), (5, 126994), (9, 127189),

Gene: Mikro_226 Start: 129783, Stop: 130103, Start Num: 2
Candidate Starts for Mikro_226:
(Start: 1 @129771 has 7 MA's), (Start: 2 @129783 has 119 MA's), (Start: 3 @129804 has 42 MA's), (5, 129882), (9, 130077),

Gene: Moby_226 Start: 126962, Stop: 127282, Start Num: 2
Candidate Starts for Moby_226:
(Start: 1 @126950 has 7 MA's), (Start: 2 @126962 has 119 MA's), (Start: 3 @126983 has 42 MA's), (5, 127061), (8, 127241), (9, 127256),

Gene: Moiqah_226 Start: 126939, Stop: 127259, Start Num: 2
Candidate Starts for Moiqah_226:
(Start: 1 @126927 has 7 MA's), (Start: 2 @126939 has 119 MA's), (Start: 3 @126960 has 42 MA's), (5, 127038), (8, 127218), (9, 127233),

Gene: Momo_231 Start: 127361, Stop: 127681, Start Num: 2
Candidate Starts for Momo_231:
(Start: 1 @127349 has 7 MA's), (Start: 2 @127361 has 119 MA's), (Start: 3 @127382 has 42 MA's), (5, 127460), (9, 127655),

Gene: Morizzled23_227 Start: 126728, Stop: 127048, Start Num: 2
Candidate Starts for Morizzled23_227:
(Start: 1 @126716 has 7 MA's), (Start: 2 @126728 has 119 MA's), (Start: 3 @126749 has 42 MA's), (5, 126827), (9, 127022),

Gene: Naija_231 Start: 128064, Stop: 128384, Start Num: 2
Candidate Starts for Naija_231:
(Start: 1 @128052 has 7 MA's), (Start: 2 @128064 has 119 MA's), (Start: 3 @128085 has 42 MA's), (5, 128163), (9, 128358),

Gene: Napoleon13_227 Start: 127092, Stop: 127412, Start Num: 2
Candidate Starts for Napoleon13_227:
(Start: 1 @127080 has 7 MA's), (Start: 2 @127092 has 119 MA's), (Start: 3 @127113 has 42 MA's), (5, 127191), (9, 127386),

Gene: Naval22_237 Start: 129862, Stop: 130161, Start Num: 3
Candidate Starts for Naval22_237:
(Start: 1 @129829 has 7 MA's), (Start: 2 @129841 has 119 MA's), (Start: 3 @129862 has 42 MA's), (5, 129940), (9, 130135),

Gene: NedWong_229 Start: 128522, Stop: 128842, Start Num: 2
Candidate Starts for NedWong_229:
(Start: 1 @128510 has 7 MA's), (Start: 2 @128522 has 119 MA's), (Start: 3 @128543 has 42 MA's), (5, 128621), (9, 128816),

Gene: Ngannou_227 Start: 127046, Stop: 127366, Start Num: 2
Candidate Starts for Ngannou_227:
(Start: 1 @127034 has 7 MA's), (Start: 2 @127046 has 119 MA's), (Start: 3 @127067 has 42 MA's), (5, 127145), (9, 127340),

Gene: Nidhogg_231 Start: 128890, Stop: 129210, Start Num: 2
Candidate Starts for Nidhogg_231:
(Start: 1 @128878 has 7 MA's), (Start: 2 @128890 has 119 MA's), (Start: 3 @128911 has 42 MA's), (5, 128989), (9, 129184),

Gene: NoodleTree_236 Start: 128785, Stop: 129105, Start Num: 2
Candidate Starts for NoodleTree_236:

(Start: 1 @128773 has 7 MA's), (Start: 2 @128785 has 119 MA's), (Start: 3 @128806 has 42 MA's), (5, 128884), (9, 129079),

Gene: Norm_230 Start: 128791, Stop: 129111, Start Num: 2
Candidate Starts for Norm_230:
(Start: 1 @128779 has 7 MA's), (Start: 2 @128791 has 119 MA's), (Start: 3 @128812 has 42 MA's), (5, 128890), (9, 129085),

Gene: NuevoMundo_233 Start: 129346, Stop: 129666, Start Num: 2
Candidate Starts for NuevoMundo_233:
(Start: 1 @129334 has 7 MA's), (Start: 2 @129346 has 119 MA's), (Start: 3 @129367 has 42 MA's), (5, 129445), (9, 129640),

Gene: OrediggerDelux_231 Start: 129017, Stop: 129337, Start Num: 2
Candidate Starts for OrediggerDelux_231:
(Start: 1 @129005 has 7 MA's), (Start: 2 @129017 has 119 MA's), (Start: 3 @129038 has 42 MA's), (5, 129116), (9, 129311),

Gene: Patter_232 Start: 128078, Stop: 128398, Start Num: 2
Candidate Starts for Patter_232:
(Start: 1 @128066 has 7 MA's), (Start: 2 @128078 has 119 MA's), (Start: 3 @128099 has 42 MA's), (5, 128177), (9, 128372),

Gene: PharkleMinkus_230 Start: 127022, Stop: 127342, Start Num: 2
Candidate Starts for PharkleMinkus_230:
(Start: 1 @127010 has 7 MA's), (Start: 2 @127022 has 119 MA's), (Start: 3 @127043 has 42 MA's), (5, 127121), (9, 127316),

Gene: Phlegm_234 Start: 128788, Stop: 129087, Start Num: 3
Candidate Starts for Phlegm_234:
(Start: 1 @128755 has 7 MA's), (Start: 2 @128767 has 119 MA's), (Start: 3 @128788 has 42 MA's), (5, 128866), (9, 129061),

Gene: Phox_231 Start: 128035, Stop: 128334, Start Num: 3
Candidate Starts for Phox_231:
(Start: 1 @128002 has 7 MA's), (Start: 2 @128014 has 119 MA's), (Start: 3 @128035 has 42 MA's), (5, 128113), (9, 128308),

Gene: Pier_231 Start: 128913, Stop: 129212, Start Num: 3
Candidate Starts for Pier_231:
(Start: 1 @128880 has 7 MA's), (Start: 2 @128892 has 119 MA's), (Start: 3 @128913 has 42 MA's), (5, 128991), (9, 129186),

Gene: Pinkcreek_214 Start: 126305, Stop: 126625, Start Num: 2
Candidate Starts for Pinkcreek_214:
(Start: 1 @126293 has 7 MA's), (Start: 2 @126305 has 119 MA's), (Start: 3 @126326 has 42 MA's), (5, 126404), (8, 126584), (9, 126599),

Gene: Pio_238 Start: 130116, Stop: 130415, Start Num: 3
Candidate Starts for Pio_238:
(Start: 1 @130083 has 7 MA's), (Start: 2 @130095 has 119 MA's), (Start: 3 @130116 has 42 MA's), (5, 130194), (9, 130389),

Gene: Pivoine_231 Start: 128064, Stop: 128384, Start Num: 2
Candidate Starts for Pivoine_231:
(Start: 1 @128052 has 7 MA's), (Start: 2 @128064 has 119 MA's), (Start: 3 @128085 has 42 MA's), (5, 128163), (9, 128358),

Gene: Pleione_234 Start: 128815, Stop: 129147, Start Num: 1
Candidate Starts for Pleione_234:
(Start: 1 @128815 has 7 MA's), (Start: 2 @128827 has 119 MA's), (Start: 3 @128848 has 42 MA's), (5, 128926), (9, 129121),

Gene: Primadonna_225 Start: 127725, Stop: 128045, Start Num: 2
Candidate Starts for Primadonna_225:
(Start: 1 @127713 has 7 MA's), (Start: 2 @127725 has 119 MA's), (Start: 3 @127746 has 42 MA's), (5, 127824), (9, 128019),

Gene: Puhon_232 Start: 128723, Stop: 129043, Start Num: 2
Candidate Starts for Puhon_232:
(Start: 1 @128711 has 7 MA's), (Start: 2 @128723 has 119 MA's), (Start: 3 @128744 has 42 MA's), (5, 128822), (9, 129017),

Gene: Pupusa_234 Start: 129391, Stop: 129711, Start Num: 2
Candidate Starts for Pupusa_234:
(Start: 1 @129379 has 7 MA's), (Start: 2 @129391 has 119 MA's), (Start: 3 @129412 has 42 MA's), (5, 129490), (9, 129685),

Gene: PurduePete_230 Start: 129092, Stop: 129412, Start Num: 2
Candidate Starts for PurduePete_230:
(Start: 1 @129080 has 7 MA's), (Start: 2 @129092 has 119 MA's), (Start: 3 @129113 has 42 MA's), (5, 129191), (9, 129386),

Gene: QBert_222 Start: 126415, Stop: 126735, Start Num: 2
Candidate Starts for QBert_222:
(Start: 1 @126403 has 7 MA's), (Start: 2 @126415 has 119 MA's), (Start: 3 @126436 has 42 MA's), (5, 126514), (9, 126709),

Gene: Quasimodo_233 Start: 128400, Stop: 128720, Start Num: 2
Candidate Starts for Quasimodo_233:
(Start: 1 @128388 has 7 MA's), (Start: 2 @128400 has 119 MA's), (Start: 3 @128421 has 42 MA's), (5, 128499), (9, 128694),

Gene: Rabinovish_223 Start: 128022, Stop: 128321, Start Num: 3
Candidate Starts for Rabinovish_223:
(Start: 1 @127989 has 7 MA's), (Start: 2 @128001 has 119 MA's), (Start: 3 @128022 has 42 MA's), (5, 128100), (9, 128295),

Gene: Rahel_232 Start: 128502, Stop: 128822, Start Num: 2
Candidate Starts for Rahel_232:
(Start: 1 @128490 has 7 MA's), (Start: 2 @128502 has 119 MA's), (Start: 3 @128523 has 42 MA's), (5, 128601), (9, 128796),

Gene: Rizal_222 Start: 126305, Stop: 126637, Start Num: 1
Candidate Starts for Rizal_222:

(Start: 1 @126305 has 7 MA's), (Start: 2 @126317 has 119 MA's), (Start: 3 @126338 has 42 MA's), (5, 126416), (9, 126611),

Gene: RoMag_225 Start: 128098, Stop: 128418, Start Num: 2
Candidate Starts for RoMag_225:
(Start: 1 @128086 has 7 MA's), (Start: 2 @128098 has 119 MA's), (Start: 3 @128119 has 42 MA's), (5, 128197), (9, 128392),

Gene: Rocha_227 Start: 127651, Stop: 127971, Start Num: 2
Candidate Starts for Rocha_227:
(Start: 1 @127639 has 7 MA's), (Start: 2 @127651 has 119 MA's), (Start: 3 @127672 has 42 MA's), (5, 127750), (9, 127945),

Gene: Roots515_232 Start: 129664, Stop: 129963, Start Num: 3
Candidate Starts for Roots515_232:
(Start: 1 @129631 has 7 MA's), (Start: 2 @129643 has 119 MA's), (Start: 3 @129664 has 42 MA's), (5, 129742), (9, 129937),

Gene: SVoro_226 Start: 128400, Stop: 128720, Start Num: 2
Candidate Starts for SVoro_226:
(Start: 1 @128388 has 7 MA's), (Start: 2 @128400 has 119 MA's), (Start: 3 @128421 has 42 MA's), (5, 128499), (9, 128694),

Gene: Salacia_231 Start: 129518, Stop: 129838, Start Num: 2
Candidate Starts for Salacia_231:
(Start: 1 @129506 has 7 MA's), (Start: 2 @129518 has 119 MA's), (Start: 3 @129539 has 42 MA's), (5, 129617), (9, 129812),

Gene: Sauce_227 Start: 127847, Stop: 128146, Start Num: 3
Candidate Starts for Sauce_227:
(Start: 1 @127814 has 7 MA's), (Start: 2 @127826 has 119 MA's), (Start: 3 @127847 has 42 MA's), (5, 127925), (9, 128120),

Gene: Sebata_233 Start: 129352, Stop: 129651, Start Num: 3
Candidate Starts for Sebata_233:
(Start: 1 @129319 has 7 MA's), (Start: 2 @129331 has 119 MA's), (Start: 3 @129352 has 42 MA's), (5, 129430), (9, 129625),

Gene: Shaqnato_221 Start: 127224, Stop: 127544, Start Num: 2
Candidate Starts for Shaqnato_221:
(Start: 1 @127212 has 7 MA's), (Start: 2 @127224 has 119 MA's), (Start: 3 @127245 has 42 MA's), (5, 127323), (9, 127518),

Gene: Shelob_231 Start: 129961, Stop: 130281, Start Num: 2
Candidate Starts for Shelob_231:
(Start: 1 @129949 has 7 MA's), (Start: 2 @129961 has 119 MA's), (Start: 3 @129982 has 42 MA's), (5, 130060), (9, 130255),

Gene: ShiaLabeouf_228 Start: 127820, Stop: 128140, Start Num: 2
Candidate Starts for ShiaLabeouf_228:
(Start: 1 @127808 has 7 MA's), (Start: 2 @127820 has 119 MA's), (Start: 3 @127841 has 42 MA's), (5, 127919), (9, 128114),

Gene: Shifa_208 Start: 127286, Stop: 127624, Start Num: 2
Candidate Starts for Shifa_208:
(Start: 1 @127274 has 7 MA's), (Start: 2 @127286 has 119 MA's), (Start: 3 @127307 has 42 MA's), (5, 127385), (8, 127565),

Gene: Shnickers_229 Start: 127884, Stop: 128204, Start Num: 2
Candidate Starts for Shnickers_229:
(Start: 1 @127872 has 7 MA's), (Start: 2 @127884 has 119 MA's), (Start: 3 @127905 has 42 MA's), (5, 127983), (9, 128178),

Gene: Shrimp_232 Start: 129149, Stop: 129448, Start Num: 3
Candidate Starts for Shrimp_232:
(Start: 1 @129116 has 7 MA's), (Start: 2 @129128 has 119 MA's), (Start: 3 @129149 has 42 MA's), (5, 129227), (9, 129422),

Gene: SilverDipper_234 Start: 128620, Stop: 128940, Start Num: 2
Candidate Starts for SilverDipper_234:
(Start: 1 @128608 has 7 MA's), (Start: 2 @128620 has 119 MA's), (Start: 3 @128641 has 42 MA's), (5, 128719), (9, 128914),

Gene: SiwenD96_232 Start: 129466, Stop: 129786, Start Num: 2
Candidate Starts for SiwenD96_232:
(Start: 1 @129454 has 7 MA's), (Start: 2 @129466 has 119 MA's), (Start: 3 @129487 has 42 MA's), (5, 129565), (9, 129760),

Gene: SmallFry_231 Start: 127978, Stop: 128298, Start Num: 2
Candidate Starts for SmallFry_231:
(Start: 1 @127966 has 7 MA's), (Start: 2 @127978 has 119 MA's), (Start: 3 @127999 has 42 MA's), (5, 128077), (9, 128272),

Gene: SoilZilla_225 Start: 127708, Stop: 128028, Start Num: 2
Candidate Starts for SoilZilla_225:
(Start: 1 @127696 has 7 MA's), (Start: 2 @127708 has 119 MA's), (Start: 3 @127729 has 42 MA's), (5, 127807), (9, 128002),

Gene: Spec_225 Start: 128047, Stop: 128367, Start Num: 2
Candidate Starts for Spec_225:
(Start: 1 @128035 has 7 MA's), (Start: 2 @128047 has 119 MA's), (Start: 3 @128068 has 42 MA's), (5, 128146), (9, 128341),

Gene: Specks_234 Start: 128469, Stop: 128789, Start Num: 2
Candidate Starts for Specks_234:
(Start: 1 @128457 has 7 MA's), (Start: 2 @128469 has 119 MA's), (Start: 3 @128490 has 42 MA's), (5, 128568), (9, 128763),

Gene: Sprinklers_228 Start: 127735, Stop: 128034, Start Num: 3
Candidate Starts for Sprinklers_228:
(Start: 1 @127702 has 7 MA's), (Start: 2 @127714 has 119 MA's), (Start: 3 @127735 has 42 MA's), (5, 127813), (9, 128008),

Gene: SrishMeg2525_227 Start: 128624, Stop: 128944, Start Num: 2
Candidate Starts for SrishMeg2525_227:

(Start: 1 @128612 has 7 MA's), (Start: 2 @128624 has 119 MA's), (Start: 3 @128645 has 42 MA's), (5, 128723), (9, 128918),

Gene: StephanieG_226 Start: 128621, Stop: 128941, Start Num: 2
Candidate Starts for StephanieG_226:
(Start: 1 @128609 has 7 MA's), (Start: 2 @128621 has 119 MA's), (Start: 3 @128642 has 42 MA's), (5, 128720), (9, 128915),

Gene: Stubby_214 Start: 126512, Stop: 126832, Start Num: 2
Candidate Starts for Stubby_214:
(Start: 1 @126500 has 7 MA's), (Start: 2 @126512 has 119 MA's), (Start: 3 @126533 has 42 MA's), (5, 126611), (8, 126791), (9, 126806),

Gene: StubbySaigey_235 Start: 128175, Stop: 128474, Start Num: 3
Candidate Starts for StubbySaigey_235:
(Start: 1 @128142 has 7 MA's), (Start: 2 @128154 has 119 MA's), (Start: 3 @128175 has 42 MA's), (5, 128253), (9, 128448),

Gene: Substance289_227 Start: 128026, Stop: 128346, Start Num: 2
Candidate Starts for Substance289_227:
(Start: 1 @128014 has 7 MA's), (Start: 2 @128026 has 119 MA's), (Start: 3 @128047 has 42 MA's), (5, 128125), (9, 128320),

Gene: Tainan_231 Start: 127598, Stop: 127918, Start Num: 2
Candidate Starts for Tainan_231:
(Start: 1 @127586 has 7 MA's), (Start: 2 @127598 has 119 MA's), (Start: 3 @127619 has 42 MA's), (5, 127697), (9, 127892),

Gene: Teardrop_228 Start: 127481, Stop: 127801, Start Num: 2
Candidate Starts for Teardrop_228:
(Start: 1 @127469 has 7 MA's), (Start: 2 @127481 has 119 MA's), (Start: 3 @127502 has 42 MA's), (5, 127580), (9, 127775),

Gene: TinyTim_228 Start: 127448, Stop: 127768, Start Num: 2
Candidate Starts for TinyTim_228:
(Start: 1 @127436 has 7 MA's), (Start: 2 @127448 has 119 MA's), (Start: 3 @127469 has 42 MA's), (5, 127547), (9, 127742),

Gene: Tonenili_252 Start: 133262, Stop: 133603, Start Num: 1
Candidate Starts for Tonenili_252:
(Start: 1 @133262 has 7 MA's), (Start: 2 @133280 has 119 MA's), (4, 133313), (7, 133526), (8, 133562), (9, 133577),

Gene: Tortoise16_228 Start: 127910, Stop: 128230, Start Num: 2
Candidate Starts for Tortoise16_228:
(Start: 1 @127898 has 7 MA's), (Start: 2 @127910 has 119 MA's), (Start: 3 @127931 has 42 MA's), (5, 128009), (9, 128204),

Gene: Trinitium_226 Start: 126202, Stop: 126522, Start Num: 2
Candidate Starts for Trinitium_226:
(Start: 1 @126190 has 7 MA's), (Start: 2 @126202 has 119 MA's), (Start: 3 @126223 has 42 MA's), (5, 126301), (9, 126496),

Gene: Turret_223 Start: 125784, Stop: 126104, Start Num: 2
Candidate Starts for Turret_223:
(Start: 1 @125772 has 7 MA's), (Start: 2 @125784 has 119 MA's), (Start: 3 @125805 has 42 MA's), (5, 125883), (9, 126078),

Gene: ValleyTerrace_231 Start: 127361, Stop: 127681, Start Num: 2
Candidate Starts for ValleyTerrace_231:
(Start: 1 @127349 has 7 MA's), (Start: 2 @127361 has 119 MA's), (Start: 3 @127382 has 42 MA's), (5, 127460), (9, 127655),

Gene: Vortrix_249 Start: 132049, Stop: 132390, Start Num: 1
Candidate Starts for Vortrix_249:
(Start: 1 @132049 has 7 MA's), (Start: 2 @132067 has 119 MA's), (6, 132232), (7, 132313), (8, 132349), (9, 132364),

Gene: Willis_231 Start: 128305, Stop: 128604, Start Num: 3
Candidate Starts for Willis_231:
(Start: 1 @128272 has 7 MA's), (Start: 2 @128284 has 119 MA's), (Start: 3 @128305 has 42 MA's), (5, 128383), (9, 128578),

Gene: Yassified_227 Start: 127697, Stop: 128017, Start Num: 2
Candidate Starts for Yassified_227:
(Start: 1 @127685 has 7 MA's), (Start: 2 @127697 has 119 MA's), (Start: 3 @127718 has 42 MA's), (5, 127796), (9, 127991),

Gene: YemiJoy2021_231 Start: 129015, Stop: 129335, Start Num: 2
Candidate Starts for YemiJoy2021_231:
(Start: 1 @129003 has 7 MA's), (Start: 2 @129015 has 119 MA's), (Start: 3 @129036 has 42 MA's), (5, 129114), (9, 129309),

Gene: YoungMoneyMata_230 Start: 128532, Stop: 128852, Start Num: 2
Candidate Starts for YoungMoneyMata_230:
(Start: 1 @128520 has 7 MA's), (Start: 2 @128532 has 119 MA's), (Start: 3 @128553 has 42 MA's), (5, 128631), (9, 128826),

Gene: Yucca_230 Start: 129028, Stop: 129327, Start Num: 3
Candidate Starts for Yucca_230:
(Start: 1 @128995 has 7 MA's), (Start: 2 @129007 has 119 MA's), (Start: 3 @129028 has 42 MA's), (5, 129106), (9, 129301),

Gene: Zalkecks_229 Start: 128134, Stop: 128433, Start Num: 3
Candidate Starts for Zalkecks_229:
(Start: 1 @128101 has 7 MA's), (Start: 2 @128113 has 119 MA's), (Start: 3 @128134 has 42 MA's), (5, 128212), (9, 128407),

Gene: Zeenon_232 Start: 128668, Stop: 128967, Start Num: 3
Candidate Starts for Zeenon_232:
(Start: 1 @128635 has 7 MA's), (Start: 2 @128647 has 119 MA's), (Start: 3 @128668 has 42 MA's), (5, 128746), (9, 128941),

Gene: ZygoTaiga_227 Start: 129325, Stop: 129624, Start Num: 3
Candidate Starts for ZygoTaiga_227:

(Start: 1 @129292 has 7 MA's), (Start: 2 @129304 has 119 MA's), (Start: 3 @129325 has 42 MA's), (5, 129403), (9, 129598),