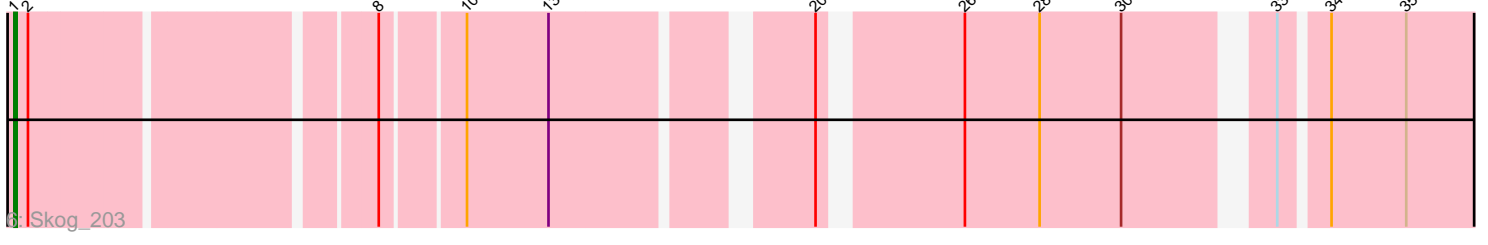
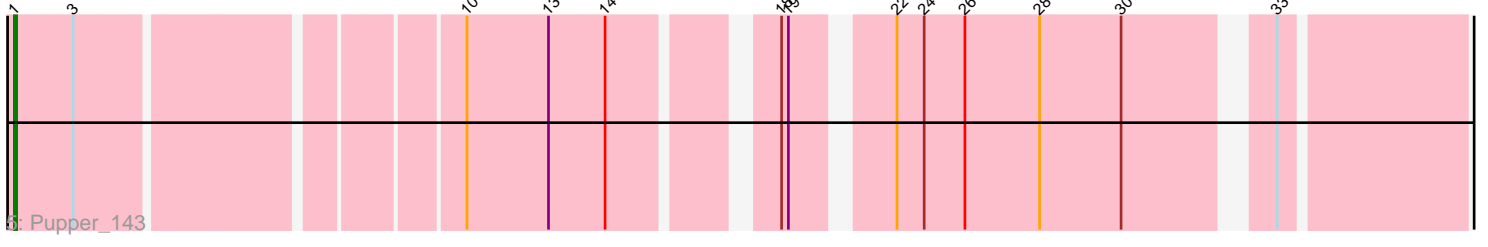
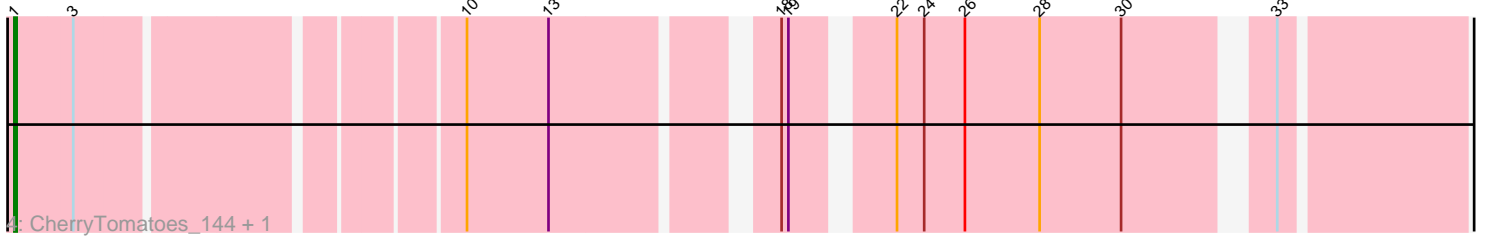
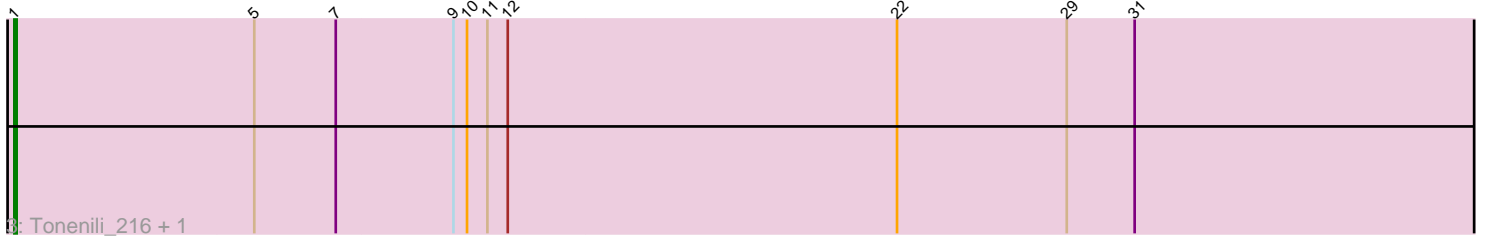
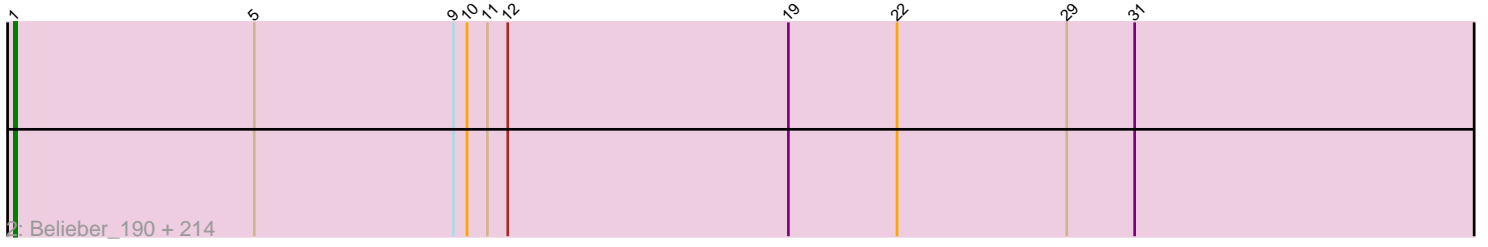
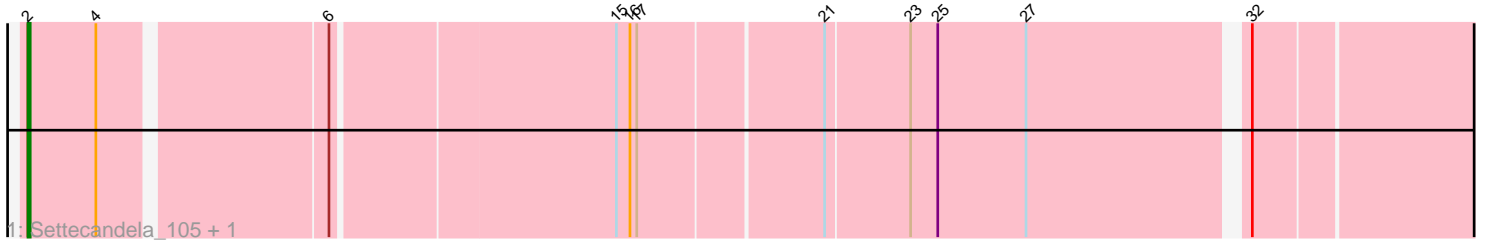


Pham 308058



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 308058 Report

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

Pham number 308058 has 223 members, 37 are drafts.

Phages represented in each track:

- Track 1 : Settecandela_105, Phrappuccino_105
- Track 2 : Belieber_190, Phusco_195, Cane17_187, Guwapp_191, Derek_193, LifeSavor_195, Cali_189, McWolfish_193, BigCity_204, Littleton_199, Roots515_198, Adlitam_195, Kboogie_200, LolaVinca_194, JulietS_187, Grasshills_203, PharkleMinkus_198, Ronan_191, OrediggerDelux_192, Babyland_198, Teardrop_193, Labradorite_194, Rabinovish_190, Daffodil_200, Chomp_195, Bread_191, JPickles_192, Rahel_197, Willis_196, Burrough_198, Nidhogg_197, Bezza_184, Darko_195, Bowman_194, Pupusa_200, Ading_196, Napoleon13_194, Pio_204, Bigswole_200, Audrick_199, SoilZilla_192, ZygoTaiga_192, Phlegm_199, Caravan_186, Kamryn_195, LinStu_194, ChickenPhender_193, SilverDipper_199, Breeniome_195, Erdmann_197, MoMoMixon_193, Gizmo_201, InterFolia_199, Zeenon_198, Flabslab_192, Dandelion_203, Primadonna_190, Momo_196, Naval22_203, Rizal_189, MikeLiesIn_197, I3_205, BobaPhatt_189, Basquiat_194, Jezreel_193, Duckfeet_190, LookingGlass_195, FrayBell_199, Sauce_192, Latch_195, HyRo_184, Ngannou_192, SmallFry_196, SVoro_192, Delylah_197, McGee_196, Concombre_200, Phox_196, Bipolarisk_194, Khaleesi_195, Delilah_194, BeanWater_187, TinyTim_194, ArcherS7_195, CharlieB_189, Halldule_188, Lethe_196, Yassified_192, Ava3_194, EasyJones_200, Turret_190, Norm_195, BadAgartude_190, Maturis_194, Janiyra_200, NoodleTree_202, EmmaElysia_199, Montpel_195, Capablanca_200, LRRHood_188, Demodog_201, Domi_190, Astraea_190, Substance289_193, IkeLoa_188, Iota_190, Issimir_189, Pinkcreek_180, EggyFarm_204, Shrimp_197, Melpomini_190, Blackdragon_190, Tyke_194, Salacia_196, Gabriel_199, EmToTheThree_197, Quasimodo_199, JayJay_198, BananaFence_193, Wally_195, Yucca_196, Izajani_194, Bxz1_186, Chargie21_194, Asterius_197, RoMag_191, Mikro_191, Stubby_181, Dietrick_186, Trinitium_193, Grungle_181, Alice_183, DeejaClivia_184, BackyardAgain_193, Moby_192, Cleatunium_189, Fixie_195, YoungMoneyMata_195, DrPhinkDaddy_193, Cactojaque_192, JustHall_191, StubbySaigey_200, Matsumoto_195, FudgeTart_191, Pleione_200, Moiqah_191, Megamind_193, PurduePete_196, Bangla1971_196, Spud_191, Lee7_196, Gamgam_196, Mangeria_196, StephanieG_193, YemiJoy2021_196, FoxtrotP1_194, ShiaLabeouf_193, Fludd_197, Tainan_197, ScottMcG_189, Rocha_193, CindyLou_197, ChaylaJr_194, Koguma_194, ErnieJ_189, Lukilu_186, Jessibeth14_196, Patter_196, LordLeafolot_197, ValleyTerrace_196, NuevoMundo_199, Ablatia_196, Pier_197, Jaygup_192, Jedediah_196, Drazdys_194, Fongie_197, Atlantean_195, Dessert_193, Shnickers_194, GlutenPhree_196, Jemmno_195, Colt_187, Catera_190, NedWong_195, DTDevon_198, Ewok_195, ET08_183, Pivoine_196, Specks_200,

Sprinklers_193, JigglyPuff_202, Morizzled23_194, Amataga_196, InigoMontoya_198, Loanshark_193, Tortoise16_194, Maby2021_195, Blubba_185, Lunareta_195, Shaqnato_188, Sebata_197, DirtMonster_189, Shelob_197, Nappy_196, Spec_191, QBert_187, Essence_193, Ghost_196, Zalkecks_195, Naija_196, ParkTD_194, SrishMeg2525_193, Bonray_198, Blackbrain_193

- Track 3 : Tonenili_216, Vortrix_214
- Track 4 : CherryTomatoes_144, SCentae_142
- Track 5 : Pupper_143
- Track 6 : Skog_203

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

The start number called the most often in the published annotations is 1, it was called in 184 of the 186 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ablatia_196, Ading_196, Adlitam_195, Alice_183, Amataga_196, ArcherS7_195, Asterius_197, Astraea_190, Atlantean_195, Audrick_199, Ava3_194, Babyland_198, BackyardAgain_193, BadAgartude_190, BananaFence_193, Bangla1971_196, Basquiat_194, BeanWater_187, Belieber_190, Bezza_184, BigCity_204, Bigswole_200, Bipolarisk_194, Blackbrain_193, Blackdragon_190, Blubba_185, BobaPhatt_189, Bonray_198, Bowman_194, Bread_191, Breeniome_195, Burrough_198, Bxz1_186, Cactojaque_192, Cali_189, Cane17_187, Capablanca_200, Caravan_186, Catera_190, Chargie21_194, CharlieB_189, ChaylaJr_194, CherryTomatoes_144, ChickenPhender_193, Chomp_195, CindyLou_197, Cleatunium_189, Colt_187, Concombre_200, DTDevon_198, Daffodil_200, Dandelion_203, Darko_195, DeejaClivia_184, Delilah_194, Delylah_197, Demodog_201, Derek_193, Dessert_193, Dietrick_186, DirtMonster_189, Domi_190, DrPhinkDaddy_193, Drazdys_194, Duckfeet_190, ET08_183, EasyJones_200, EggyFarm_204, EmToTheThree_197, EmmaElysia_199, Erdmann_197, ErnieJ_189, Essence_193, Ewok_195, Fixie_195, Flabslab_192, Fludd_197, Fongie_197, FoxtrotP1_194, FrayBell_199, FudgeTart_191, Gabriel_199, Gamgam_196, Ghost_196, Gizmo_201, GlutenPhree_196, Grasshills_203, Grungle_181, Guwapp_191, Halldule_188, HyRo_184, I3_205, IkeLoa_188, InigoMontoya_198, InterFolia_199, Iota_190, Issimir_189, Izajani_194, JPickles_192, Janiyra_200, JayJay_198, Jaygup_192, Jedediah_196, Jemmno_195, Jessibeth14_196, Jezreel_193, JigglyPuff_202, JulietS_187, JustHall_191, Kamryn_195, Kboogie_200, Khaleesi_195, Koguma_194, LRRHood_188, Labradorite_194, Latch_195, Lee7_196, Lethe_196, LifeSavor_195, LinStu_194, Littleton_199, Loanshark_193, LolaVinca_194, LookingGlass_195, LordLeafolot_197, Lukilu_186, Lunareta_195, Maby2021_195, Mangeria_196, Matsumoto_195, Maturis_194, McGee_196, McWolfish_193, Megamind_193, Melpomini_190, MikeLiesIn_197, Mikro_191, MoMoMixon_193, Moby_192, Moiqah_191, Momo_196, Montpel_195, Morizzled23_194, Naija_196, Napoleon13_194, Nappy_196, Naval22_203, NedWong_195, Ngannou_192, Nidhogg_197, NoodleTree_202, Norm_195, NuevoMundo_199, OrediggerDelux_192, ParkTD_194, Patter_196, PharkleMinkus_198, Phlegm_199, Phox_196, Phusco_195, Pier_197, Pinkcreek_180, Pio_204, Pivoine_196, Pleione_200, Primadonna_190, Pupper_143, Pupusa_200, PurduePete_196, QBert_187, Quasimodo_199, Rabinovish_190, Rahel_197, Rizal_189, RoMag_191, Rocha_193, Ronan_191,

Roots515_198, SCentae_142, SVoro_192, Salacia_196, Sauce_192, ScottMcG_189, Sebata_197, Shaqato_188, Shelob_197, ShiaLabeouf_193, Shnickers_194, Shrimp_197, SilverDipper_199, Skog_203, SmallFry_196, SoilZilla_192, Spec_191, Specks_200, Sprinklers_193, Spud_191, SrishMeg2525_193, StephanieG_193, StubbySaigey_200, Stubby_181, Substance289_193, Tainan_197, Teardrop_193, TinyTim_194, Tonenili_216, Tortoise16_194, Trinitium_193, Turret_190, Tyke_194, ValleyTerrace_196, Vortrix_214, Wally_195, Willis_196, Yassified_192, YemiJoy2021_196, YoungMoneyMata_195, Yucca_196, Zalkecks_195, Zeenon_198, ZygoTaiga_192,

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

-

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

- Phrappuccino_105, Settecandela_105,

Summary by start number:

Start 1:

- Found in 221 of 223 (99.1%) of genes in pham
- Manual Annotations of this start: 184 of 186
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ablatia_196 (C1), Ading_196 (C1), Adlitam_195 (C1), Alice_183 (C1), Amataga_196 (C1), ArcherS7_195 (C1), Asterius_197 (C1), Astraea_190 (C1), Atlantean_195 (C1), Audrick_199 (C1), Ava3_194 (C1), Babyland_198 (C1), BackyardAgain_193 (C1), BadAgartude_190 (C1), BananaFence_193 (C1), Bangla1971_196 (C1), Basquiat_194 (C1), BeanWater_187 (C1), Belieber_190 (C1), Bezza_184 (C1), BigCity_204 (C1), Bigswole_200 (C1), Bipolarisk_194 (C1), Blackbrain_193 (C1), Blackdragon_190 (C1), Blubba_185 (C1), BobaPhatt_189 (C1), Bonray_198 (C1), Bowman_194 (C1), Bread_191 (C1), Breeniome_195 (C1), Burrough_198 (C1), Bxz1_186 (C1), Cactojaque_192 (C1), Cali_189 (C1), Cane17_187 (C1), Capablanca_200 (C1), Caravan_186 (C1), Catera_190 (C1), Chargie21_194 (C1), CharlieB_189 (C1), ChaylaJr_194 (C1), CherryTomatoes_144 (DO), ChickenPhender_193 (C1), Chomp_195 (C1), CindyLou_197 (C1), Cleatunium_189 (C1), Colt_187 (C1), Concombre_200 (C1), DTDevon_198 (C1), Daffodil_200 (C1), Dandelion_203 (C1), Darko_195 (C1), DeejaClivia_184 (C1), Delilah_194 (C1), Delylah_197 (C1), Demodog_201 (C1), Derek_193 (C1), Dessert_193 (C1), Dietrick_186 (C1), DirtMonster_189 (C1), Domi_190 (C1), DrPhinkDaddy_193 (C1), Drazdys_194 (C1), Duckfeet_190 (C1), ET08_183 (C1), EasyJones_200 (C1), EggyFarm_204 (C1), EmToTheThree_197 (C1), EmmaElysia_199 (C1), Erdmann_197 (C1), ErnieJ_189 (C1), Essence_193 (C1), Ewok_195 (C1), Fixie_195 (C1), Flabslab_192 (C1), Fludd_197 (C1), Fongie_197 (C1), FoxtrotP1_194 (C1), FrayBell_199 (C1), FudgeTart_191 (C1), Gabriel_199 (C1), Gamgam_196 (C1), Ghost_196 (C1), Gizmo_201 (C1), GlutenPhree_196 (C1), Grasshills_203 (C1), Grungle_181 (C1), Guwapp_191 (C1), Halldule_188 (C1), HyRo_184 (C1), I3_205 (C1), IkeLoa_188 (C1), InigoMontoya_198 (C1), InterFolia_199 (C1), Iota_190 (C1), Issimir_189 (C1), Izajani_194 (C1), JPickles_192 (C1), Janiyr_200 (C1), JayJay_198 (C1), Jaygup_192 (C1), Jedediah_196 (C1), Jemmno_195 (C1), Jessibeth14_196 (C1), Jezreel_193 (C1), JigglyPuff_202 (C1), JulietS_187 (C1), JustHall_191 (C1), Kamryn_195 (C1), Kboogie_200 (C1), Khaleesi_195 (C1), Koguma_194 (C1), LRRHood_188 (C1), Labradorite_194 (C1), Latch_195 (C1), Lee7_196 (C1), Lethe_196 (C1), LifeSavor_195 (C1), LinStu_194 (C1), Littleton_199 (C1),

Loanshark_193 (C1), LolaVinca_194 (C1), LookingGlass_195 (C1), LordLeafolot_197 (C1), Lukilu_186 (C1), Lunareta_195 (C1), Maby2021_195 (C1), Mangeria_196 (C1), Matsumoto_195 (C1), Maturis_194 (C1), McGee_196 (C1), McWolfish_193 (C1), Megamind_193 (C1), Melpomini_190 (C1), MikeLiesIn_197 (C1), Mikro_191 (C1), MoMoMixon_193 (C1), Moby_192 (C1), Moiqah_191 (C1), Momo_196 (C1), Montpel_195 (C1), Morizzled23_194 (C1), Naija_196 (C1), Napoleon13_194 (C1), Nappy_196 (C1), Naval22_203 (C1), NedWong_195 (C1), Ngannou_192 (C1), Nidhogg_197 (C1), NoodleTree_202 (C1), Norm_195 (C1), NuevoMundo_199 (C1), OrediggerDelux_192 (C1), ParkTD_194 (C1), Patter_196 (C1), PharkleMinkus_198 (C1), Phlegm_199 (C1), Phox_196 (C1), Phusco_195 (C1), Pier_197 (C1), Pinkcreek_180 (C1), Pio_204 (C1), Pivoine_196 (C1), Pleione_200 (C1), Primadonna_190 (C1), Pupper_143 (DO), Pupusa_200 (C1), PurduePete_196 (C1), QBert_187 (C1), Quasimodo_199 (C1), Rabinovish_190 (C1), Rahel_197 (C1), Rizal_189 (C1), RoMag_191 (C1), Rocha_193 (C1), Ronan_191 (C1), Roots515_198 (C1), SCentae_142 (DO), SVoro_192 (C1), Salacia_196 (C1), Sauce_192 (C1), ScottMcG_189 (C1), Sebata_197 (C1), Shaqnato_188 (C1), Shelob_197 (C1), ShiaLabeouf_193 (C1), Shnickers_194 (C1), Shrimp_197 (C1), SilverDipper_199 (C1), Skog_203 (DO), SmallFry_196 (C1), SoilZilla_192 (C1), Spec_191 (C1), Specks_200 (C1), Sprinklers_193 (C1), Spud_191 (C1), SrishMeg2525_193 (C1), StephanieG_193 (C1), StubbySaigey_200 (C1), Stubby_181 (C1), Substance289_193 (C1), Tainan_197 (C1), Teardrop_193 (C1), TinyTim_194 (C1), Tonenili_216 (C1), Tortoise16_194 (C1), Trinitium_193 (C1), Turret_190 (C1), Tyke_194 (C1), ValleyTerrace_196 (C1), Vortrix_214 (C1), Wally_195 (C1), Willis_196 (C1), Yassified_192 (C1), YemiJoy2021_196 (C1), YoungMoneyMata_195 (C1), Yucca_196 (C1), Zalkecks_195 (C1), Zeenon_198 (C1), ZygoTaiga_192 (C1),

Start 2:

- Found in 3 of 223 (1.3%) of genes in pham
- Manual Annotations of this start: 2 of 186
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Phrappuccino_105 (AA), Settecandela_105 (AA),

Summary by clusters:

There are 3 clusters represented in this pham: AA, DO, C1,

Info for manual annotations of cluster AA:

- Start number 2 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster C1:

- Start number 1 was manually annotated 180 times for cluster C1.

Info for manual annotations of cluster DO:

- Start number 1 was manually annotated 4 times for cluster DO.

Gene Information:

Gene: Ablatia_196 Start: 104388, Stop: 105035, Start Num: 1

Candidate Starts for Ablatia_196:

(Start: 1 @104388 has 184 MA's), (5, 104493), (9, 104580), (10, 104586), (11, 104595), (12, 104604), (19, 104727), (22, 104775), (29, 104850), (31, 104880),

Gene: Ading_196 Start: 104223, Stop: 104870, Start Num: 1

Candidate Starts for Ading_196:

(Start: 1 @104223 has 184 MA's), (5, 104328), (9, 104415), (10, 104421), (11, 104430), (12, 104439), (19, 104562), (22, 104610), (29, 104685), (31, 104715),

Gene: Adlitam_195 Start: 103310, Stop: 103957, Start Num: 1

Candidate Starts for Adlitam_195:

(Start: 1 @103310 has 184 MA's), (5, 103415), (9, 103502), (10, 103508), (11, 103517), (12, 103526), (19, 103649), (22, 103697), (29, 103772), (31, 103802),

Gene: Alice_183 Start: 103278, Stop: 103925, Start Num: 1

Candidate Starts for Alice_183:

(Start: 1 @103278 has 184 MA's), (5, 103383), (9, 103470), (10, 103476), (11, 103485), (12, 103494), (19, 103617), (22, 103665), (29, 103740), (31, 103770),

Gene: Amataga_196 Start: 102639, Stop: 103286, Start Num: 1

Candidate Starts for Amataga_196:

(Start: 1 @102639 has 184 MA's), (5, 102744), (9, 102831), (10, 102837), (11, 102846), (12, 102855), (19, 102978), (22, 103026), (29, 103101), (31, 103131),

Gene: ArcherS7_195 Start: 103666, Stop: 104313, Start Num: 1

Candidate Starts for ArcherS7_195:

(Start: 1 @103666 has 184 MA's), (5, 103771), (9, 103858), (10, 103864), (11, 103873), (12, 103882), (19, 104005), (22, 104053), (29, 104128), (31, 104158),

Gene: Asterius_197 Start: 103357, Stop: 104004, Start Num: 1

Candidate Starts for Asterius_197:

(Start: 1 @103357 has 184 MA's), (5, 103462), (9, 103549), (10, 103555), (11, 103564), (12, 103573), (19, 103696), (22, 103744), (29, 103819), (31, 103849),

Gene: Astraea_190 Start: 102728, Stop: 103375, Start Num: 1

Candidate Starts for Astraea_190:

(Start: 1 @102728 has 184 MA's), (5, 102833), (9, 102920), (10, 102926), (11, 102935), (12, 102944), (19, 103067), (22, 103115), (29, 103190), (31, 103220),

Gene: Atlantean_195 Start: 102639, Stop: 103286, Start Num: 1

Candidate Starts for Atlantean_195:

(Start: 1 @102639 has 184 MA's), (5, 102744), (9, 102831), (10, 102837), (11, 102846), (12, 102855), (19, 102978), (22, 103026), (29, 103101), (31, 103131),

Gene: Audrick_199 Start: 103321, Stop: 103968, Start Num: 1

Candidate Starts for Audrick_199:

(Start: 1 @103321 has 184 MA's), (5, 103426), (9, 103513), (10, 103519), (11, 103528), (12, 103537), (19, 103660), (22, 103708), (29, 103783), (31, 103813),

Gene: Ava3_194 Start: 103382, Stop: 104029, Start Num: 1

Candidate Starts for Ava3_194:

(Start: 1 @103382 has 184 MA's), (5, 103487), (9, 103574), (10, 103580), (11, 103589), (12, 103598), (19, 103721), (22, 103769), (29, 103844), (31, 103874),

Gene: Babyland_198 Start: 103416, Stop: 104063, Start Num: 1

Candidate Starts for Babyland_198:

(Start: 1 @103416 has 184 MA's), (5, 103521), (9, 103608), (10, 103614), (11, 103623), (12, 103632), (19, 103755), (22, 103803), (29, 103878), (31, 103908),

Gene: BackyardAgain_193 Start: 102117, Stop: 102764, Start Num: 1

Candidate Starts for BackyardAgain_193:

(Start: 1 @102117 has 184 MA's), (5, 102222), (9, 102309), (10, 102315), (11, 102324), (12, 102333), (19, 102456), (22, 102504), (29, 102579), (31, 102609),

Gene: BadAgartude_190 Start: 103221, Stop: 103868, Start Num: 1

Candidate Starts for BadAgartude_190:

(Start: 1 @103221 has 184 MA's), (5, 103326), (9, 103413), (10, 103419), (11, 103428), (12, 103437), (19, 103560), (22, 103608), (29, 103683), (31, 103713),

Gene: BananaFence_193 Start: 103357, Stop: 104004, Start Num: 1

Candidate Starts for BananaFence_193:

(Start: 1 @103357 has 184 MA's), (5, 103462), (9, 103549), (10, 103555), (11, 103564), (12, 103573), (19, 103696), (22, 103744), (29, 103819), (31, 103849),

Gene: Bangla1971_196 Start: 103128, Stop: 103775, Start Num: 1

Candidate Starts for Bangla1971_196:

(Start: 1 @103128 has 184 MA's), (5, 103233), (9, 103320), (10, 103326), (11, 103335), (12, 103344), (19, 103467), (22, 103515), (29, 103590), (31, 103620),

Gene: Basquiat_194 Start: 102943, Stop: 103590, Start Num: 1

Candidate Starts for Basquiat_194:

(Start: 1 @102943 has 184 MA's), (5, 103048), (9, 103135), (10, 103141), (11, 103150), (12, 103159), (19, 103282), (22, 103330), (29, 103405), (31, 103435),

Gene: BeanWater_187 Start: 102683, Stop: 103330, Start Num: 1

Candidate Starts for BeanWater_187:

(Start: 1 @102683 has 184 MA's), (5, 102788), (9, 102875), (10, 102881), (11, 102890), (12, 102899), (19, 103022), (22, 103070), (29, 103145), (31, 103175),

Gene: Belieber_190 Start: 102257, Stop: 102904, Start Num: 1

Candidate Starts for Belieber_190:

(Start: 1 @102257 has 184 MA's), (5, 102362), (9, 102449), (10, 102455), (11, 102464), (12, 102473), (19, 102596), (22, 102644), (29, 102719), (31, 102749),

Gene: Bezza_184 Start: 103195, Stop: 103842, Start Num: 1

Candidate Starts for Bezza_184:

(Start: 1 @103195 has 184 MA's), (5, 103300), (9, 103387), (10, 103393), (11, 103402), (12, 103411), (19, 103534), (22, 103582), (29, 103657), (31, 103687),

Gene: BigCity_204 Start: 106245, Stop: 106892, Start Num: 1

Candidate Starts for BigCity_204:

(Start: 1 @106245 has 184 MA's), (5, 106350), (9, 106437), (10, 106443), (11, 106452), (12, 106461), (19, 106584), (22, 106632), (29, 106707), (31, 106737),

Gene: Bigswole_200 Start: 106084, Stop: 106731, Start Num: 1

Candidate Starts for Bigswole_200:

(Start: 1 @106084 has 184 MA's), (5, 106189), (9, 106276), (10, 106282), (11, 106291), (12, 106300), (19, 106423), (22, 106471), (29, 106546), (31, 106576),

Gene: Bipolarisk_194 Start: 103651, Stop: 104298, Start Num: 1

Candidate Starts for Bipolarisk_194:

(Start: 1 @103651 has 184 MA's), (5, 103756), (9, 103843), (10, 103849), (11, 103858), (12, 103867), (19, 103990), (22, 104038), (29, 104113), (31, 104143),

Gene: Blackbrain_193 Start: 103545, Stop: 104192, Start Num: 1

Candidate Starts for Blackbrain_193:

(Start: 1 @103545 has 184 MA's), (5, 103650), (9, 103737), (10, 103743), (11, 103752), (12, 103761), (19, 103884), (22, 103932), (29, 104007), (31, 104037),

Gene: Blackdragon_190 Start: 102981, Stop: 103628, Start Num: 1

Candidate Starts for Blackdragon_190:

(Start: 1 @102981 has 184 MA's), (5, 103086), (9, 103173), (10, 103179), (11, 103188), (12, 103197), (19, 103320), (22, 103368), (29, 103443), (31, 103473),

Gene: Blubba_185 Start: 106741, Stop: 107388, Start Num: 1

Candidate Starts for Blubba_185:

(Start: 1 @106741 has 184 MA's), (5, 106846), (9, 106933), (10, 106939), (11, 106948), (12, 106957), (19, 107080), (22, 107128), (29, 107203), (31, 107233),

Gene: BobaPhatt_189 Start: 102142, Stop: 102789, Start Num: 1

Candidate Starts for BobaPhatt_189:

(Start: 1 @102142 has 184 MA's), (5, 102247), (9, 102334), (10, 102340), (11, 102349), (12, 102358), (19, 102481), (22, 102529), (29, 102604), (31, 102634),

Gene: Bonray_198 Start: 105053, Stop: 105700, Start Num: 1

Candidate Starts for Bonray_198:

(Start: 1 @105053 has 184 MA's), (5, 105158), (9, 105245), (10, 105251), (11, 105260), (12, 105269), (19, 105392), (22, 105440), (29, 105515), (31, 105545),

Gene: Bowman_194 Start: 104334, Stop: 104981, Start Num: 1

Candidate Starts for Bowman_194:

(Start: 1 @104334 has 184 MA's), (5, 104439), (9, 104526), (10, 104532), (11, 104541), (12, 104550), (19, 104673), (22, 104721), (29, 104796), (31, 104826),

Gene: Bread_191 Start: 103051, Stop: 103698, Start Num: 1

Candidate Starts for Bread_191:

(Start: 1 @103051 has 184 MA's), (5, 103156), (9, 103243), (10, 103249), (11, 103258), (12, 103267), (19, 103390), (22, 103438), (29, 103513), (31, 103543),

Gene: Breeniome_195 Start: 102679, Stop: 103326, Start Num: 1

Candidate Starts for Breeniome_195:

(Start: 1 @102679 has 184 MA's), (5, 102784), (9, 102871), (10, 102877), (11, 102886), (12, 102895), (19, 103018), (22, 103066), (29, 103141), (31, 103171),

Gene: Burrough_198 Start: 104995, Stop: 105642, Start Num: 1

Candidate Starts for Burrough_198:

(Start: 1 @104995 has 184 MA's), (5, 105100), (9, 105187), (10, 105193), (11, 105202), (12, 105211), (19, 105334), (22, 105382), (29, 105457), (31, 105487),

Gene: Bxz1_186 Start: 106194, Stop: 106841, Start Num: 1

Candidate Starts for Bxz1_186:

(Start: 1 @106194 has 184 MA's), (5, 106299), (9, 106386), (10, 106392), (11, 106401), (12, 106410), (19, 106533), (22, 106581), (29, 106656), (31, 106686),

Gene: Cactojaque_192 Start: 102963, Stop: 103610, Start Num: 1

Candidate Starts for Cactojaque_192:

(Start: 1 @102963 has 184 MA's), (5, 103068), (9, 103155), (10, 103161), (11, 103170), (12, 103179), (19, 103302), (22, 103350), (29, 103425), (31, 103455),

Gene: Cali_189 Start: 104433, Stop: 105080, Start Num: 1

Candidate Starts for Cali_189:

(Start: 1 @104433 has 184 MA's), (5, 104538), (9, 104625), (10, 104631), (11, 104640), (12, 104649), (19, 104772), (22, 104820), (29, 104895), (31, 104925),

Gene: Cane17_187 Start: 107150, Stop: 107797, Start Num: 1

Candidate Starts for Cane17_187:

(Start: 1 @107150 has 184 MA's), (5, 107255), (9, 107342), (10, 107348), (11, 107357), (12, 107366), (19, 107489), (22, 107537), (29, 107612), (31, 107642),

Gene: Capablanca_200 Start: 105648, Stop: 106295, Start Num: 1

Candidate Starts for Capablanca_200:

(Start: 1 @105648 has 184 MA's), (5, 105753), (9, 105840), (10, 105846), (11, 105855), (12, 105864), (19, 105987), (22, 106035), (29, 106110), (31, 106140),

Gene: Caravan_186 Start: 103456, Stop: 104103, Start Num: 1

Candidate Starts for Caravan_186:

(Start: 1 @103456 has 184 MA's), (5, 103561), (9, 103648), (10, 103654), (11, 103663), (12, 103672), (19, 103795), (22, 103843), (29, 103918), (31, 103948),

Gene: Catera_190 Start: 102643, Stop: 103290, Start Num: 1

Candidate Starts for Catera_190:

(Start: 1 @102643 has 184 MA's), (5, 102748), (9, 102835), (10, 102841), (11, 102850), (12, 102859), (19, 102982), (22, 103030), (29, 103105), (31, 103135),

Gene: Chargie21_194 Start: 102943, Stop: 103590, Start Num: 1

Candidate Starts for Chargie21_194:

(Start: 1 @102943 has 184 MA's), (5, 103048), (9, 103135), (10, 103141), (11, 103150), (12, 103159), (19, 103282), (22, 103330), (29, 103405), (31, 103435),

Gene: CharlieB_189 Start: 102885, Stop: 103532, Start Num: 1

Candidate Starts for CharlieB_189:

(Start: 1 @102885 has 184 MA's), (5, 102990), (9, 103077), (10, 103083), (11, 103092), (12, 103101), (19, 103224), (22, 103272), (29, 103347), (31, 103377),

Gene: ChaylaJr_194 Start: 103371, Stop: 104018, Start Num: 1

Candidate Starts for ChaylaJr_194:

(Start: 1 @103371 has 184 MA's), (5, 103476), (9, 103563), (10, 103569), (11, 103578), (12, 103587), (19, 103710), (22, 103758), (29, 103833), (31, 103863),

Gene: CherryTomatoes_144 Start: 98661, Stop: 99224, Start Num: 1

Candidate Starts for CherryTomatoes_144:

(Start: 1 @98661 has 184 MA's), (3, 98685), (10, 98835), (13, 98871), (18, 98955), (19, 98958), (22, 98994), (24, 99006), (26, 99024), (28, 99057), (30, 99093), (33, 99147),

Gene: ChickenPhender_193 Start: 103090, Stop: 103737, Start Num: 1

Candidate Starts for ChickenPhender_193:

(Start: 1 @103090 has 184 MA's), (5, 103195), (9, 103282), (10, 103288), (11, 103297), (12, 103306), (19, 103429), (22, 103477), (29, 103552), (31, 103582),

Gene: Chomp_195 Start: 103928, Stop: 104575, Start Num: 1

Candidate Starts for Chomp_195:

(Start: 1 @103928 has 184 MA's), (5, 104033), (9, 104120), (10, 104126), (11, 104135), (12, 104144), (19, 104267), (22, 104315), (29, 104390), (31, 104420),

Gene: CindyLou_197 Start: 104671, Stop: 105318, Start Num: 1

Candidate Starts for CindyLou_197:

(Start: 1 @104671 has 184 MA's), (5, 104776), (9, 104863), (10, 104869), (11, 104878), (12, 104887), (19, 105010), (22, 105058), (29, 105133), (31, 105163),

Gene: Cleatunium_189 Start: 102880, Stop: 103527, Start Num: 1

Candidate Starts for Cleatunium_189:

(Start: 1 @102880 has 184 MA's), (5, 102985), (9, 103072), (10, 103078), (11, 103087), (12, 103096), (19, 103219), (22, 103267), (29, 103342), (31, 103372),

Gene: Colt_187 Start: 106381, Stop: 107028, Start Num: 1

Candidate Starts for Colt_187:

(Start: 1 @106381 has 184 MA's), (5, 106486), (9, 106573), (10, 106579), (11, 106588), (12, 106597), (19, 106720), (22, 106768), (29, 106843), (31, 106873),

Gene: Concombres_200 Start: 105776, Stop: 106423, Start Num: 1

Candidate Starts for Concombres_200:

(Start: 1 @105776 has 184 MA's), (5, 105881), (9, 105968), (10, 105974), (11, 105983), (12, 105992), (19, 106115), (22, 106163), (29, 106238), (31, 106268),

Gene: DTDevon_198 Start: 105160, Stop: 105807, Start Num: 1

Candidate Starts for DTDevon_198:

(Start: 1 @105160 has 184 MA's), (5, 105265), (9, 105352), (10, 105358), (11, 105367), (12, 105376), (19, 105499), (22, 105547), (29, 105622), (31, 105652),

Gene: Daffodil_200 Start: 103951, Stop: 104598, Start Num: 1

Candidate Starts for Daffodil_200:

(Start: 1 @103951 has 184 MA's), (5, 104056), (9, 104143), (10, 104149), (11, 104158), (12, 104167), (19, 104290), (22, 104338), (29, 104413), (31, 104443),

Gene: Dandelion_203 Start: 107584, Stop: 108231, Start Num: 1

Candidate Starts for Dandelion_203:

(Start: 1 @107584 has 184 MA's), (5, 107689), (9, 107776), (10, 107782), (11, 107791), (12, 107800), (19, 107923), (22, 107971), (29, 108046), (31, 108076),

Gene: Darko_195 Start: 103361, Stop: 104008, Start Num: 1

Candidate Starts for Darko_195:

(Start: 1 @103361 has 184 MA's), (5, 103466), (9, 103553), (10, 103559), (11, 103568), (12, 103577), (19, 103700), (22, 103748), (29, 103823), (31, 103853),

Gene: DeejaClivia_184 Start: 102320, Stop: 102967, Start Num: 1

Candidate Starts for DeejaClivia_184:

(Start: 1 @102320 has 184 MA's), (5, 102425), (9, 102512), (10, 102518), (11, 102527), (12, 102536), (19, 102659), (22, 102707), (29, 102782), (31, 102812),

Gene: Delilah_194 Start: 104069, Stop: 104716, Start Num: 1

Candidate Starts for Delilah_194:

(Start: 1 @104069 has 184 MA's), (5, 104174), (9, 104261), (10, 104267), (11, 104276), (12, 104285), (19, 104408), (22, 104456), (29, 104531), (31, 104561),

Gene: Delylah_197 Start: 104049, Stop: 104696, Start Num: 1

Candidate Starts for Delylah_197:

(Start: 1 @104049 has 184 MA's), (5, 104154), (9, 104241), (10, 104247), (11, 104256), (12, 104265), (19, 104388), (22, 104436), (29, 104511), (31, 104541),

Gene: Demodog_201 Start: 105786, Stop: 106433, Start Num: 1

Candidate Starts for Demodog_201:

(Start: 1 @105786 has 184 MA's), (5, 105891), (9, 105978), (10, 105984), (11, 105993), (12, 106002), (19, 106125), (22, 106173), (29, 106248), (31, 106278),

Gene: Derek_193 Start: 103688, Stop: 104335, Start Num: 1

Candidate Starts for Derek_193:

(Start: 1 @103688 has 184 MA's), (5, 103793), (9, 103880), (10, 103886), (11, 103895), (12, 103904), (19, 104027), (22, 104075), (29, 104150), (31, 104180),

Gene: Dessert_193 Start: 102205, Stop: 102852, Start Num: 1

Candidate Starts for Dessert_193:

(Start: 1 @102205 has 184 MA's), (5, 102310), (9, 102397), (10, 102403), (11, 102412), (12, 102421), (19, 102544), (22, 102592), (29, 102667), (31, 102697),

Gene: Dietrick_186 Start: 102673, Stop: 103320, Start Num: 1

Candidate Starts for Dietrick_186:

(Start: 1 @102673 has 184 MA's), (5, 102778), (9, 102865), (10, 102871), (11, 102880), (12, 102889), (19, 103012), (22, 103060), (29, 103135), (31, 103165),

Gene: DirtMonster_189 Start: 103430, Stop: 104077, Start Num: 1

Candidate Starts for DirtMonster_189:

(Start: 1 @103430 has 184 MA's), (5, 103535), (9, 103622), (10, 103628), (11, 103637), (12, 103646), (19, 103769), (22, 103817), (29, 103892), (31, 103922),

Gene: Domi_190 Start: 103715, Stop: 104362, Start Num: 1

Candidate Starts for Domi_190:

(Start: 1 @103715 has 184 MA's), (5, 103820), (9, 103907), (10, 103913), (11, 103922), (12, 103931), (19, 104054), (22, 104102), (29, 104177), (31, 104207),

Gene: DrPhinkDaddy_193 Start: 104729, Stop: 105376, Start Num: 1

Candidate Starts for DrPhinkDaddy_193:

(Start: 1 @104729 has 184 MA's), (5, 104834), (9, 104921), (10, 104927), (11, 104936), (12, 104945), (19, 105068), (22, 105116), (29, 105191), (31, 105221),

Gene: Drazdys_194 Start: 103805, Stop: 104452, Start Num: 1

Candidate Starts for Drazdys_194:

(Start: 1 @103805 has 184 MA's), (5, 103910), (9, 103997), (10, 104003), (11, 104012), (12, 104021), (19, 104144), (22, 104192), (29, 104267), (31, 104297),

Gene: Duckfeet_190 Start: 103331, Stop: 103978, Start Num: 1

Candidate Starts for Duckfeet_190:

(Start: 1 @103331 has 184 MA's), (5, 103436), (9, 103523), (10, 103529), (11, 103538), (12, 103547), (19, 103670), (22, 103718), (29, 103793), (31, 103823),

Gene: ET08_183 Start: 102919, Stop: 103566, Start Num: 1

Candidate Starts for ET08_183:

(Start: 1 @102919 has 184 MA's), (5, 103024), (9, 103111), (10, 103117), (11, 103126), (12, 103135), (19, 103258), (22, 103306), (29, 103381), (31, 103411),

Gene: EasyJones_200 Start: 104186, Stop: 104833, Start Num: 1

Candidate Starts for EasyJones_200:

(Start: 1 @104186 has 184 MA's), (5, 104291), (9, 104378), (10, 104384), (11, 104393), (12, 104402), (19, 104525), (22, 104573), (29, 104648), (31, 104678),

Gene: EggyFarm_204 Start: 106246, Stop: 106893, Start Num: 1

Candidate Starts for EggyFarm_204:

(Start: 1 @106246 has 184 MA's), (5, 106351), (9, 106438), (10, 106444), (11, 106453), (12, 106462), (19, 106585), (22, 106633), (29, 106708), (31, 106738),

Gene: EmToTheThree_197 Start: 104585, Stop: 105232, Start Num: 1

Candidate Starts for EmToTheThree_197:

(Start: 1 @104585 has 184 MA's), (5, 104690), (9, 104777), (10, 104783), (11, 104792), (12, 104801), (19, 104924), (22, 104972), (29, 105047), (31, 105077),

Gene: EmmaElysia_199 Start: 104295, Stop: 104942, Start Num: 1

Candidate Starts for EmmaElysia_199:

(Start: 1 @104295 has 184 MA's), (5, 104400), (9, 104487), (10, 104493), (11, 104502), (12, 104511), (19, 104634), (22, 104682), (29, 104757), (31, 104787),

Gene: Erdmann_197 Start: 104060, Stop: 104707, Start Num: 1

Candidate Starts for Erdmann_197:

(Start: 1 @104060 has 184 MA's), (5, 104165), (9, 104252), (10, 104258), (11, 104267), (12, 104276), (19, 104399), (22, 104447), (29, 104522), (31, 104552),

Gene: ErnieJ_189 Start: 102365, Stop: 103012, Start Num: 1

Candidate Starts for ErnieJ_189:

(Start: 1 @102365 has 184 MA's), (5, 102470), (9, 102557), (10, 102563), (11, 102572), (12, 102581), (19, 102704), (22, 102752), (29, 102827), (31, 102857),

Gene: Essence_193 Start: 103017, Stop: 103664, Start Num: 1

Candidate Starts for Essence_193:

(Start: 1 @103017 has 184 MA's), (5, 103122), (9, 103209), (10, 103215), (11, 103224), (12, 103233), (19, 103356), (22, 103404), (29, 103479), (31, 103509),

Gene: Ewok_195 Start: 103979, Stop: 104626, Start Num: 1

Candidate Starts for Ewok_195:

(Start: 1 @103979 has 184 MA's), (5, 104084), (9, 104171), (10, 104177), (11, 104186), (12, 104195), (19, 104318), (22, 104366), (29, 104441), (31, 104471),

Gene: Fixie_195 Start: 103314, Stop: 103961, Start Num: 1

Candidate Starts for Fixie_195:

(Start: 1 @103314 has 184 MA's), (5, 103419), (9, 103506), (10, 103512), (11, 103521), (12, 103530), (19, 103653), (22, 103701), (29, 103776), (31, 103806),

Gene: Flabslab_192 Start: 102507, Stop: 103154, Start Num: 1

Candidate Starts for Flabslab_192:

(Start: 1 @102507 has 184 MA's), (5, 102612), (9, 102699), (10, 102705), (11, 102714), (12, 102723), (19, 102846), (22, 102894), (29, 102969), (31, 102999),

Gene: Fludd_197 Start: 103898, Stop: 104545, Start Num: 1

Candidate Starts for Fludd_197:

(Start: 1 @103898 has 184 MA's), (5, 104003), (9, 104090), (10, 104096), (11, 104105), (12, 104114), (19, 104237), (22, 104285), (29, 104360), (31, 104390),

Gene: Fongie_197 Start: 104176, Stop: 104823, Start Num: 1

Candidate Starts for Fongie_197:

(Start: 1 @104176 has 184 MA's), (5, 104281), (9, 104368), (10, 104374), (11, 104383), (12, 104392), (19, 104515), (22, 104563), (29, 104638), (31, 104668),

Gene: FoxtrotP1_194 Start: 104659, Stop: 105306, Start Num: 1

Candidate Starts for FoxtrotP1_194:

(Start: 1 @104659 has 184 MA's), (5, 104764), (9, 104851), (10, 104857), (11, 104866), (12, 104875), (19, 104998), (22, 105046), (29, 105121), (31, 105151),

Gene: FrayBell_199 Start: 103680, Stop: 104327, Start Num: 1

Candidate Starts for FrayBell_199:

(Start: 1 @103680 has 184 MA's), (5, 103785), (9, 103872), (10, 103878), (11, 103887), (12, 103896), (19, 104019), (22, 104067), (29, 104142), (31, 104172),

Gene: FudgeTart_191 Start: 103126, Stop: 103773, Start Num: 1

Candidate Starts for FudgeTart_191:

(Start: 1 @103126 has 184 MA's), (5, 103231), (9, 103318), (10, 103324), (11, 103333), (12, 103342), (19, 103465), (22, 103513), (29, 103588), (31, 103618),

Gene: Gabriel_199 Start: 102755, Stop: 103402, Start Num: 1

Candidate Starts for Gabriel_199:

(Start: 1 @102755 has 184 MA's), (5, 102860), (9, 102947), (10, 102953), (11, 102962), (12, 102971), (19, 103094), (22, 103142), (29, 103217), (31, 103247),

Gene: Gamgam_196 Start: 102629, Stop: 103276, Start Num: 1

Candidate Starts for Gamgam_196:

(Start: 1 @102629 has 184 MA's), (5, 102734), (9, 102821), (10, 102827), (11, 102836), (12, 102845), (19, 102968), (22, 103016), (29, 103091), (31, 103121),

Gene: Ghost_196 Start: 103342, Stop: 103989, Start Num: 1

Candidate Starts for Ghost_196:

(Start: 1 @103342 has 184 MA's), (5, 103447), (9, 103534), (10, 103540), (11, 103549), (12, 103558), (19, 103681), (22, 103729), (29, 103804), (31, 103834),

Gene: Gizmo_201 Start: 105977, Stop: 106624, Start Num: 1

Candidate Starts for Gizmo_201:

(Start: 1 @105977 has 184 MA's), (5, 106082), (9, 106169), (10, 106175), (11, 106184), (12, 106193), (19, 106316), (22, 106364), (29, 106439), (31, 106469),

Gene: GlutenPhree_196 Start: 102640, Stop: 103287, Start Num: 1

Candidate Starts for GlutenPhree_196:

(Start: 1 @102640 has 184 MA's), (5, 102745), (9, 102832), (10, 102838), (11, 102847), (12, 102856), (19, 102979), (22, 103027), (29, 103102), (31, 103132),

Gene: Grasshills_203 Start: 106245, Stop: 106892, Start Num: 1

Candidate Starts for Grasshills_203:

(Start: 1 @106245 has 184 MA's), (5, 106350), (9, 106437), (10, 106443), (11, 106452), (12, 106461), (19, 106584), (22, 106632), (29, 106707), (31, 106737),

Gene: Grungle_181 Start: 101379, Stop: 102026, Start Num: 1

Candidate Starts for Grungle_181:

(Start: 1 @101379 has 184 MA's), (5, 101484), (9, 101571), (10, 101577), (11, 101586), (12, 101595), (19, 101718), (22, 101766), (29, 101841), (31, 101871),

Gene: Guwapp_191 Start: 101867, Stop: 102514, Start Num: 1

Candidate Starts for Guwapp_191:

(Start: 1 @101867 has 184 MA's), (5, 101972), (9, 102059), (10, 102065), (11, 102074), (12, 102083), (19, 102206), (22, 102254), (29, 102329), (31, 102359),

Gene: Halldule_188 Start: 101775, Stop: 102422, Start Num: 1

Candidate Starts for Halldule_188:

(Start: 1 @101775 has 184 MA's), (5, 101880), (9, 101967), (10, 101973), (11, 101982), (12, 101991), (19, 102114), (22, 102162), (29, 102237), (31, 102267),

Gene: HyRo_184 Start: 103376, Stop: 104023, Start Num: 1

Candidate Starts for HyRo_184:

(Start: 1 @103376 has 184 MA's), (5, 103481), (9, 103568), (10, 103574), (11, 103583), (12, 103592), (19, 103715), (22, 103763), (29, 103838), (31, 103868),

Gene: I3_205 Start: 105492, Stop: 106139, Start Num: 1

Candidate Starts for I3_205:

(Start: 1 @105492 has 184 MA's), (5, 105597), (9, 105684), (10, 105690), (11, 105699), (12, 105708), (19, 105831), (22, 105879), (29, 105954), (31, 105984),

Gene: IkeLoa_188 Start: 102774, Stop: 103421, Start Num: 1

Candidate Starts for IkeLoa_188:

(Start: 1 @102774 has 184 MA's), (5, 102879), (9, 102966), (10, 102972), (11, 102981), (12, 102990), (19, 103113), (22, 103161), (29, 103236), (31, 103266),

Gene: InigoMontoya_198 Start: 103303, Stop: 103950, Start Num: 1

Candidate Starts for InigoMontoya_198:

(Start: 1 @103303 has 184 MA's), (5, 103408), (9, 103495), (10, 103501), (11, 103510), (12, 103519), (19, 103642), (22, 103690), (29, 103765), (31, 103795),

Gene: InterFolia_199 Start: 105486, Stop: 106133, Start Num: 1

Candidate Starts for InterFolia_199:

(Start: 1 @105486 has 184 MA's), (5, 105591), (9, 105678), (10, 105684), (11, 105693), (12, 105702), (19, 105825), (22, 105873), (29, 105948), (31, 105978),

Gene: Iota_190 Start: 102973, Stop: 103620, Start Num: 1

Candidate Starts for Iota_190:

(Start: 1 @102973 has 184 MA's), (5, 103078), (9, 103165), (10, 103171), (11, 103180), (12, 103189), (19, 103312), (22, 103360), (29, 103435), (31, 103465),

Gene: Issimir_189 Start: 103250, Stop: 103897, Start Num: 1

Candidate Starts for Issimir_189:

(Start: 1 @103250 has 184 MA's), (5, 103355), (9, 103442), (10, 103448), (11, 103457), (12, 103466), (19, 103589), (22, 103637), (29, 103712), (31, 103742),

Gene: Izajani_194 Start: 104119, Stop: 104766, Start Num: 1

Candidate Starts for Izajani_194:

(Start: 1 @104119 has 184 MA's), (5, 104224), (9, 104311), (10, 104317), (11, 104326), (12, 104335), (19, 104458), (22, 104506), (29, 104581), (31, 104611),

Gene: JPickles_192 Start: 101771, Stop: 102418, Start Num: 1

Candidate Starts for JPickles_192:

(Start: 1 @101771 has 184 MA's), (5, 101876), (9, 101963), (10, 101969), (11, 101978), (12, 101987), (19, 102110), (22, 102158), (29, 102233), (31, 102263),

Gene: Janiyra_200 Start: 104320, Stop: 104967, Start Num: 1

Candidate Starts for Janiyra_200:

(Start: 1 @104320 has 184 MA's), (5, 104425), (9, 104512), (10, 104518), (11, 104527), (12, 104536), (19, 104659), (22, 104707), (29, 104782), (31, 104812),

Gene: JayJay_198 Start: 104534, Stop: 105181, Start Num: 1

Candidate Starts for JayJay_198:

(Start: 1 @104534 has 184 MA's), (5, 104639), (9, 104726), (10, 104732), (11, 104741), (12, 104750), (19, 104873), (22, 104921), (29, 104996), (31, 105026),

Gene: Jaygup_192 Start: 102832, Stop: 103479, Start Num: 1

Candidate Starts for Jaygup_192:

(Start: 1 @102832 has 184 MA's), (5, 102937), (9, 103024), (10, 103030), (11, 103039), (12, 103048), (19, 103171), (22, 103219), (29, 103294), (31, 103324),

Gene: Jedediah_196 Start: 103885, Stop: 104532, Start Num: 1

Candidate Starts for Jedediah_196:

(Start: 1 @103885 has 184 MA's), (5, 103990), (9, 104077), (10, 104083), (11, 104092), (12, 104101), (19, 104224), (22, 104272), (29, 104347), (31, 104377),

Gene: Jemmno_195 Start: 102714, Stop: 103361, Start Num: 1

Candidate Starts for Jemmno_195:

(Start: 1 @102714 has 184 MA's), (5, 102819), (9, 102906), (10, 102912), (11, 102921), (12, 102930), (19, 103053), (22, 103101), (29, 103176), (31, 103206),

Gene: Jessibeth14_196 Start: 104728, Stop: 105375, Start Num: 1

Candidate Starts for Jessibeth14_196:

(Start: 1 @104728 has 184 MA's), (5, 104833), (9, 104920), (10, 104926), (11, 104935), (12, 104944), (19, 105067), (22, 105115), (29, 105190), (31, 105220),

Gene: Jezreel_193 Start: 103797, Stop: 104444, Start Num: 1

Candidate Starts for Jezreel_193:

(Start: 1 @103797 has 184 MA's), (5, 103902), (9, 103989), (10, 103995), (11, 104004), (12, 104013), (19, 104136), (22, 104184), (29, 104259), (31, 104289),

Gene: JigglyPuff_202 Start: 105805, Stop: 106452, Start Num: 1

Candidate Starts for JigglyPuff_202:

(Start: 1 @105805 has 184 MA's), (5, 105910), (9, 105997), (10, 106003), (11, 106012), (12, 106021), (19, 106144), (22, 106192), (29, 106267), (31, 106297),

Gene: JulietS_187 Start: 101003, Stop: 101650, Start Num: 1

Candidate Starts for JulietS_187:

(Start: 1 @101003 has 184 MA's), (5, 101108), (9, 101195), (10, 101201), (11, 101210), (12, 101219), (19, 101342), (22, 101390), (29, 101465), (31, 101495),

Gene: JustHall_191 Start: 103227, Stop: 103874, Start Num: 1

Candidate Starts for JustHall_191:

(Start: 1 @103227 has 184 MA's), (5, 103332), (9, 103419), (10, 103425), (11, 103434), (12, 103443), (19, 103566), (22, 103614), (29, 103689), (31, 103719),

Gene: Kamryn_195 Start: 104548, Stop: 105195, Start Num: 1

Candidate Starts for Kamryn_195:

(Start: 1 @104548 has 184 MA's), (5, 104653), (9, 104740), (10, 104746), (11, 104755), (12, 104764), (19, 104887), (22, 104935), (29, 105010), (31, 105040),

Gene: Kboogie_200 Start: 103885, Stop: 104532, Start Num: 1

Candidate Starts for Kboogie_200:

(Start: 1 @103885 has 184 MA's), (5, 103990), (9, 104077), (10, 104083), (11, 104092), (12, 104101), (19, 104224), (22, 104272), (29, 104347), (31, 104377),

Gene: Khaleesi_195 Start: 104195, Stop: 104842, Start Num: 1

Candidate Starts for Khaleesi_195:

(Start: 1 @104195 has 184 MA's), (5, 104300), (9, 104387), (10, 104393), (11, 104402), (12, 104411), (19, 104534), (22, 104582), (29, 104657), (31, 104687),

Gene: Koguma_194 Start: 102752, Stop: 103399, Start Num: 1

Candidate Starts for Koguma_194:

(Start: 1 @102752 has 184 MA's), (5, 102857), (9, 102944), (10, 102950), (11, 102959), (12, 102968), (19, 103091), (22, 103139), (29, 103214), (31, 103244),

Gene: LRRHood_188 Start: 103097, Stop: 103744, Start Num: 1

Candidate Starts for LRRHood_188:

(Start: 1 @103097 has 184 MA's), (5, 103202), (9, 103289), (10, 103295), (11, 103304), (12, 103313), (19, 103436), (22, 103484), (29, 103559), (31, 103589),

Gene: Labradorite_194 Start: 102324, Stop: 102971, Start Num: 1

Candidate Starts for Labradorite_194:

(Start: 1 @102324 has 184 MA's), (5, 102429), (9, 102516), (10, 102522), (11, 102531), (12, 102540), (19, 102663), (22, 102711), (29, 102786), (31, 102816),

Gene: Latch_195 Start: 102639, Stop: 103286, Start Num: 1

Candidate Starts for Latch_195:

(Start: 1 @102639 has 184 MA's), (5, 102744), (9, 102831), (10, 102837), (11, 102846), (12, 102855), (19, 102978), (22, 103026), (29, 103101), (31, 103131),

Gene: Lee7_196 Start: 105575, Stop: 106222, Start Num: 1

Candidate Starts for Lee7_196:

(Start: 1 @105575 has 184 MA's), (5, 105680), (9, 105767), (10, 105773), (11, 105782), (12, 105791), (19, 105914), (22, 105962), (29, 106037), (31, 106067),

Gene: Lethe_196 Start: 104838, Stop: 105485, Start Num: 1

Candidate Starts for Lethe_196:

(Start: 1 @104838 has 184 MA's), (5, 104943), (9, 105030), (10, 105036), (11, 105045), (12, 105054), (19, 105177), (22, 105225), (29, 105300), (31, 105330),

Gene: LifeSavor_195 Start: 103647, Stop: 104294, Start Num: 1

Candidate Starts for LifeSavor_195:

(Start: 1 @103647 has 184 MA's), (5, 103752), (9, 103839), (10, 103845), (11, 103854), (12, 103863), (19, 103986), (22, 104034), (29, 104109), (31, 104139),

Gene: LinStu_194 Start: 103693, Stop: 104340, Start Num: 1

Candidate Starts for LinStu_194:

(Start: 1 @103693 has 184 MA's), (5, 103798), (9, 103885), (10, 103891), (11, 103900), (12, 103909), (19, 104032), (22, 104080), (29, 104155), (31, 104185),

Gene: Littleton_199 Start: 104359, Stop: 105006, Start Num: 1

Candidate Starts for Littleton_199:

(Start: 1 @104359 has 184 MA's), (5, 104464), (9, 104551), (10, 104557), (11, 104566), (12, 104575), (19, 104698), (22, 104746), (29, 104821), (31, 104851),

Gene: Loanshark_193 Start: 103510, Stop: 104157, Start Num: 1

Candidate Starts for Loanshark_193:

(Start: 1 @103510 has 184 MA's), (5, 103615), (9, 103702), (10, 103708), (11, 103717), (12, 103726), (19, 103849), (22, 103897), (29, 103972), (31, 104002),

Gene: LolaVinca_194 Start: 104916, Stop: 105563, Start Num: 1

Candidate Starts for LolaVinca_194:

(Start: 1 @104916 has 184 MA's), (5, 105021), (9, 105108), (10, 105114), (11, 105123), (12, 105132), (19, 105255), (22, 105303), (29, 105378), (31, 105408),

Gene: LookingGlass_195 Start: 103876, Stop: 104523, Start Num: 1

Candidate Starts for LookingGlass_195:

(Start: 1 @103876 has 184 MA's), (5, 103981), (9, 104068), (10, 104074), (11, 104083), (12, 104092), (19, 104215), (22, 104263), (29, 104338), (31, 104368),

Gene: LordLeafolot_197 Start: 104528, Stop: 105175, Start Num: 1

Candidate Starts for LordLeafolot_197:

(Start: 1 @104528 has 184 MA's), (5, 104633), (9, 104720), (10, 104726), (11, 104735), (12, 104744), (19, 104867), (22, 104915), (29, 104990), (31, 105020),

Gene: Lukilu_186 Start: 104107, Stop: 104754, Start Num: 1

Candidate Starts for Lukilu_186:

(Start: 1 @104107 has 184 MA's), (5, 104212), (9, 104299), (10, 104305), (11, 104314), (12, 104323), (19, 104446), (22, 104494), (29, 104569), (31, 104599),

Gene: Lunareta_195 Start: 105529, Stop: 106176, Start Num: 1

Candidate Starts for Lunareta_195:

(Start: 1 @105529 has 184 MA's), (5, 105634), (9, 105721), (10, 105727), (11, 105736), (12, 105745), (19, 105868), (22, 105916), (29, 105991), (31, 106021),

Gene: Maby2021_195 Start: 104639, Stop: 105286, Start Num: 1

Candidate Starts for Maby2021_195:

(Start: 1 @104639 has 184 MA's), (5, 104744), (9, 104831), (10, 104837), (11, 104846), (12, 104855), (19, 104978), (22, 105026), (29, 105101), (31, 105131),

Gene: Mangeria_196 Start: 104432, Stop: 105079, Start Num: 1

Candidate Starts for Mangeria_196:

(Start: 1 @104432 has 184 MA's), (5, 104537), (9, 104624), (10, 104630), (11, 104639), (12, 104648), (19, 104771), (22, 104819), (29, 104894), (31, 104924),

Gene: Matsumoto_195 Start: 103873, Stop: 104520, Start Num: 1

Candidate Starts for Matsumoto_195:

(Start: 1 @103873 has 184 MA's), (5, 103978), (9, 104065), (10, 104071), (11, 104080), (12, 104089), (19, 104212), (22, 104260), (29, 104335), (31, 104365),

Gene: Maturis_194 Start: 104385, Stop: 105032, Start Num: 1

Candidate Starts for Maturis_194:

(Start: 1 @104385 has 184 MA's), (5, 104490), (9, 104577), (10, 104583), (11, 104592), (12, 104601), (19, 104724), (22, 104772), (29, 104847), (31, 104877),

Gene: McGee_196 Start: 103067, Stop: 103714, Start Num: 1

Candidate Starts for McGee_196:

(Start: 1 @103067 has 184 MA's), (5, 103172), (9, 103259), (10, 103265), (11, 103274), (12, 103283), (19, 103406), (22, 103454), (29, 103529), (31, 103559),

Gene: McWolfish_193 Start: 103406, Stop: 104053, Start Num: 1

Candidate Starts for McWolfish_193:

(Start: 1 @103406 has 184 MA's), (5, 103511), (9, 103598), (10, 103604), (11, 103613), (12, 103622), (19, 103745), (22, 103793), (29, 103868), (31, 103898),

Gene: Megamind_193 Start: 103697, Stop: 104344, Start Num: 1

Candidate Starts for Megamind_193:

(Start: 1 @103697 has 184 MA's), (5, 103802), (9, 103889), (10, 103895), (11, 103904), (12, 103913), (19, 104036), (22, 104084), (29, 104159), (31, 104189),

Gene: Melpomini_190 Start: 102173, Stop: 102820, Start Num: 1

Candidate Starts for Melpomini_190:

(Start: 1 @102173 has 184 MA's), (5, 102278), (9, 102365), (10, 102371), (11, 102380), (12, 102389), (19, 102512), (22, 102560), (29, 102635), (31, 102665),

Gene: MikeLiesIn_197 Start: 104833, Stop: 105480, Start Num: 1

Candidate Starts for MikeLiesIn_197:

(Start: 1 @104833 has 184 MA's), (5, 104938), (9, 105025), (10, 105031), (11, 105040), (12, 105049), (19, 105172), (22, 105220), (29, 105295), (31, 105325),

Gene: Mikro_191 Start: 105073, Stop: 105720, Start Num: 1

Candidate Starts for Mikro_191:

(Start: 1 @105073 has 184 MA's), (5, 105178), (9, 105265), (10, 105271), (11, 105280), (12, 105289), (19, 105412), (22, 105460), (29, 105535), (31, 105565),

Gene: MoMoMixon_193 Start: 103560, Stop: 104207, Start Num: 1

Candidate Starts for MoMoMixon_193:

(Start: 1 @103560 has 184 MA's), (5, 103665), (9, 103752), (10, 103758), (11, 103767), (12, 103776), (19, 103899), (22, 103947), (29, 104022), (31, 104052),

Gene: Moby_192 Start: 102847, Stop: 103494, Start Num: 1

Candidate Starts for Moby_192:

(Start: 1 @102847 has 184 MA's), (5, 102952), (9, 103039), (10, 103045), (11, 103054), (12, 103063), (19, 103186), (22, 103234), (29, 103309), (31, 103339),

Gene: Moiqah_191 Start: 102824, Stop: 103471, Start Num: 1

Candidate Starts for Moiqah_191:

(Start: 1 @102824 has 184 MA's), (5, 102929), (9, 103016), (10, 103022), (11, 103031), (12, 103040), (19, 103163), (22, 103211), (29, 103286), (31, 103316),

Gene: Momo_196 Start: 102639, Stop: 103286, Start Num: 1

Candidate Starts for Momo_196:

(Start: 1 @102639 has 184 MA's), (5, 102744), (9, 102831), (10, 102837), (11, 102846), (12, 102855), (19, 102978), (22, 103026), (29, 103101), (31, 103131),

Gene: Montpel_195 Start: 105527, Stop: 106174, Start Num: 1

Candidate Starts for Montpel_195:

(Start: 1 @105527 has 184 MA's), (5, 105632), (9, 105719), (10, 105725), (11, 105734), (12, 105743), (19, 105866), (22, 105914), (29, 105989), (31, 106019),

Gene: Morizzled23_194 Start: 102797, Stop: 103444, Start Num: 1

Candidate Starts for Morizzled23_194:

(Start: 1 @102797 has 184 MA's), (5, 102902), (9, 102989), (10, 102995), (11, 103004), (12, 103013), (19, 103136), (22, 103184), (29, 103259), (31, 103289),

Gene: Naija_196 Start: 103342, Stop: 103989, Start Num: 1

Candidate Starts for Naija_196:

(Start: 1 @103342 has 184 MA's), (5, 103447), (9, 103534), (10, 103540), (11, 103549), (12, 103558), (19, 103681), (22, 103729), (29, 103804), (31, 103834),

Gene: Napoleon13_194 Start: 103162, Stop: 103809, Start Num: 1

Candidate Starts for Napoleon13_194:

(Start: 1 @103162 has 184 MA's), (5, 103267), (9, 103354), (10, 103360), (11, 103369), (12, 103378), (19, 103501), (22, 103549), (29, 103624), (31, 103654),

Gene: Nappy_196 Start: 105041, Stop: 105688, Start Num: 1

Candidate Starts for Nappy_196:

(Start: 1 @105041 has 184 MA's), (5, 105146), (9, 105233), (10, 105239), (11, 105248), (12, 105257), (19, 105380), (22, 105428), (29, 105503), (31, 105533),

Gene: Naval22_203 Start: 105428, Stop: 106075, Start Num: 1

Candidate Starts for Naval22_203:

(Start: 1 @105428 has 184 MA's), (5, 105533), (9, 105620), (10, 105626), (11, 105635), (12, 105644), (19, 105767), (22, 105815), (29, 105890), (31, 105920),

Gene: NedWong_195 Start: 104084, Stop: 104731, Start Num: 1

Candidate Starts for NedWong_195:

(Start: 1 @104084 has 184 MA's), (5, 104189), (9, 104276), (10, 104282), (11, 104291), (12, 104300), (19, 104423), (22, 104471), (29, 104546), (31, 104576),

Gene: Ngannou_192 Start: 101621, Stop: 102268, Start Num: 1
Candidate Starts for Ngannou_192:

(Start: 1 @101621 has 184 MA's), (5, 101726), (9, 101813), (10, 101819), (11, 101828), (12, 101837), (19, 101960), (22, 102008), (29, 102083), (31, 102113),

Gene: Nidhogg_197 Start: 104477, Stop: 105124, Start Num: 1
Candidate Starts for Nidhogg_197:

(Start: 1 @104477 has 184 MA's), (5, 104582), (9, 104669), (10, 104675), (11, 104684), (12, 104693), (19, 104816), (22, 104864), (29, 104939), (31, 104969),

Gene: NoodleTree_202 Start: 104384, Stop: 105031, Start Num: 1
Candidate Starts for NoodleTree_202:

(Start: 1 @104384 has 184 MA's), (5, 104489), (9, 104576), (10, 104582), (11, 104591), (12, 104600), (19, 104723), (22, 104771), (29, 104846), (31, 104876),

Gene: Norm_195 Start: 104083, Stop: 104730, Start Num: 1
Candidate Starts for Norm_195:

(Start: 1 @104083 has 184 MA's), (5, 104188), (9, 104275), (10, 104281), (11, 104290), (12, 104299), (19, 104422), (22, 104470), (29, 104545), (31, 104575),

Gene: NuevoMundo_199 Start: 106112, Stop: 106759, Start Num: 1
Candidate Starts for NuevoMundo_199:

(Start: 1 @106112 has 184 MA's), (5, 106217), (9, 106304), (10, 106310), (11, 106319), (12, 106328), (19, 106451), (22, 106499), (29, 106574), (31, 106604),

Gene: OrediggerDelux_192 Start: 104616, Stop: 105263, Start Num: 1
Candidate Starts for OrediggerDelux_192:

(Start: 1 @104616 has 184 MA's), (5, 104721), (9, 104808), (10, 104814), (11, 104823), (12, 104832), (19, 104955), (22, 105003), (29, 105078), (31, 105108),

Gene: ParkTD_194 Start: 103948, Stop: 104595, Start Num: 1
Candidate Starts for ParkTD_194:

(Start: 1 @103948 has 184 MA's), (5, 104053), (9, 104140), (10, 104146), (11, 104155), (12, 104164), (19, 104287), (22, 104335), (29, 104410), (31, 104440),

Gene: Patter_196 Start: 102653, Stop: 103300, Start Num: 1
Candidate Starts for Patter_196:

(Start: 1 @102653 has 184 MA's), (5, 102758), (9, 102845), (10, 102851), (11, 102860), (12, 102869), (19, 102992), (22, 103040), (29, 103115), (31, 103145),

Gene: PharkleMinkus_198 Start: 103679, Stop: 104326, Start Num: 1
Candidate Starts for PharkleMinkus_198:

(Start: 1 @103679 has 184 MA's), (5, 103784), (9, 103871), (10, 103877), (11, 103886), (12, 103895), (19, 104018), (22, 104066), (29, 104141), (31, 104171),

Gene: Phlegm_199 Start: 103342, Stop: 103989, Start Num: 1
Candidate Starts for Phlegm_199:

(Start: 1 @103342 has 184 MA's), (5, 103447), (9, 103534), (10, 103540), (11, 103549), (12, 103558), (19, 103681), (22, 103729), (29, 103804), (31, 103834),

Gene: Phox_196 Start: 104303, Stop: 104950, Start Num: 1

Candidate Starts for Phox_196:

(Start: 1 @104303 has 184 MA's), (5, 104408), (9, 104495), (10, 104501), (11, 104510), (12, 104519), (19, 104642), (22, 104690), (29, 104765), (31, 104795),

Gene: Phrappuccino_105 Start: 77777, Stop: 78391, Start Num: 2

Candidate Starts for Phrappuccino_105:

(Start: 2 @77777 has 2 MA's), (4, 77807), (6, 77900), (15, 78020), (16, 78026), (17, 78029), (21, 78107), (23, 78143), (25, 78155), (27, 78194), (32, 78284),

Gene: Phusco_195 Start: 102966, Stop: 103613, Start Num: 1

Candidate Starts for Phusco_195:

(Start: 1 @102966 has 184 MA's), (5, 103071), (9, 103158), (10, 103164), (11, 103173), (12, 103182), (19, 103305), (22, 103353), (29, 103428), (31, 103458),

Gene: Pier_197 Start: 105654, Stop: 106301, Start Num: 1

Candidate Starts for Pier_197:

(Start: 1 @105654 has 184 MA's), (5, 105759), (9, 105846), (10, 105852), (11, 105861), (12, 105870), (19, 105993), (22, 106041), (29, 106116), (31, 106146),

Gene: Pinkcreek_180 Start: 102859, Stop: 103506, Start Num: 1

Candidate Starts for Pinkcreek_180:

(Start: 1 @102859 has 184 MA's), (5, 102964), (9, 103051), (10, 103057), (11, 103066), (12, 103075), (19, 103198), (22, 103246), (29, 103321), (31, 103351),

Gene: Pio_204 Start: 106849, Stop: 107496, Start Num: 1

Candidate Starts for Pio_204:

(Start: 1 @106849 has 184 MA's), (5, 106954), (9, 107041), (10, 107047), (11, 107056), (12, 107065), (19, 107188), (22, 107236), (29, 107311), (31, 107341),

Gene: Pivoine_196 Start: 103342, Stop: 103989, Start Num: 1

Candidate Starts for Pivoine_196:

(Start: 1 @103342 has 184 MA's), (5, 103447), (9, 103534), (10, 103540), (11, 103549), (12, 103558), (19, 103681), (22, 103729), (29, 103804), (31, 103834),

Gene: Pleione_200 Start: 104426, Stop: 105073, Start Num: 1

Candidate Starts for Pleione_200:

(Start: 1 @104426 has 184 MA's), (5, 104531), (9, 104618), (10, 104624), (11, 104633), (12, 104642), (19, 104765), (22, 104813), (29, 104888), (31, 104918),

Gene: Primadonna_190 Start: 102988, Stop: 103635, Start Num: 1

Candidate Starts for Primadonna_190:

(Start: 1 @102988 has 184 MA's), (5, 103093), (9, 103180), (10, 103186), (11, 103195), (12, 103204), (19, 103327), (22, 103375), (29, 103450), (31, 103480),

Gene: Pupper_143 Start: 98901, Stop: 99464, Start Num: 1

Candidate Starts for Pupper_143:

(Start: 1 @98901 has 184 MA's), (3, 98925), (10, 99075), (13, 99111), (14, 99135), (18, 99195), (19, 99198), (22, 99234), (24, 99246), (26, 99264), (28, 99297), (30, 99333), (33, 99387),

Gene: Pupusa_200 Start: 105154, Stop: 105801, Start Num: 1

Candidate Starts for Pupusa_200:

(Start: 1 @105154 has 184 MA's), (5, 105259), (9, 105346), (10, 105352), (11, 105361), (12, 105370), (19, 105493), (22, 105541), (29, 105616), (31, 105646),

Gene: PurduePete_196 Start: 104654, Stop: 105301, Start Num: 1
Candidate Starts for PurduePete_196:

(Start: 1 @104654 has 184 MA's), (5, 104759), (9, 104846), (10, 104852), (11, 104861), (12, 104870), (19, 104993), (22, 105041), (29, 105116), (31, 105146),

Gene: QBert_187 Start: 102704, Stop: 103351, Start Num: 1
Candidate Starts for QBert_187:

(Start: 1 @102704 has 184 MA's), (5, 102809), (9, 102896), (10, 102902), (11, 102911), (12, 102920), (19, 103043), (22, 103091), (29, 103166), (31, 103196),

Gene: Quasimodo_199 Start: 104760, Stop: 105407, Start Num: 1
Candidate Starts for Quasimodo_199:

(Start: 1 @104760 has 184 MA's), (5, 104865), (9, 104952), (10, 104958), (11, 104967), (12, 104976), (19, 105099), (22, 105147), (29, 105222), (31, 105252),

Gene: Rabinovish_190 Start: 105035, Stop: 105682, Start Num: 1
Candidate Starts for Rabinovish_190:

(Start: 1 @105035 has 184 MA's), (5, 105140), (9, 105227), (10, 105233), (11, 105242), (12, 105251), (19, 105374), (22, 105422), (29, 105497), (31, 105527),

Gene: Rahel_197 Start: 103560, Stop: 104207, Start Num: 1
Candidate Starts for Rahel_197:

(Start: 1 @103560 has 184 MA's), (5, 103665), (9, 103752), (10, 103758), (11, 103767), (12, 103776), (19, 103899), (22, 103947), (29, 104022), (31, 104052),

Gene: Rizal_189 Start: 102387, Stop: 103034, Start Num: 1
Candidate Starts for Rizal_189:

(Start: 1 @102387 has 184 MA's), (5, 102492), (9, 102579), (10, 102585), (11, 102594), (12, 102603), (19, 102726), (22, 102774), (29, 102849), (31, 102879),

Gene: RoMag_191 Start: 103871, Stop: 104518, Start Num: 1
Candidate Starts for RoMag_191:

(Start: 1 @103871 has 184 MA's), (5, 103976), (9, 104063), (10, 104069), (11, 104078), (12, 104087), (19, 104210), (22, 104258), (29, 104333), (31, 104363),

Gene: Rocha_193 Start: 103139, Stop: 103786, Start Num: 1
Candidate Starts for Rocha_193:

(Start: 1 @103139 has 184 MA's), (5, 103244), (9, 103331), (10, 103337), (11, 103346), (12, 103355), (19, 103478), (22, 103526), (29, 103601), (31, 103631),

Gene: Ronan_191 Start: 101786, Stop: 102433, Start Num: 1
Candidate Starts for Ronan_191:

(Start: 1 @101786 has 184 MA's), (5, 101891), (9, 101978), (10, 101984), (11, 101993), (12, 102002), (19, 102125), (22, 102173), (29, 102248), (31, 102278),

Gene: Roots515_198 Start: 105205, Stop: 105852, Start Num: 1
Candidate Starts for Roots515_198:

(Start: 1 @105205 has 184 MA's), (5, 105310), (9, 105397), (10, 105403), (11, 105412), (12, 105421), (19, 105544), (22, 105592), (29, 105667), (31, 105697),

Gene: SCentae_142 Start: 99052, Stop: 99615, Start Num: 1

Candidate Starts for SCentae_142:

(Start: 1 @99052 has 184 MA's), (3, 99076), (10, 99226), (13, 99262), (18, 99346), (19, 99349), (22, 99385), (24, 99397), (26, 99415), (28, 99448), (30, 99484), (33, 99538),

Gene: SVoro_192 Start: 104172, Stop: 104819, Start Num: 1

Candidate Starts for SVoro_192:

(Start: 1 @104172 has 184 MA's), (5, 104277), (9, 104364), (10, 104370), (11, 104379), (12, 104388), (19, 104511), (22, 104559), (29, 104634), (31, 104664),

Gene: Salacia_196 Start: 103963, Stop: 104610, Start Num: 1

Candidate Starts for Salacia_196:

(Start: 1 @103963 has 184 MA's), (5, 104068), (9, 104155), (10, 104161), (11, 104170), (12, 104179), (19, 104302), (22, 104350), (29, 104425), (31, 104455),

Gene: Sauce_192 Start: 102777, Stop: 103424, Start Num: 1

Candidate Starts for Sauce_192:

(Start: 1 @102777 has 184 MA's), (5, 102882), (9, 102969), (10, 102975), (11, 102984), (12, 102993), (19, 103116), (22, 103164), (29, 103239), (31, 103269),

Gene: ScottMcG_189 Start: 102410, Stop: 103057, Start Num: 1

Candidate Starts for ScottMcG_189:

(Start: 1 @102410 has 184 MA's), (5, 102515), (9, 102602), (10, 102608), (11, 102617), (12, 102626), (19, 102749), (22, 102797), (29, 102872), (31, 102902),

Gene: Sebata_197 Start: 105118, Stop: 105765, Start Num: 1

Candidate Starts for Sebata_197:

(Start: 1 @105118 has 184 MA's), (5, 105223), (9, 105310), (10, 105316), (11, 105325), (12, 105334), (19, 105457), (22, 105505), (29, 105580), (31, 105610),

Gene: Settecandela_105 Start: 77777, Stop: 78391, Start Num: 2

Candidate Starts for Settecandela_105:

(Start: 2 @77777 has 2 MA's), (4, 77807), (6, 77900), (15, 78020), (16, 78026), (17, 78029), (21, 78107), (23, 78143), (25, 78155), (27, 78194), (32, 78284),

Gene: Shaqnato_188 Start: 103303, Stop: 103950, Start Num: 1

Candidate Starts for Shaqnato_188:

(Start: 1 @103303 has 184 MA's), (5, 103408), (9, 103495), (10, 103501), (11, 103510), (12, 103519), (19, 103642), (22, 103690), (29, 103765), (31, 103795),

Gene: Shelob_197 Start: 105560, Stop: 106207, Start Num: 1

Candidate Starts for Shelob_197:

(Start: 1 @105560 has 184 MA's), (5, 105665), (9, 105752), (10, 105758), (11, 105767), (12, 105776), (19, 105899), (22, 105947), (29, 106022), (31, 106052),

Gene: ShiaLabeouf_193 Start: 102768, Stop: 103415, Start Num: 1

Candidate Starts for ShiaLabeouf_193:

(Start: 1 @102768 has 184 MA's), (5, 102873), (9, 102960), (10, 102966), (11, 102975), (12, 102984), (19, 103107), (22, 103155), (29, 103230), (31, 103260),

Gene: Shnickers_194 Start: 102832, Stop: 103479, Start Num: 1

Candidate Starts for Shnickers_194:

(Start: 1 @102832 has 184 MA's), (5, 102937), (9, 103024), (10, 103030), (11, 103039), (12, 103048), (19, 103171), (22, 103219), (29, 103294), (31, 103324),

Gene: Shrimp_197 Start: 104412, Stop: 105059, Start Num: 1

Candidate Starts for Shrimp_197:

(Start: 1 @104412 has 184 MA's), (5, 104517), (9, 104604), (10, 104610), (11, 104619), (12, 104628), (19, 104751), (22, 104799), (29, 104874), (31, 104904),

Gene: SilverDipper_199 Start: 103898, Stop: 104545, Start Num: 1

Candidate Starts for SilverDipper_199:

(Start: 1 @103898 has 184 MA's), (5, 104003), (9, 104090), (10, 104096), (11, 104105), (12, 104114), (19, 104237), (22, 104285), (29, 104360), (31, 104390),

Gene: Skog_203 Start: 128252, Stop: 128821, Start Num: 1

Candidate Starts for Skog_203:

(Start: 1 @128252 has 184 MA's), (Start: 2 @128258 has 2 MA's), (8, 128393), (10, 128426), (13, 128462), (20, 128561), (26, 128615), (28, 128648), (30, 128684), (33, 128738), (34, 128756), (35, 128789),

Gene: SmallFry_196 Start: 102926, Stop: 103573, Start Num: 1

Candidate Starts for SmallFry_196:

(Start: 1 @102926 has 184 MA's), (5, 103031), (9, 103118), (10, 103124), (11, 103133), (12, 103142), (19, 103265), (22, 103313), (29, 103388), (31, 103418),

Gene: SoilZilla_192 Start: 103788, Stop: 104435, Start Num: 1

Candidate Starts for SoilZilla_192:

(Start: 1 @103788 has 184 MA's), (5, 103893), (9, 103980), (10, 103986), (11, 103995), (12, 104004), (19, 104127), (22, 104175), (29, 104250), (31, 104280),

Gene: Spec_191 Start: 103117, Stop: 103764, Start Num: 1

Candidate Starts for Spec_191:

(Start: 1 @103117 has 184 MA's), (5, 103222), (9, 103309), (10, 103315), (11, 103324), (12, 103333), (19, 103456), (22, 103504), (29, 103579), (31, 103609),

Gene: Specks_200 Start: 105235, Stop: 105882, Start Num: 1

Candidate Starts for Specks_200:

(Start: 1 @105235 has 184 MA's), (5, 105340), (9, 105427), (10, 105433), (11, 105442), (12, 105451), (19, 105574), (22, 105622), (29, 105697), (31, 105727),

Gene: Sprinklers_193 Start: 103007, Stop: 103654, Start Num: 1

Candidate Starts for Sprinklers_193:

(Start: 1 @103007 has 184 MA's), (5, 103112), (9, 103199), (10, 103205), (11, 103214), (12, 103223), (19, 103346), (22, 103394), (29, 103469), (31, 103499),

Gene: Spud_191 Start: 103505, Stop: 104152, Start Num: 1

Candidate Starts for Spud_191:

(Start: 1 @103505 has 184 MA's), (5, 103610), (9, 103697), (10, 103703), (11, 103712), (12, 103721), (19, 103844), (22, 103892), (29, 103967), (31, 103997),

Gene: SrishMeg2525_193 Start: 104186, Stop: 104833, Start Num: 1

Candidate Starts for SrishMeg2525_193:

(Start: 1 @104186 has 184 MA's), (5, 104291), (9, 104378), (10, 104384), (11, 104393), (12, 104402), (19, 104525), (22, 104573), (29, 104648), (31, 104678),

Gene: StephanieG_193 Start: 104700, Stop: 105347, Start Num: 1

Candidate Starts for StephanieG_193:

(Start: 1 @104700 has 184 MA's), (5, 104805), (9, 104892), (10, 104898), (11, 104907), (12, 104916), (19, 105039), (22, 105087), (29, 105162), (31, 105192),

Gene: Stubby_181 Start: 103545, Stop: 104192, Start Num: 1

Candidate Starts for Stubby_181:

(Start: 1 @103545 has 184 MA's), (5, 103650), (9, 103737), (10, 103743), (11, 103752), (12, 103761), (19, 103884), (22, 103932), (29, 104007), (31, 104037),

Gene: StubbySaigey_200 Start: 103432, Stop: 104079, Start Num: 1

Candidate Starts for StubbySaigey_200:

(Start: 1 @103432 has 184 MA's), (5, 103537), (9, 103624), (10, 103630), (11, 103639), (12, 103648), (19, 103771), (22, 103819), (29, 103894), (31, 103924),

Gene: Substance289_193 Start: 102974, Stop: 103621, Start Num: 1

Candidate Starts for Substance289_193:

(Start: 1 @102974 has 184 MA's), (5, 103079), (9, 103166), (10, 103172), (11, 103181), (12, 103190), (19, 103313), (22, 103361), (29, 103436), (31, 103466),

Gene: Tainan_197 Start: 104254, Stop: 104901, Start Num: 1

Candidate Starts for Tainan_197:

(Start: 1 @104254 has 184 MA's), (5, 104359), (9, 104446), (10, 104452), (11, 104461), (12, 104470), (19, 104593), (22, 104641), (29, 104716), (31, 104746),

Gene: Teardrop_193 Start: 102430, Stop: 103077, Start Num: 1

Candidate Starts for Teardrop_193:

(Start: 1 @102430 has 184 MA's), (5, 102535), (9, 102622), (10, 102628), (11, 102637), (12, 102646), (19, 102769), (22, 102817), (29, 102892), (31, 102922),

Gene: TinyTim_194 Start: 103035, Stop: 103682, Start Num: 1

Candidate Starts for TinyTim_194:

(Start: 1 @103035 has 184 MA's), (5, 103140), (9, 103227), (10, 103233), (11, 103242), (12, 103251), (19, 103374), (22, 103422), (29, 103497), (31, 103527),

Gene: Tonenili_216 Start: 109204, Stop: 109851, Start Num: 1

Candidate Starts for Tonenili_216:

(Start: 1 @109204 has 184 MA's), (5, 109309), (7, 109345), (9, 109396), (10, 109402), (11, 109411), (12, 109420), (22, 109591), (29, 109666), (31, 109696),

Gene: Tortoise16_194 Start: 103671, Stop: 104318, Start Num: 1

Candidate Starts for Tortoise16_194:

(Start: 1 @103671 has 184 MA's), (5, 103776), (9, 103863), (10, 103869), (11, 103878), (12, 103887), (19, 104010), (22, 104058), (29, 104133), (31, 104163),

Gene: Trinitium_193 Start: 103265, Stop: 103912, Start Num: 1

Candidate Starts for Trinitium_193:

(Start: 1 @103265 has 184 MA's), (5, 103370), (9, 103457), (10, 103463), (11, 103472), (12, 103481), (19, 103604), (22, 103652), (29, 103727), (31, 103757),

Gene: Turret_190 Start: 102847, Stop: 103494, Start Num: 1

Candidate Starts for Turret_190:

(Start: 1 @102847 has 184 MA's), (5, 102952), (9, 103039), (10, 103045), (11, 103054), (12, 103063), (19, 103186), (22, 103234), (29, 103309), (31, 103339),

Gene: Tyke_194 Start: 105038, Stop: 105685, Start Num: 1

Candidate Starts for Tyke_194:

(Start: 1 @105038 has 184 MA's), (5, 105143), (9, 105230), (10, 105236), (11, 105245), (12, 105254), (19, 105377), (22, 105425), (29, 105500), (31, 105530),

Gene: ValleyTerrace_196 Start: 102639, Stop: 103286, Start Num: 1

Candidate Starts for ValleyTerrace_196:

(Start: 1 @102639 has 184 MA's), (5, 102744), (9, 102831), (10, 102837), (11, 102846), (12, 102855), (19, 102978), (22, 103026), (29, 103101), (31, 103131),

Gene: Vortrix_214 Start: 107990, Stop: 108637, Start Num: 1

Candidate Starts for Vortrix_214:

(Start: 1 @107990 has 184 MA's), (5, 108095), (7, 108131), (9, 108182), (10, 108188), (11, 108197), (12, 108206), (22, 108377), (29, 108452), (31, 108482),

Gene: Wally_195 Start: 103415, Stop: 104062, Start Num: 1

Candidate Starts for Wally_195:

(Start: 1 @103415 has 184 MA's), (5, 103520), (9, 103607), (10, 103613), (11, 103622), (12, 103631), (19, 103754), (22, 103802), (29, 103877), (31, 103907),

Gene: Willis_196 Start: 103846, Stop: 104493, Start Num: 1

Candidate Starts for Willis_196:

(Start: 1 @103846 has 184 MA's), (5, 103951), (9, 104038), (10, 104044), (11, 104053), (12, 104062), (19, 104185), (22, 104233), (29, 104308), (31, 104338),

Gene: Yassified_192 Start: 102984, Stop: 103631, Start Num: 1

Candidate Starts for Yassified_192:

(Start: 1 @102984 has 184 MA's), (5, 103089), (9, 103176), (10, 103182), (11, 103191), (12, 103200), (19, 103323), (22, 103371), (29, 103446), (31, 103476),

Gene: YemiJoy2021_196 Start: 104602, Stop: 105249, Start Num: 1

Candidate Starts for YemiJoy2021_196:

(Start: 1 @104602 has 184 MA's), (5, 104707), (9, 104794), (10, 104800), (11, 104809), (12, 104818), (19, 104941), (22, 104989), (29, 105064), (31, 105094),

Gene: YoungMoneyMata_195 Start: 103627, Stop: 104274, Start Num: 1

Candidate Starts for YoungMoneyMata_195:

(Start: 1 @103627 has 184 MA's), (5, 103732), (9, 103819), (10, 103825), (11, 103834), (12, 103843), (19, 103966), (22, 104014), (29, 104089), (31, 104119),

Gene: Yucca_196 Start: 104594, Stop: 105241, Start Num: 1

Candidate Starts for Yucca_196:

(Start: 1 @104594 has 184 MA's), (5, 104699), (9, 104786), (10, 104792), (11, 104801), (12, 104810), (19, 104933), (22, 104981), (29, 105056), (31, 105086),

Gene: Zalkecks_195 Start: 103675, Stop: 104322, Start Num: 1

Candidate Starts for Zalkecks_195:

(Start: 1 @103675 has 184 MA's), (5, 103780), (9, 103867), (10, 103873), (11, 103882), (12, 103891), (19, 104014), (22, 104062), (29, 104137), (31, 104167),

Gene: Zeenon_198 Start: 104246, Stop: 104893, Start Num: 1

Candidate Starts for Zeenon_198:

(Start: 1 @104246 has 184 MA's), (5, 104351), (9, 104438), (10, 104444), (11, 104453), (12, 104462), (19, 104585), (22, 104633), (29, 104708), (31, 104738),

Gene: ZygoTaiga_192 Start: 104866, Stop: 105513, Start Num: 1

Candidate Starts for ZygoTaiga_192:

(Start: 1 @104866 has 184 MA's), (5, 104971), (9, 105058), (10, 105064), (11, 105073), (12, 105082), (19, 105205), (22, 105253), (29, 105328), (31, 105358),