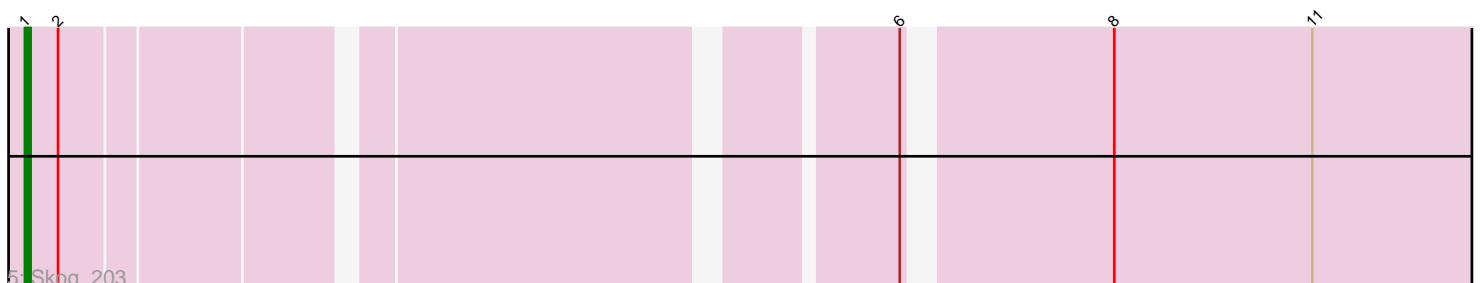
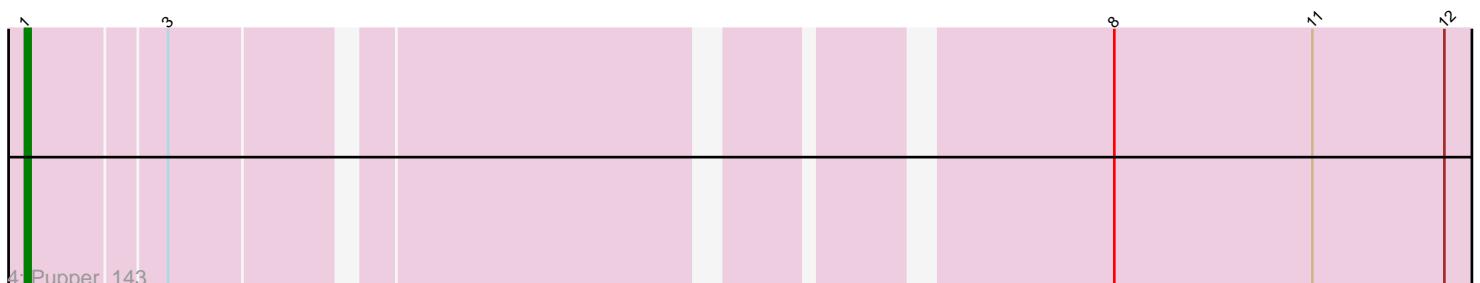
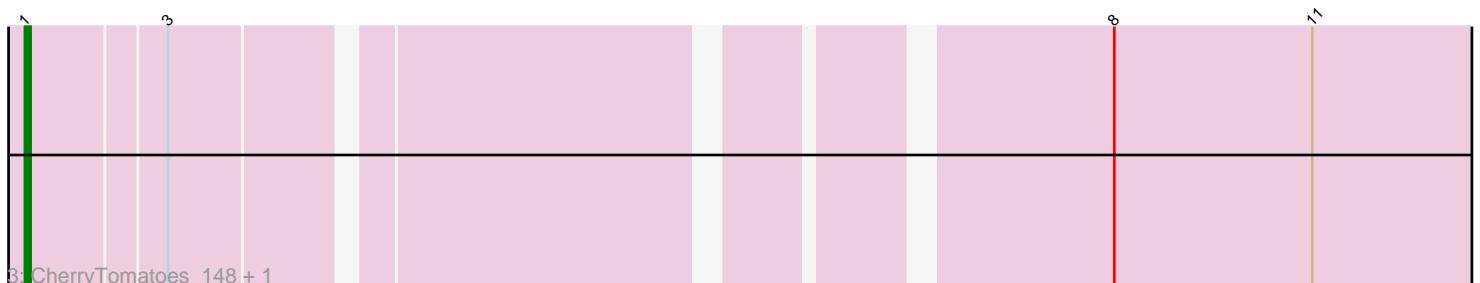
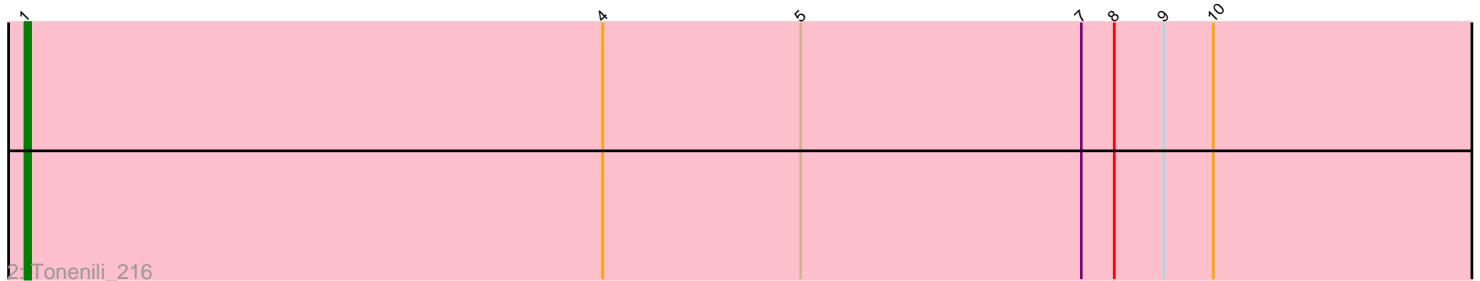
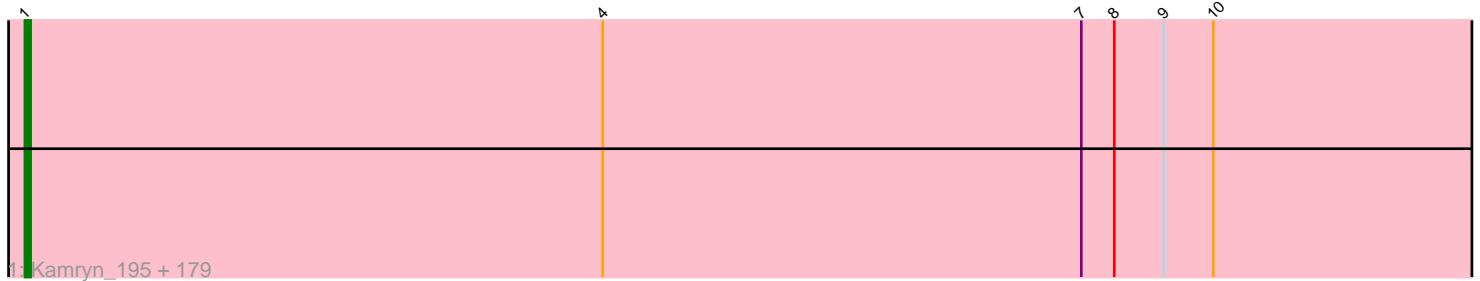


Zoomed Pham 84925



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 84925 Report

This analysis was run 04/05/24 on database version 557.

Pham number 84925 has 185 members, 16 are drafts.

Phages represented in each track:

- Track 1 : Kamryn_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, Grasshills_203, Ronan_191, Babyland_198, Teardrop_193, Rabinovish_190, Daffodil_200, Bread_191, JPickles_192, Rahel_197, Willis_196, Burrough_198, Amataga_196, Nidhogg_197, Darko_195, Ading_196, Napoleon13_194, Pio_204, Bigswole_200, Audrick_199, ZygoTaiga_192, Phlegm_199, LinStu_194, ChickenPhender_193, Yassified_192, Breenieme_195, Erdmann_197, MoMoMixon_193, Gizmo_201, InterFolia_199, Zeenon_198, Flabslab_192, Dandelion_203, Momo_196, Rizal_189, MikeLiesIn_197, I3_205, Basquiat_194, Patter_196, FrayBell_199, Sauce_192, Latch_195, HyRo_184, Ngannou_192, SmallFry_196, Delylah_197, McGee_196, Concombre_200, Phox_196, Bipolarisk_194, Khaleesi_195, Delilah_194, Naval22_201, BeanWater_187, TinyTim_194, ArcherS7_195, CharlieB_189, Issimir_192, Ava3_194, EasyJones_200, Turret_190, Norm_195, BadAgartude_190, Specks_200, Janiyra_200, NoodleTree_202, EmmaElysia_199, Capablanca_200, LRRHood_188, Phusco_195, Koguma_194, Astraea_190, JulietS_189, IkeLoa_188, Pinkcreek_180, EggyFarm_204, Shrimp_197, Melpomini_190, Caravan_186, Tyke_194, Salacia_196, Gabriel_199, EmToTheThree_197, Quasimodo_199, BananaFence_193, Wally_195, JayJay_194, Yucca_196, Izajani_194, ChaylaJr_194, Asterius_192, Bxz1_186, Chargie21_194, SilverDipper_199, Mikro_191, Stubby_181, Dietrick_186, Trinitium_193, Grungle_181, Alice_183, BackyardAgain_193, Maby2021_195, YoungMoneyMata_195, DrPhinkDaddy_193, Cactojaque_192, JustHall_191, StubbySaigey_200, Matsumoto_196, Chomp_194, FudgeTart_191, Pleione_200, Megamind_193, PurduePete_196, Bangla1971_196, Spud_191, Lee7_196, Gamgam_196, Mangeria_196, StephanieG_193, YemiJoy2021_196, FoxtrotP1_194, ShiaLabeouf_193, Fludd_197, ScottMcG_189, CindyLou_197, DirtMonster_189, ErnieJ_189, Lukilu_186, Jessibeth14_196, LordLeafolot_198, Iota_190, Blubba_192, NuevoMundo_199, Pier_197, ValleyTerrace_196, Jedediah_196, Drazdys_194, Atlantean_195, Shnickers_194, Jemmno_195, Colt_187, Catera_190, NedWong_195, DTDevon_198, Ewok_195, ET08_183, Pivoine_196, Sprinklers_193, Jaygup_192, Morizzled23_194, InigoMontoya_198, Loanshark_193, Tortoise16_194, Shaqnato_188, Sebata_197, Bonray_198, Shelob_197, Nappy_196, Spec_191, QBert_187, Essence_193, Ghost_196, Zalkecks_195, Naija_196, ParkTD_194, SrishMeg2525_193, RoMag_191, Blackbrain_193
- Track 2 : Tonenili_216
- Track 3 : CherryTomatoes_148, SCentae_142
- Track 4 : Pupper_143

- Track 5 : 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 169 of the 169 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• Ading_196, Adlitam_195, Alice_183, Amataga_196, ArcherS7_195, Asterius_192, Astraea_190, Atlantean_195, Audrick_199, Ava3_194, Babyland_198, BackyardAgain_193, BadAgartude_190, BananaFence_193, Bangla1971_196, Basquiat_194, BeanWater_187, BigCity_204, Bigswole_200, Bipolarisk_194, Blackbrain_193, Blubba_192, Bonray_198, Bread_191, Breeniome_195, Burrough_198, Bxz1_186, Cactojaque_192, Cali_189, Cane17_187, Capablanca_200, Caravan_186, Catera_190, Charge21_194, CharlieB_189, ChaylaJr_194, CherryTomatoes_148, ChickenPhender_193, Chomp_194, CindyLou_197, Colt_187, Concombre_200, DTDevon_198, Daffodil_200, Dandelion_203, Darko_195, Delilah_194, Delylah_197, Derek_193, Dietrick_186, DirtMonster_189, DrPhinkDaddy_193, Drazdys_194, ET08_183, EasyJones_200, EggyFarm_204, EmToTheThree_197, EmmaElysia_199, Erdmann_197, ErnieJ_189, Essence_193, Ewok_195, Flabslab_192, Fludd_197, FoxtrotP1_194, FrayBell_199, FudgeTart_191, Gabriel_199, Gamgam_196, Ghost_196, Gizmo_201, Grasshills_203, Grungle_181, Guwapp_191, HyRo_184, I3_205, IkeLoa_188, InigoMontoya_198, InterFolia_199, Iota_190, Issimir_192, Izajani_194, JPickles_192, Janiyra_200, JayJay_194, Jaygup_192, Jedediah_196, Jemmno_195, Jessibeth14_196, JulietS_189, JustHall_191, Kamryn_195, Kboogie_200, Khaleesi_195, Koguma_194, LRRHood_188, Latch_195, Lee7_196, LifeSavor_195, LinStu_194, Littleton_199, Loanshark_193, LolaVinca_194, LordLeafolot_198, Lukilu_186, Maby2021_195, Mangeria_196, Matsumoto_196, McGee_196, McWolfish_193, Megamind_193, Melpomini_190, MikeLiesIn_197, Mikro_191, MoMoMixon_193, Momo_196, Morizzled23_194, Naija_196, Napoleon13_194, Nappy_196, Naval22_201, NedWong_195, Ngannou_192, Nidhogg_197, NoodleTree_202, Norm_195, NuevoMundo_199, ParkTD_194, Patter_196, Phlegm_199, Phox_196, Phusco_195, Pier_197, Pinkcreek_180, Pio_204, Pivoine_196, Pleione_200, Pupper_143, PurduePete_196, QBert_187, Quasimodo_199, Rabinovich_190, Rahel_197, Rizal_189, RoMag_191, Ronan_191, Roots515_198, SCentae_142, Salacia_196, Sauce_192, ScottMcG_189, Sebata_197, Shaqnato_188, Shelob_197, ShiaLabeouf_193, Shnickers_194, Shrimp_197, SilverDipper_199, Skog_203, SmallFry_196, Spec_191, Specks_200, Sprinklers_193, Spud_191, SrishMeg2525_193, StephanieG_193, StubbySaigey_200, Stubby_181, Teardrop_193, TinyTim_194, Tonenili_216, Tortoise16_194, Trinitium_193, Turret_190, Tyke_194, ValleyTerrace_196, 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:

-

Summary by start number:

Start 1:

- Found in 185 of 185 (100.0%) of genes in pham
- Manual Annotations of this start: 169 of 169
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ading_196 (C1), Adlitam_195 (C1), Alice_183 (C1), Amataga_196 (C1), ArcherS7_195 (C1), Asterius_192 (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), BigCity_204 (C1), Bigswole_200 (C1), Bipolarisk_194 (C1), Blackbrain_193 (C1), Blubba_192 (C1), Bonray_198 (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_148 (DO), ChickenPhender_193 (C1), Chomp_194 (C1), CindyLou_197 (C1), Colt_187 (C1), Concombre_200 (C1), DTDevon_198 (C1), Daffodil_200 (C1), Dandelion_203 (C1), Darko_195 (C1), Delilah_194 (C1), Delylah_197 (C1), Derek_193 (C1), Dietrick_186 (C1), DirtMonster_189 (C1), DrPhinkDaddy_193 (C1), Drazdys_194 (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), Flabslab_192 (C1), Fludd_197 (C1), FoxtrotP1_194 (C1), FrayBell_199 (C1), FudgeTart_191 (C1), Gabriel_199 (C1), Gamgam_196 (C1), Ghost_196 (C1), Gizmo_201 (C1), Grasshills_203 (C1), Grungle_181 (C1), Guwapp_191 (C1), HyRo_184 (C1), I3_205 (C1), IkeLoa_188 (C1), InigoMontoya_198 (C1), InterFolia_199 (C1), Iota_190 (C1), Issimir_192 (C1), Izajani_194 (C1), JPickles_192 (C1), Janiyra_200 (C1), JayJay_194 (C1), Jaygup_192 (C1), Jedediah_196 (C1), Jemmno_195 (C1), Jessibeth14_196 (C1), JulietS_189 (C1), JustHall_191 (C1), Kamryn_195 (C1), Kboogie_200 (C1), Khaleesi_195 (C1), Koguma_194 (C1), LRRHood_188 (C1), Latch_195 (C1), Lee7_196 (C1), LifeSavor_195 (C1), LinStu_194 (C1), Littleton_199 (C1), Loanshark_193 (C1), LolaVinca_194 (C1), LordLeafolot_198 (C1), Lukilu_186 (C1), Maby2021_195 (C1), Mangeria_196 (C1), Matsumoto_196 (C1), McGee_196 (C1), McWolfish_193 (C1), Megamind_193 (C1), Melpomini_190 (C1), MikeLiesln_197 (C1), Mikro_191 (C1), MoMoMixon_193 (C1), Momo_196 (C1), Morizzled23_194 (C1), Naija_196 (C1), Napoleon13_194 (C1), Nappy_196 (C1), Naval22_201 (C1), NedWong_195 (C1), Ngannou_192 (C1), Nidhogg_197 (C1), NoodleTree_202 (C1), Norm_195 (C1), NuevoMundo_199 (C1), ParkTD_194 (C1), Patter_196 (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), Pupper_143 (DO), PurduePete_196 (C1), QBert_187 (C1), Quasimodo_199 (C1), Rabinovish_190 (C1), Rahel_197 (C1), Rizal_189 (C1), RoMag_191 (C1), Ronan_191 (C1), Roots515_198 (C1), SCentae_142 (DO), 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), Spec_191 (C1), Specks_200 (C1), Sprinklers_193 (C1), Spud_191 (C1), SrishMeg2525_193 (C1), StephanieG_193 (C1), StubbySaigey_200 (C1), Stubby_181 (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), 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),

Summary by clusters:

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

Info for manual annotations of cluster C1:

- Start number 1 was manually annotated 166 times for cluster C1.

Info for manual annotations of cluster DO:

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

Gene Information:

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

Candidate Starts for Ading_196:

(Start: 1 @ 104223 has 169 MA's), (4, 104328), (7, 104415), (8, 104421), (9, 104430), (10, 104439), (14, 104562), (16, 104610), (20, 104685), (22, 104715),

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

Candidate Starts for Adlitam_195:

(Start: 1 @ 103310 has 169 MA's), (4, 103415), (7, 103502), (8, 103508), (9, 103517), (10, 103526), (14, 103649), (16, 103697), (20, 103772), (22, 103802),

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

Candidate Starts for Alice_183:

(Start: 1 @ 103278 has 169 MA's), (4, 103383), (7, 103470), (8, 103476), (9, 103485), (10, 103494), (14, 103617), (16, 103665), (20, 103740), (22, 103770),

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

Candidate Starts for Amataga_196:

(Start: 1 @ 102639 has 169 MA's), (4, 102744), (7, 102831), (8, 102837), (9, 102846), (10, 102855), (14, 102978), (16, 103026), (20, 103101), (22, 103131),

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

Candidate Starts for ArcherS7_195:

(Start: 1 @ 103666 has 169 MA's), (4, 103771), (7, 103858), (8, 103864), (9, 103873), (10, 103882), (14, 104005), (16, 104053), (20, 104128), (22, 104158),

Gene: Asterius_192 Start: 103357, Stop: 104004, Start Num: 1

Candidate Starts for Asterius_192:

(Start: 1 @ 103357 has 169 MA's), (4, 103462), (7, 103549), (8, 103555), (9, 103564), (10, 103573), (14, 103696), (16, 103744), (20, 103819), (22, 103849),

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

Candidate Starts for Astraea_190:

(Start: 1 @ 102728 has 169 MA's), (4, 102833), (7, 102920), (8, 102926), (9, 102935), (10, 102944), (14, 103067), (16, 103115), (20, 103190), (22, 103220),

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

Candidate Starts for Atlantean_195:

(Start: 1 @102639 has 169 MA's), (4, 102744), (7, 102831), (8, 102837), (9, 102846), (10, 102855),
(14, 102978), (16, 103026), (20, 103101), (22, 103131),

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

Candidate Starts for Audrick_199:

(Start: 1 @103321 has 169 MA's), (4, 103426), (7, 103513), (8, 103519), (9, 103528), (10, 103537),
(14, 103660), (16, 103708), (20, 103783), (22, 103813),

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

Candidate Starts for Ava3_194:

(Start: 1 @103382 has 169 MA's), (4, 103487), (7, 103574), (8, 103580), (9, 103589), (10, 103598),
(14, 103721), (16, 103769), (20, 103844), (22, 103874),

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

Candidate Starts for Babyland_198:

(Start: 1 @103416 has 169 MA's), (4, 103521), (7, 103608), (8, 103614), (9, 103623), (10, 103632),
(14, 103755), (16, 103803), (20, 103878), (22, 103908),

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

Candidate Starts for BackyardAgain_193:

(Start: 1 @102117 has 169 MA's), (4, 102222), (7, 102309), (8, 102315), (9, 102324), (10, 102333),
(14, 102456), (16, 102504), (20, 102579), (22, 102609),

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

Candidate Starts for BadAgartude_190:

(Start: 1 @103221 has 169 MA's), (4, 103326), (7, 103413), (8, 103419), (9, 103428), (10, 103437),
(14, 103560), (16, 103608), (20, 103683), (22, 103713),

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

Candidate Starts for BananaFence_193:

(Start: 1 @103357 has 169 MA's), (4, 103462), (7, 103549), (8, 103555), (9, 103564), (10, 103573),
(14, 103696), (16, 103744), (20, 103819), (22, 103849),

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

Candidate Starts for Bangla1971_196:

(Start: 1 @103128 has 169 MA's), (4, 103233), (7, 103320), (8, 103326), (9, 103335), (10, 103344),
(14, 103467), (16, 103515), (20, 103590), (22, 103620),

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

Candidate Starts for Basquiat_194:

(Start: 1 @102943 has 169 MA's), (4, 103048), (7, 103135), (8, 103141), (9, 103150), (10, 103159),
(14, 103282), (16, 103330), (20, 103405), (22, 103435),

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

Candidate Starts for BeanWater_187:

(Start: 1 @102683 has 169 MA's), (4, 102788), (7, 102875), (8, 102881), (9, 102890), (10, 102899),
(14, 103022), (16, 103070), (20, 103145), (22, 103175),

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

Candidate Starts for BigCity_204:

(Start: 1 @106245 has 169 MA's), (4, 106350), (7, 106437), (8, 106443), (9, 106452), (10, 106461),
(14, 106584), (16, 106632), (20, 106707), (22, 106737),

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

Candidate Starts for Bigswole_200:

(Start: 1 @106084 has 169 MA's), (4, 106189), (7, 106276), (8, 106282), (9, 106291), (10, 106300),
(14, 106423), (16, 106471), (20, 106546), (22, 106576),

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

Candidate Starts for Bipolarisk_194:

(Start: 1 @103651 has 169 MA's), (4, 103756), (7, 103843), (8, 103849), (9, 103858), (10, 103867),
(14, 103990), (16, 104038), (20, 104113), (22, 104143),

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

Candidate Starts for Blackbrain_193:

(Start: 1 @103545 has 169 MA's), (4, 103650), (7, 103737), (8, 103743), (9, 103752), (10, 103761),
(14, 103884), (16, 103932), (20, 104007), (22, 104037),

Gene: Blubba_192 Start: 106741, Stop: 107388, Start Num: 1

Candidate Starts for Blubba_192:

(Start: 1 @106741 has 169 MA's), (4, 106846), (7, 106933), (8, 106939), (9, 106948), (10, 106957),
(14, 107080), (16, 107128), (20, 107203), (22, 107233),

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

Candidate Starts for Bonray_198:

(Start: 1 @105053 has 169 MA's), (4, 105158), (7, 105245), (8, 105251), (9, 105260), (10, 105269),
(14, 105392), (16, 105440), (20, 105515), (22, 105545),

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

Candidate Starts for Bread_191:

(Start: 1 @103051 has 169 MA's), (4, 103156), (7, 103243), (8, 103249), (9, 103258), (10, 103267),
(14, 103390), (16, 103438), (20, 103513), (22, 103543),

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

Candidate Starts for Breeniome_195:

(Start: 1 @102679 has 169 MA's), (4, 102784), (7, 102871), (8, 102877), (9, 102886), (10, 102895),
(14, 103018), (16, 103066), (20, 103141), (22, 103171),

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

Candidate Starts for Burrough_198:

(Start: 1 @104995 has 169 MA's), (4, 105100), (7, 105187), (8, 105193), (9, 105202), (10, 105211),
(14, 105334), (16, 105382), (20, 105457), (22, 105487),

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

Candidate Starts for Bxz1_186:

(Start: 1 @106194 has 169 MA's), (4, 106299), (7, 106386), (8, 106392), (9, 106401), (10, 106410),
(14, 106533), (16, 106581), (20, 106656), (22, 106686),

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

Candidate Starts for Cactojaque_192:

(Start: 1 @102963 has 169 MA's), (4, 103068), (7, 103155), (8, 103161), (9, 103170), (10, 103179),
(14, 103302), (16, 103350), (20, 103425), (22, 103455),

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

Candidate Starts for Cali_189:

(Start: 1 @104433 has 169 MA's), (4, 104538), (7, 104625), (8, 104631), (9, 104640), (10, 104649),
(14, 104772), (16, 104820), (20, 104895), (22, 104925),

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

Candidate Starts for Cane17_187:

(Start: 1 @107150 has 169 MA's), (4, 107255), (7, 107342), (8, 107348), (9, 107357), (10, 107366),
(14, 107489), (16, 107537), (20, 107612), (22, 107642),

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

Candidate Starts for Capablanca_200:

(Start: 1 @105648 has 169 MA's), (4, 105753), (7, 105840), (8, 105846), (9, 105855), (10, 105864),
(14, 105987), (16, 106035), (20, 106110), (22, 106140),

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

Candidate Starts for Caravan_186:

(Start: 1 @103456 has 169 MA's), (4, 103561), (7, 103648), (8, 103654), (9, 103663), (10, 103672),
(14, 103795), (16, 103843), (20, 103918), (22, 103948),

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

Candidate Starts for Catera_190:

(Start: 1 @102643 has 169 MA's), (4, 102748), (7, 102835), (8, 102841), (9, 102850), (10, 102859),
(14, 102982), (16, 103030), (20, 103105), (22, 103135),

Gene: Charge21_194 Start: 102943, Stop: 103590, Start Num: 1

Candidate Starts for Charge21_194:

(Start: 1 @102943 has 169 MA's), (4, 103048), (7, 103135), (8, 103141), (9, 103150), (10, 103159),
(14, 103282), (16, 103330), (20, 103405), (22, 103435),

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

Candidate Starts for CharlieB_189:

(Start: 1 @102885 has 169 MA's), (4, 102990), (7, 103077), (8, 103083), (9, 103092), (10, 103101),
(14, 103224), (16, 103272), (20, 103347), (22, 103377),

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

Candidate Starts for ChaylaJr_194:

(Start: 1 @103371 has 169 MA's), (4, 103476), (7, 103563), (8, 103569), (9, 103578), (10, 103587),
(14, 103710), (16, 103758), (20, 103833), (22, 103863),

Gene: CherryTomatoes_148 Start: 98661, Stop: 99224, Start Num: 1

Candidate Starts for CherryTomatoes_148:

(Start: 1 @98661 has 169 MA's), (3, 98685), (8, 98835), (11, 98871), (13, 98955), (14, 98958), (16, 98994),
(17, 99006), (18, 99024), (19, 99057), (21, 99093), (23, 99147),

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

Candidate Starts for ChickenPhender_193:

(Start: 1 @103090 has 169 MA's), (4, 103195), (7, 103282), (8, 103288), (9, 103297), (10, 103306),
(14, 103429), (16, 103477), (20, 103552), (22, 103582),

Gene: Chomp_194 Start: 103928, Stop: 104575, Start Num: 1

Candidate Starts for Chomp_194:

(Start: 1 @103928 has 169 MA's), (4, 104033), (7, 104120), (8, 104126), (9, 104135), (10, 104144),
(14, 104267), (16, 104315), (20, 104390), (22, 104420),

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

Candidate Starts for CindyLou_197:

(Start: 1 @104671 has 169 MA's), (4, 104776), (7, 104863), (8, 104869), (9, 104878), (10, 104887), (14, 105010), (16, 105058), (20, 105133), (22, 105163),

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

Candidate Starts for Colt_187:

(Start: 1 @106381 has 169 MA's), (4, 106486), (7, 106573), (8, 106579), (9, 106588), (10, 106597), (14, 106720), (16, 106768), (20, 106843), (22, 106873),

Gene: Concombre_200 Start: 105776, Stop: 106423, Start Num: 1

Candidate Starts for Concombre_200:

(Start: 1 @105776 has 169 MA's), (4, 105881), (7, 105968), (8, 105974), (9, 105983), (10, 105992), (14, 106115), (16, 106163), (20, 106238), (22, 106268),

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

Candidate Starts for DTDevon_198:

(Start: 1 @105160 has 169 MA's), (4, 105265), (7, 105352), (8, 105358), (9, 105367), (10, 105376), (14, 105499), (16, 105547), (20, 105622), (22, 105652),

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

Candidate Starts for Daffodil_200:

(Start: 1 @103951 has 169 MA's), (4, 104056), (7, 104143), (8, 104149), (9, 104158), (10, 104167), (14, 104290), (16, 104338), (20, 104413), (22, 104443),

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

Candidate Starts for Dandelion_203:

(Start: 1 @107584 has 169 MA's), (4, 107689), (7, 107776), (8, 107782), (9, 107791), (10, 107800), (14, 107923), (16, 107971), (20, 108046), (22, 108076),

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

Candidate Starts for Darko_195:

(Start: 1 @103361 has 169 MA's), (4, 103466), (7, 103553), (8, 103559), (9, 103568), (10, 103577), (14, 103700), (16, 103748), (20, 103823), (22, 103853),

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

Candidate Starts for Delilah_194:

(Start: 1 @104069 has 169 MA's), (4, 104174), (7, 104261), (8, 104267), (9, 104276), (10, 104285), (14, 104408), (16, 104456), (20, 104531), (22, 104561),

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

Candidate Starts for Delylah_197:

(Start: 1 @104049 has 169 MA's), (4, 104154), (7, 104241), (8, 104247), (9, 104256), (10, 104265), (14, 104388), (16, 104436), (20, 104511), (22, 104541),

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

Candidate Starts for Derek_193:

(Start: 1 @103688 has 169 MA's), (4, 103793), (7, 103880), (8, 103886), (9, 103895), (10, 103904), (14, 104027), (16, 104075), (20, 104150), (22, 104180),

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

Candidate Starts for Dietrick_186:

(Start: 1 @102673 has 169 MA's), (4, 102778), (7, 102865), (8, 102871), (9, 102880), (10, 102889),
(14, 103012), (16, 103060), (20, 103135), (22, 103165),

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

Candidate Starts for DirtMonster_189:

(Start: 1 @103430 has 169 MA's), (4, 103535), (7, 103622), (8, 103628), (9, 103637), (10, 103646),
(14, 103769), (16, 103817), (20, 103892), (22, 103922),

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

Candidate Starts for DrPhinkDaddy_193:

(Start: 1 @104729 has 169 MA's), (4, 104834), (7, 104921), (8, 104927), (9, 104936), (10, 104945),
(14, 105068), (16, 105116), (20, 105191), (22, 105221),

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

Candidate Starts for Drazdys_194:

(Start: 1 @103805 has 169 MA's), (4, 103910), (7, 103997), (8, 104003), (9, 104012), (10, 104021),
(14, 104144), (16, 104192), (20, 104267), (22, 104297),

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

Candidate Starts for ET08_183:

(Start: 1 @102919 has 169 MA's), (4, 103024), (7, 103111), (8, 103117), (9, 103126), (10, 103135),
(14, 103258), (16, 103306), (20, 103381), (22, 103411),

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

Candidate Starts for EasyJones_200:

(Start: 1 @104186 has 169 MA's), (4, 104291), (7, 104378), (8, 104384), (9, 104393), (10, 104402),
(14, 104525), (16, 104573), (20, 104648), (22, 104678),

Gene: EggFarm_204 Start: 106246, Stop: 106893, Start Num: 1

Candidate Starts for EggFarm_204:

(Start: 1 @106246 has 169 MA's), (4, 106351), (7, 106438), (8, 106444), (9, 106453), (10, 106462),
(14, 106585), (16, 106633), (20, 106708), (22, 106738),

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

Candidate Starts for EmToTheThree_197:

(Start: 1 @104585 has 169 MA's), (4, 104690), (7, 104777), (8, 104783), (9, 104792), (10, 104801),
(14, 104924), (16, 104972), (20, 105047), (22, 105077),

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

Candidate Starts for EmmaElysia_199:

(Start: 1 @104295 has 169 MA's), (4, 104400), (7, 104487), (8, 104493), (9, 104502), (10, 104511),
(14, 104634), (16, 104682), (20, 104757), (22, 104787),

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

Candidate Starts for Erdmann_197:

(Start: 1 @104060 has 169 MA's), (4, 104165), (7, 104252), (8, 104258), (9, 104267), (10, 104276),
(14, 104399), (16, 104447), (20, 104522), (22, 104552),

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

Candidate Starts for ErnieJ_189:

(Start: 1 @102365 has 169 MA's), (4, 102470), (7, 102557), (8, 102563), (9, 102572), (10, 102581),
(14, 102704), (16, 102752), (20, 102827), (22, 102857),

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

Candidate Starts for Essence_193:

(Start: 1 @103017 has 169 MA's), (4, 103122), (7, 103209), (8, 103215), (9, 103224), (10, 103233),
(14, 103356), (16, 103404), (20, 103479), (22, 103509),

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

Candidate Starts for Ewok_195:

(Start: 1 @103979 has 169 MA's), (4, 104084), (7, 104171), (8, 104177), (9, 104186), (10, 104195),
(14, 104318), (16, 104366), (20, 104441), (22, 104471),

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

Candidate Starts for Flabslab_192:

(Start: 1 @102507 has 169 MA's), (4, 102612), (7, 102699), (8, 102705), (9, 102714), (10, 102723),
(14, 102846), (16, 102894), (20, 102969), (22, 102999),

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

Candidate Starts for Fludd_197:

(Start: 1 @103898 has 169 MA's), (4, 104003), (7, 104090), (8, 104096), (9, 104105), (10, 104114),
(14, 104237), (16, 104285), (20, 104360), (22, 104390),

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

Candidate Starts for FoxtrotP1_194:

(Start: 1 @104659 has 169 MA's), (4, 104764), (7, 104851), (8, 104857), (9, 104866), (10, 104875),
(14, 104998), (16, 105046), (20, 105121), (22, 105151),

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

Candidate Starts for FrayBell_199:

(Start: 1 @103680 has 169 MA's), (4, 103785), (7, 103872), (8, 103878), (9, 103887), (10, 103896),
(14, 104019), (16, 104067), (20, 104142), (22, 104172),

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

Candidate Starts for FudgeTart_191:

(Start: 1 @103126 has 169 MA's), (4, 103231), (7, 103318), (8, 103324), (9, 103333), (10, 103342),
(14, 103465), (16, 103513), (20, 103588), (22, 103618),

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

Candidate Starts for Gabriel_199:

(Start: 1 @102755 has 169 MA's), (4, 102860), (7, 102947), (8, 102953), (9, 102962), (10, 102971),
(14, 103094), (16, 103142), (20, 103217), (22, 103247),

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

Candidate Starts for Gamgam_196:

(Start: 1 @102629 has 169 MA's), (4, 102734), (7, 102821), (8, 102827), (9, 102836), (10, 102845),
(14, 102968), (16, 103016), (20, 103091), (22, 103121),

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

Candidate Starts for Ghost_196:

(Start: 1 @103342 has 169 MA's), (4, 103447), (7, 103534), (8, 103540), (9, 103549), (10, 103558),
(14, 103681), (16, 103729), (20, 103804), (22, 103834),

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

Candidate Starts for Gizmo_201:

(Start: 1 @ 105977 has 169 MA's), (4, 106082), (7, 106169), (8, 106175), (9, 106184), (10, 106193), (14, 106316), (16, 106364), (20, 106439), (22, 106469),

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

Candidate Starts for Grasshills_203:

(Start: 1 @ 106245 has 169 MA's), (4, 106350), (7, 106437), (8, 106443), (9, 106452), (10, 106461), (14, 106584), (16, 106632), (20, 106707), (22, 106737),

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

Candidate Starts for Grungle_181:

(Start: 1 @ 101379 has 169 MA's), (4, 101484), (7, 101571), (8, 101577), (9, 101586), (10, 101595), (14, 101718), (16, 101766), (20, 101841), (22, 101871),

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

Candidate Starts for Guwapp_191:

(Start: 1 @ 101867 has 169 MA's), (4, 101972), (7, 102059), (8, 102065), (9, 102074), (10, 102083), (14, 102206), (16, 102254), (20, 102329), (22, 102359),

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

Candidate Starts for HyRo_184:

(Start: 1 @ 103376 has 169 MA's), (4, 103481), (7, 103568), (8, 103574), (9, 103583), (10, 103592), (14, 103715), (16, 103763), (20, 103838), (22, 103868),

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

Candidate Starts for I3_205:

(Start: 1 @ 105492 has 169 MA's), (4, 105597), (7, 105684), (8, 105690), (9, 105699), (10, 105708), (14, 105831), (16, 105879), (20, 105954), (22, 105984),

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

Candidate Starts for IkeLoa_188:

(Start: 1 @ 102774 has 169 MA's), (4, 102879), (7, 102966), (8, 102972), (9, 102981), (10, 102990), (14, 103113), (16, 103161), (20, 103236), (22, 103266),

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

Candidate Starts for InigoMontoya_198:

(Start: 1 @ 103303 has 169 MA's), (4, 103408), (7, 103495), (8, 103501), (9, 103510), (10, 103519), (14, 103642), (16, 103690), (20, 103765), (22, 103795),

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

Candidate Starts for InterFolia_199:

(Start: 1 @ 105486 has 169 MA's), (4, 105591), (7, 105678), (8, 105684), (9, 105693), (10, 105702), (14, 105825), (16, 105873), (20, 105948), (22, 105978),

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

Candidate Starts for Iota_190:

(Start: 1 @ 102973 has 169 MA's), (4, 103078), (7, 103165), (8, 103171), (9, 103180), (10, 103189), (14, 103312), (16, 103360), (20, 103435), (22, 103465),

Gene: Issimir_192 Start: 103250, Stop: 103897, Start Num: 1

Candidate Starts for Issimir_192:

(Start: 1 @ 103250 has 169 MA's), (4, 103355), (7, 103442), (8, 103448), (9, 103457), (10, 103466), (14, 103589), (16, 103637), (20, 103712), (22, 103742),

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

Candidate Starts for Izajani_194:

(Start: 1 @104119 has 169 MA's), (4, 104224), (7, 104311), (8, 104317), (9, 104326), (10, 104335),
(14, 104458), (16, 104506), (20, 104581), (22, 104611),

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

Candidate Starts for JPickles_192:

(Start: 1 @101771 has 169 MA's), (4, 101876), (7, 101963), (8, 101969), (9, 101978), (10, 101987),
(14, 102110), (16, 102158), (20, 102233), (22, 102263),

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

Candidate Starts for Janiyra_200:

(Start: 1 @104320 has 169 MA's), (4, 104425), (7, 104512), (8, 104518), (9, 104527), (10, 104536),
(14, 104659), (16, 104707), (20, 104782), (22, 104812),

Gene: JayJay_194 Start: 104534, Stop: 105181, Start Num: 1

Candidate Starts for JayJay_194:

(Start: 1 @104534 has 169 MA's), (4, 104639), (7, 104726), (8, 104732), (9, 104741), (10, 104750),
(14, 104873), (16, 104921), (20, 104996), (22, 105026),

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

Candidate Starts for Jaygup_192:

(Start: 1 @102832 has 169 MA's), (4, 102937), (7, 103024), (8, 103030), (9, 103039), (10, 103048),
(14, 103171), (16, 103219), (20, 103294), (22, 103324),

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

Candidate Starts for Jedediah_196:

(Start: 1 @103885 has 169 MA's), (4, 103990), (7, 104077), (8, 104083), (9, 104092), (10, 104101),
(14, 104224), (16, 104272), (20, 104347), (22, 104377),

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

Candidate Starts for Jemmno_195:

(Start: 1 @102714 has 169 MA's), (4, 102819), (7, 102906), (8, 102912), (9, 102921), (10, 102930),
(14, 103053), (16, 103101), (20, 103176), (22, 103206),

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

Candidate Starts for Jessibeth14_196:

(Start: 1 @104728 has 169 MA's), (4, 104833), (7, 104920), (8, 104926), (9, 104935), (10, 104944),
(14, 105067), (16, 105115), (20, 105190), (22, 105220),

Gene: JulietS_189 Start: 101003, Stop: 101650, Start Num: 1

Candidate Starts for JulietS_189:

(Start: 1 @101003 has 169 MA's), (4, 101108), (7, 101195), (8, 101201), (9, 101210), (10, 101219),
(14, 101342), (16, 101390), (20, 101465), (22, 101495),

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

Candidate Starts for JustHall_191:

(Start: 1 @103227 has 169 MA's), (4, 103332), (7, 103419), (8, 103425), (9, 103434), (10, 103443),
(14, 103566), (16, 103614), (20, 103689), (22, 103719),

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

Candidate Starts for Kamryn_195:

(Start: 1 @104548 has 169 MA's), (4, 104653), (7, 104740), (8, 104746), (9, 104755), (10, 104764),
(14, 104887), (16, 104935), (20, 105010), (22, 105040),

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

Candidate Starts for Kboogie_200:

(Start: 1 @103885 has 169 MA's), (4, 103990), (7, 104077), (8, 104083), (9, 104092), (10, 104101),
(14, 104224), (16, 104272), (20, 104347), (22, 104377),

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

Candidate Starts for Khaleesi_195:

(Start: 1 @104195 has 169 MA's), (4, 104300), (7, 104387), (8, 104393), (9, 104402), (10, 104411),
(14, 104534), (16, 104582), (20, 104657), (22, 104687),

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

Candidate Starts for Koguma_194:

(Start: 1 @102752 has 169 MA's), (4, 102857), (7, 102944), (8, 102950), (9, 102959), (10, 102968),
(14, 103091), (16, 103139), (20, 103214), (22, 103244),

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

Candidate Starts for LRRHood_188:

(Start: 1 @103097 has 169 MA's), (4, 103202), (7, 103289), (8, 103295), (9, 103304), (10, 103313),
(14, 103436), (16, 103484), (20, 103559), (22, 103589),

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

Candidate Starts for Latch_195:

(Start: 1 @102639 has 169 MA's), (4, 102744), (7, 102831), (8, 102837), (9, 102846), (10, 102855),
(14, 102978), (16, 103026), (20, 103101), (22, 103131),

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

Candidate Starts for Lee7_196:

(Start: 1 @105575 has 169 MA's), (4, 105680), (7, 105767), (8, 105773), (9, 105782), (10, 105791),
(14, 105914), (16, 105962), (20, 106037), (22, 106067),

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

Candidate Starts for LifeSavor_195:

(Start: 1 @103647 has 169 MA's), (4, 103752), (7, 103839), (8, 103845), (9, 103854), (10, 103863),
(14, 103986), (16, 104034), (20, 104109), (22, 104139),

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

Candidate Starts for LinStu_194:

(Start: 1 @103693 has 169 MA's), (4, 103798), (7, 103885), (8, 103891), (9, 103900), (10, 103909),
(14, 104032), (16, 104080), (20, 104155), (22, 104185),

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

Candidate Starts for Littleton_199:

(Start: 1 @104359 has 169 MA's), (4, 104464), (7, 104551), (8, 104557), (9, 104566), (10, 104575),
(14, 104698), (16, 104746), (20, 104821), (22, 104851),

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

Candidate Starts for Loanshark_193:

(Start: 1 @103510 has 169 MA's), (4, 103615), (7, 103702), (8, 103708), (9, 103717), (10, 103726),
(14, 103849), (16, 103897), (20, 103972), (22, 104002),

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

Candidate Starts for LolaVinca_194:

(Start: 1 @104916 has 169 MA's), (4, 105021), (7, 105108), (8, 105114), (9, 105123), (10, 105132),
(14, 105255), (16, 105303), (20, 105378), (22, 105408),

Gene: LordLeafolot_198 Start: 104528, Stop: 105175, Start Num: 1

Candidate Starts for LordLeafolot_198:

(Start: 1 @104528 has 169 MA's), (4, 104633), (7, 104720), (8, 104726), (9, 104735), (10, 104744),
(14, 104867), (16, 104915), (20, 104990), (22, 105020),

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

Candidate Starts for Lukilu_186:

(Start: 1 @104107 has 169 MA's), (4, 104212), (7, 104299), (8, 104305), (9, 104314), (10, 104323),
(14, 104446), (16, 104494), (20, 104569), (22, 104599),

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

Candidate Starts for Maby2021_195:

(Start: 1 @104639 has 169 MA's), (4, 104744), (7, 104831), (8, 104837), (9, 104846), (10, 104855),
(14, 104978), (16, 105026), (20, 105101), (22, 105131),

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

Candidate Starts for Mangeria_196:

(Start: 1 @104432 has 169 MA's), (4, 104537), (7, 104624), (8, 104630), (9, 104639), (10, 104648),
(14, 104771), (16, 104819), (20, 104894), (22, 104924),

Gene: Matsumoto_196 Start: 103873, Stop: 104520, Start Num: 1

Candidate Starts for Matsumoto_196:

(Start: 1 @103873 has 169 MA's), (4, 103978), (7, 104065), (8, 104071), (9, 104080), (10, 104089),
(14, 104212), (16, 104260), (20, 104335), (22, 104365),

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

Candidate Starts for McGee_196:

(Start: 1 @103067 has 169 MA's), (4, 103172), (7, 103259), (8, 103265), (9, 103274), (10, 103283),
(14, 103406), (16, 103454), (20, 103529), (22, 103559),

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

Candidate Starts for McWolfish_193:

(Start: 1 @103406 has 169 MA's), (4, 103511), (7, 103598), (8, 103604), (9, 103613), (10, 103622),
(14, 103745), (16, 103793), (20, 103868), (22, 103898),

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

Candidate Starts for Megamind_193:

(Start: 1 @103697 has 169 MA's), (4, 103802), (7, 103889), (8, 103895), (9, 103904), (10, 103913),
(14, 104036), (16, 104084), (20, 104159), (22, 104189),

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

Candidate Starts for Melpomini_190:

(Start: 1 @102173 has 169 MA's), (4, 102278), (7, 102365), (8, 102371), (9, 102380), (10, 102389),
(14, 102512), (16, 102560), (20, 102635), (22, 102665),

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

Candidate Starts for MikeLiesIn_197:

(Start: 1 @104833 has 169 MA's), (4, 104938), (7, 105025), (8, 105031), (9, 105040), (10, 105049),
(14, 105172), (16, 105220), (20, 105295), (22, 105325),

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

Candidate Starts for Mikro_191:

(Start: 1 @105073 has 169 MA's), (4, 105178), (7, 105265), (8, 105271), (9, 105280), (10, 105289),
(14, 105412), (16, 105460), (20, 105535), (22, 105565),

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

Candidate Starts for MoMoMixon_193:

(Start: 1 @103560 has 169 MA's), (4, 103665), (7, 103752), (8, 103758), (9, 103767), (10, 103776),
(14, 103899), (16, 103947), (20, 104022), (22, 104052),

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

Candidate Starts for Momo_196:

(Start: 1 @102639 has 169 MA's), (4, 102744), (7, 102831), (8, 102837), (9, 102846), (10, 102855),
(14, 102978), (16, 103026), (20, 103101), (22, 103131),

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

Candidate Starts for Morizzled23_194:

(Start: 1 @102797 has 169 MA's), (4, 102902), (7, 102989), (8, 102995), (9, 103004), (10, 103013),
(14, 103136), (16, 103184), (20, 103259), (22, 103289),

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

Candidate Starts for Naija_196:

(Start: 1 @103342 has 169 MA's), (4, 103447), (7, 103534), (8, 103540), (9, 103549), (10, 103558),
(14, 103681), (16, 103729), (20, 103804), (22, 103834),

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

Candidate Starts for Napoleon13_194:

(Start: 1 @103162 has 169 MA's), (4, 103267), (7, 103354), (8, 103360), (9, 103369), (10, 103378),
(14, 103501), (16, 103549), (20, 103624), (22, 103654),

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

Candidate Starts for Nappy_196:

(Start: 1 @105041 has 169 MA's), (4, 105146), (7, 105233), (8, 105239), (9, 105248), (10, 105257),
(14, 105380), (16, 105428), (20, 105503), (22, 105533),

Gene: Naval22_201 Start: 105428, Stop: 106075, Start Num: 1

Candidate Starts for Naval22_201:

(Start: 1 @105428 has 169 MA's), (4, 105533), (7, 105620), (8, 105626), (9, 105635), (10, 105644),
(14, 105767), (16, 105815), (20, 105890), (22, 105920),

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

Candidate Starts for NedWong_195:

(Start: 1 @104084 has 169 MA's), (4, 104189), (7, 104276), (8, 104282), (9, 104291), (10, 104300),
(14, 104423), (16, 104471), (20, 104546), (22, 104576),

Gene: Ngannou_192 Start: 101621, Stop: 102268, Start Num: 1

Candidate Starts for Ngannou_192:

(Start: 1 @101621 has 169 MA's), (4, 101726), (7, 101813), (8, 101819), (9, 101828), (10, 101837),
(14, 101960), (16, 102008), (20, 102083), (22, 102113),

Gene: Nidhogg_197 Start: 104477, Stop: 105124, Start Num: 1

Candidate Starts for Nidhogg_197:

(Start: 1 @104477 has 169 MA's), (4, 104582), (7, 104669), (8, 104675), (9, 104684), (10, 104693),
(14, 104816), (16, 104864), (20, 104939), (22, 104969),

Gene: NoodleTree_202 Start: 104384, Stop: 105031, Start Num: 1

Candidate Starts for NoodleTree_202:

(Start: 1 @104384 has 169 MA's), (4, 104489), (7, 104576), (8, 104582), (9, 104591), (10, 104600),
(14, 104723), (16, 104771), (20, 104846), (22, 104876),

Gene: Norm_195 Start: 104083, Stop: 104730, Start Num: 1

Candidate Starts for Norm_195:

(Start: 1 @104083 has 169 MA's), (4, 104188), (7, 104275), (8, 104281), (9, 104290), (10, 104299),
(14, 104422), (16, 104470), (20, 104545), (22, 104575),

Gene: NuevoMundo_199 Start: 106112, Stop: 106759, Start Num: 1

Candidate Starts for NuevoMundo_199:

(Start: 1 @106112 has 169 MA's), (4, 106217), (7, 106304), (8, 106310), (9, 106319), (10, 106328),
(14, 106451), (16, 106499), (20, 106574), (22, 106604),

Gene: ParkTD_194 Start: 103948, Stop: 104595, Start Num: 1

Candidate Starts for ParkTD_194:

(Start: 1 @103948 has 169 MA's), (4, 104053), (7, 104140), (8, 104146), (9, 104155), (10, 104164),
(14, 104287), (16, 104335), (20, 104410), (22, 104440),

Gene: Patter_196 Start: 102653, Stop: 103300, Start Num: 1

Candidate Starts for Patter_196:

(Start: 1 @102653 has 169 MA's), (4, 102758), (7, 102845), (8, 102851), (9, 102860), (10, 102869),
(14, 102992), (16, 103040), (20, 103115), (22, 103145),

Gene: Phlegm_199 Start: 103342, Stop: 103989, Start Num: 1

Candidate Starts for Phlegm_199:

(Start: 1 @103342 has 169 MA's), (4, 103447), (7, 103534), (8, 103540), (9, 103549), (10, 103558),
(14, 103681), (16, 103729), (20, 103804), (22, 103834),

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

Candidate Starts for Phox_196:

(Start: 1 @104303 has 169 MA's), (4, 104408), (7, 104495), (8, 104501), (9, 104510), (10, 104519),
(14, 104642), (16, 104690), (20, 104765), (22, 104795),

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

Candidate Starts for Phusco_195:

(Start: 1 @102966 has 169 MA's), (4, 103071), (7, 103158), (8, 103164), (9, 103173), (10, 103182),
(14, 103305), (16, 103353), (20, 103428), (22, 103458),

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

Candidate Starts for Pier_197:

(Start: 1 @105654 has 169 MA's), (4, 105759), (7, 105846), (8, 105852), (9, 105861), (10, 105870),
(14, 105993), (16, 106041), (20, 106116), (22, 106146),

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

Candidate Starts for Pinkcreek_180:

(Start: 1 @102859 has 169 MA's), (4, 102964), (7, 103051), (8, 103057), (9, 103066), (10, 103075),
(14, 103198), (16, 103246), (20, 103321), (22, 103351),

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

Candidate Starts for Pio_204:

(Start: 1 @106849 has 169 MA's), (4, 106954), (7, 107041), (8, 107047), (9, 107056), (10, 107065),
(14, 107188), (16, 107236), (20, 107311), (22, 107341),

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

Candidate Starts for Pivoine_196:

(Start: 1 @103342 has 169 MA's), (4, 103447), (7, 103534), (8, 103540), (9, 103549), (10, 103558),
(14, 103681), (16, 103729), (20, 103804), (22, 103834),

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

Candidate Starts for Pleione_200:

(Start: 1 @104426 has 169 MA's), (4, 104531), (7, 104618), (8, 104624), (9, 104633), (10, 104642),
(14, 104765), (16, 104813), (20, 104888), (22, 104918),

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

Candidate Starts for Pupper_143:

(Start: 1 @98901 has 169 MA's), (3, 98925), (8, 99075), (11, 99111), (12, 99135), (13, 99195), (14,
99198), (16, 99234), (17, 99246), (18, 99264), (19, 99297), (21, 99333), (23, 99387),

Gene: PurduePete_196 Start: 104654, Stop: 105301, Start Num: 1

Candidate Starts for PurduePete_196:

(Start: 1 @104654 has 169 MA's), (4, 104759), (7, 104846), (8, 104852), (9, 104861), (10, 104870),
(14, 104993), (16, 105041), (20, 105116), (22, 105146),

Gene: QBert_187 Start: 102704, Stop: 103351, Start Num: 1

Candidate Starts for QBert_187:

(Start: 1 @102704 has 169 MA's), (4, 102809), (7, 102896), (8, 102902), (9, 102911), (10, 102920),
(14, 103043), (16, 103091), (20, 103166), (22, 103196),

Gene: Quasimodo_199 Start: 104760, Stop: 105407, Start Num: 1

Candidate Starts for Quasimodo_199:

(Start: 1 @104760 has 169 MA's), (4, 104865), (7, 104952), (8, 104958), (9, 104967), (10, 104976),
(14, 105099), (16, 105147), (20, 105222), (22, 105252),

Gene: Rabinovich_190 Start: 105035, Stop: 105682, Start Num: 1

Candidate Starts for Rabinovich_190:

(Start: 1 @105035 has 169 MA's), (4, 105140), (7, 105227), (8, 105233), (9, 105242), (10, 105251),
(14, 105374), (16, 105422), (20, 105497), (22, 105527),

Gene: Rahel_197 Start: 103560, Stop: 104207, Start Num: 1

Candidate Starts for Rahel_197:

(Start: 1 @103560 has 169 MA's), (4, 103665), (7, 103752), (8, 103758), (9, 103767), (10, 103776),
(14, 103899), (16, 103947), (20, 104022), (22, 104052),

Gene: Rizal_189 Start: 102387, Stop: 103034, Start Num: 1

Candidate Starts for Rizal_189:

(Start: 1 @102387 has 169 MA's), (4, 102492), (7, 102579), (8, 102585), (9, 102594), (10, 102603),
(14, 102726), (16, 102774), (20, 102849), (22, 102879),

Gene: RoMag_191 Start: 103871, Stop: 104518, Start Num: 1

Candidate Starts for RoMag_191:

(Start: 1 @103871 has 169 MA's), (4, 103976), (7, 104063), (8, 104069), (9, 104078), (10, 104087),
(14, 104210), (16, 104258), (20, 104333), (22, 104363),

Gene: Ronan_191 Start: 101786, Stop: 102433, Start Num: 1

Candidate Starts for Ronan_191:

(Start: 1 @101786 has 169 MA's), (4, 101891), (7, 101978), (8, 101984), (9, 101993), (10, 102002),
(14, 102125), (16, 102173), (20, 102248), (22, 102278),

Gene: Roots515_198 Start: 105205, Stop: 105852, Start Num: 1

Candidate Starts for Roots515_198:

(Start: 1 @105205 has 169 MA's), (4, 105310), (7, 105397), (8, 105403), (9, 105412), (10, 105421),
(14, 105544), (16, 105592), (20, 105667), (22, 105697),

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

Candidate Starts for SCentae_142:

(Start: 1 @99052 has 169 MA's), (3, 99076), (8, 99226), (11, 99262), (13, 99346), (14, 99349), (16,
99385), (17, 99397), (18, 99415), (19, 99448), (21, 99484), (23, 99538),

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

Candidate Starts for Salacia_196:

(Start: 1 @103963 has 169 MA's), (4, 104068), (7, 104155), (8, 104161), (9, 104170), (10, 104179),
(14, 104302), (16, 104350), (20, 104425), (22, 104455),

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

Candidate Starts for Sauce_192:

(Start: 1 @102777 has 169 MA's), (4, 102882), (7, 102969), (8, 102975), (9, 102984), (10, 102993),
(14, 103116), (16, 103164), (20, 103239), (22, 103269),

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

Candidate Starts for ScottMcG_189:

(Start: 1 @102410 has 169 MA's), (4, 102515), (7, 102602), (8, 102608), (9, 102617), (10, 102626),
(14, 102749), (16, 102797), (20, 102872), (22, 102902),

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

Candidate Starts for Sebata_197:

(Start: 1 @105118 has 169 MA's), (4, 105223), (7, 105310), (8, 105316), (9, 105325), (10, 105334),
(14, 105457), (16, 105505), (20, 105580), (22, 105610),

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

Candidate Starts for Shaqnato_188:

(Start: 1 @103303 has 169 MA's), (4, 103408), (7, 103495), (8, 103501), (9, 103510), (10, 103519),
(14, 103642), (16, 103690), (20, 103765), (22, 103795),

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

Candidate Starts for Shelob_197:

(Start: 1 @105560 has 169 MA's), (4, 105665), (7, 105752), (8, 105758), (9, 105767), (10, 105776),
(14, 105899), (16, 105947), (20, 106022), (22, 106052),

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

Candidate Starts for ShiaLabeouf_193:

(Start: 1 @102768 has 169 MA's), (4, 102873), (7, 102960), (8, 102966), (9, 102975), (10, 102984),
(14, 103107), (16, 103155), (20, 103230), (22, 103260),

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

Candidate Starts for Shnickers_194:

(Start: 1 @102832 has 169 MA's), (4, 102937), (7, 103024), (8, 103030), (9, 103039), (10, 103048),
(14, 103171), (16, 103219), (20, 103294), (22, 103324),

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

Candidate Starts for Shrimp_197:

(Start: 1 @104412 has 169 MA's), (4, 104517), (7, 104604), (8, 104610), (9, 104619), (10, 104628),
(14, 104751), (16, 104799), (20, 104874), (22, 104904),

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

Candidate Starts for SilverDipper_199:

(Start: 1 @103898 has 169 MA's), (4, 104003), (7, 104090), (8, 104096), (9, 104105), (10, 104114),
(14, 104237), (16, 104285), (20, 104360), (22, 104390),

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

Candidate Starts for Skog_203:

(Start: 1 @128252 has 169 MA's), (2, 128258), (6, 128393), (8, 128426), (11, 128462), (15, 128561),
(18, 128615), (19, 128648), (21, 128684), (23, 128738), (24, 128756), (25, 128789),

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

Candidate Starts for SmallFry_196:

(Start: 1 @102926 has 169 MA's), (4, 103031), (7, 103118), (8, 103124), (9, 103133), (10, 103142),
(14, 103265), (16, 103313), (20, 103388), (22, 103418),

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

Candidate Starts for Spec_191:

(Start: 1 @103117 has 169 MA's), (4, 103222), (7, 103309), (8, 103315), (9, 103324), (10, 103333),
(14, 103456), (16, 103504), (20, 103579), (22, 103609),

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

Candidate Starts for Specks_200:

(Start: 1 @105235 has 169 MA's), (4, 105340), (7, 105427), (8, 105433), (9, 105442), (10, 105451),
(14, 105574), (16, 105622), (20, 105697), (22, 105727),

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

Candidate Starts for Sprinklers_193:

(Start: 1 @103007 has 169 MA's), (4, 103112), (7, 103199), (8, 103205), (9, 103214), (10, 103223),
(14, 103346), (16, 103394), (20, 103469), (22, 103499),

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

Candidate Starts for Spud_191:

(Start: 1 @103505 has 169 MA's), (4, 103610), (7, 103697), (8, 103703), (9, 103712), (10, 103721),
(14, 103844), (16, 103892), (20, 103967), (22, 103997),

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

Candidate Starts for SrishMeg2525_193:

(Start: 1 @104186 has 169 MA's), (4, 104291), (7, 104378), (8, 104384), (9, 104393), (10, 104402),
(14, 104525), (16, 104573), (20, 104648), (22, 104678),

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

Candidate Starts for StephanieG_193:

(Start: 1 @104700 has 169 MA's), (4, 104805), (7, 104892), (8, 104898), (9, 104907), (10, 104916),
(14, 105039), (16, 105087), (20, 105162), (22, 105192),

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

Candidate Starts for Stubby_181:

(Start: 1 @103545 has 169 MA's), (4, 103650), (7, 103737), (8, 103743), (9, 103752), (10, 103761),
(14, 103884), (16, 103932), (20, 104007), (22, 104037),

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

Candidate Starts for StubbySaigey_200:

(Start: 1 @103432 has 169 MA's), (4, 103537), (7, 103624), (8, 103630), (9, 103639), (10, 103648),
(14, 103771), (16, 103819), (20, 103894), (22, 103924),

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

Candidate Starts for Teardrop_193:

(Start: 1 @102430 has 169 MA's), (4, 102535), (7, 102622), (8, 102628), (9, 102637), (10, 102646),
(14, 102769), (16, 102817), (20, 102892), (22, 102922),

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

Candidate Starts for TinyTim_194:

(Start: 1 @103035 has 169 MA's), (4, 103140), (7, 103227), (8, 103233), (9, 103242), (10, 103251),
(14, 103374), (16, 103422), (20, 103497), (22, 103527),

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

Candidate Starts for Tonenili_216:

(Start: 1 @109204 has 169 MA's), (4, 109309), (5, 109345), (7, 109396), (8, 109402), (9, 109411), (10,
109420), (16, 109591), (20, 109666), (22, 109696),

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

Candidate Starts for Tortoise16_194:

(Start: 1 @103671 has 169 MA's), (4, 103776), (7, 103863), (8, 103869), (9, 103878), (10, 103887),
(14, 104010), (16, 104058), (20, 104133), (22, 104163),

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

Candidate Starts for Trinitium_193:

(Start: 1 @103265 has 169 MA's), (4, 103370), (7, 103457), (8, 103463), (9, 103472), (10, 103481),
(14, 103604), (16, 103652), (20, 103727), (22, 103757),

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

Candidate Starts for Turret_190:

(Start: 1 @102847 has 169 MA's), (4, 102952), (7, 103039), (8, 103045), (9, 103054), (10, 103063),
(14, 103186), (16, 103234), (20, 103309), (22, 103339),

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

Candidate Starts for Tyke_194:

(Start: 1 @105038 has 169 MA's), (4, 105143), (7, 105230), (8, 105236), (9, 105245), (10, 105254),
(14, 105377), (16, 105425), (20, 105500), (22, 105530),

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

Candidate Starts for ValleyTerrace_196:

(Start: 1 @102639 has 169 MA's), (4, 102744), (7, 102831), (8, 102837), (9, 102846), (10, 102855),
(14, 102978), (16, 103026), (20, 103101), (22, 103131),

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

Candidate Starts for Wally_195:

(Start: 1 @103415 has 169 MA's), (4, 103520), (7, 103607), (8, 103613), (9, 103622), (10, 103631),
(14, 103754), (16, 103802), (20, 103877), (22, 103907),

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

Candidate Starts for Willis_196:

(Start: 1 @103846 has 169 MA's), (4, 103951), (7, 104038), (8, 104044), (9, 104053), (10, 104062),
(14, 104185), (16, 104233), (20, 104308), (22, 104338),

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

Candidate Starts for Yassified_192:

(Start: 1 @102984 has 169 MA's), (4, 103089), (7, 103176), (8, 103182), (9, 103191), (10, 103200),
(14, 103323), (16, 103371), (20, 103446), (22, 103476),

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

Candidate Starts for YemiJoy2021_196:

(Start: 1 @104602 has 169 MA's), (4, 104707), (7, 104794), (8, 104800), (9, 104809), (10, 104818),
(14, 104941), (16, 104989), (20, 105064), (22, 105094),

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

Candidate Starts for YoungMoneyMata_195:

(Start: 1 @103627 has 169 MA's), (4, 103732), (7, 103819), (8, 103825), (9, 103834), (10, 103843),
(14, 103966), (16, 104014), (20, 104089), (22, 104119),

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

Candidate Starts for Yucca_196:

(Start: 1 @104594 has 169 MA's), (4, 104699), (7, 104786), (8, 104792), (9, 104801), (10, 104810),
(14, 104933), (16, 104981), (20, 105056), (22, 105086),

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

Candidate Starts for Zalkecks_195:

(Start: 1 @103675 has 169 MA's), (4, 103780), (7, 103867), (8, 103873), (9, 103882), (10, 103891),
(14, 104014), (16, 104062), (20, 104137), (22, 104167),

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

Candidate Starts for Zeenon_198:

(Start: 1 @104246 has 169 MA's), (4, 104351), (7, 104438), (8, 104444), (9, 104453), (10, 104462),
(14, 104585), (16, 104633), (20, 104708), (22, 104738),

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

Candidate Starts for ZygoTaiga_192:

(Start: 1 @104866 has 169 MA's), (4, 104971), (7, 105058), (8, 105064), (9, 105073), (10, 105082),
(14, 105205), (16, 105253), (20, 105328), (22, 105358),