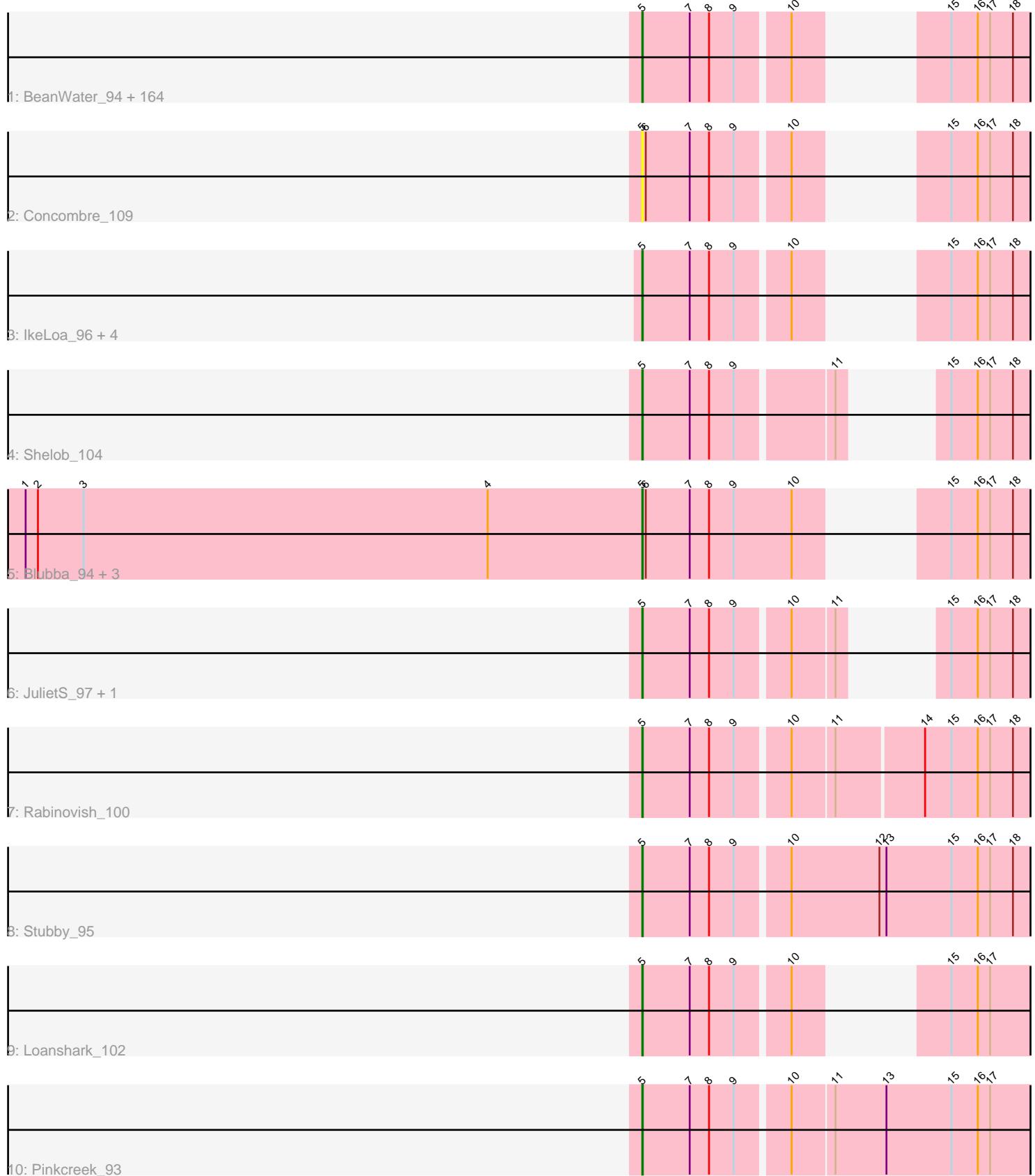


Pham 84934



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 84934 Report

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

Pham number 84934 has 182 members, 15 are drafts.

Phages represented in each track:

- Track 1 : BeanWater_94, Atlantean_101, BackyardAgain_99, Roots515_101, SilverDipper_103, CindyLou_103, JPickles_100, CharlieB_98, RoMag_97, Naija_101, Gabriel_103, Sebata_104, Rizal_98, Tonenili_117, Phox_99, Delylah_105, BigCity_110, I3_108, Naval22_107, EasyJones_105, LifeSavor_101, Ngannou_98, Chargie21_99, ChaylaJr_97, ValleyTerrace_102, Sauce_103, Babyland_103, Catera_99, Teardrop_101, JustHall_99, Megamind_101, MikeLiesIn_103, Nidhogg_103, Rahel_101, Guwapp_101, Essence_99, JayJay_104, Caravan_97, Amataga_102, BananaFence_101, Ewok_103, Jaygup_102, DTDevon_103, InigoMontoya_103, Grasshills_109, ArcherS7_101, ScottMcG_99, Kboogie_106, Tyke_103, ParkTD_103, TinyTim_102, Chomp_100, LolaVinca_103, Derek_102, FoxtrotP1_102, ShiaLabeouf_101, Bigswole_107, Jemmmo_102, Yassified_99, Zalkecks_103, Dietrick_94, EggyFarm_110, YemiJoy2021_103, Morizzled23_102, LRRHood_97, Ading_102, Ghost_101, Adlitam_102, ET08_91, Spec_98, Ronan_96, Gizmo_106, EmmaElysia_102, Erdmann_103, Bonray_102, Blackbrain_97, Specks_107, NedWong_103, Trinitium_99, BadAgartude_98, Willis_103, Capablanca_104, Sprinklers_98, Phlegm_104, Darko_102, Wally_101, Pivoine_101, McGee_104, DrPhinkDaddy_101, FrayBell_107, Bipolarisk_101, Asterius_99, Basquiat_99, Zeenon_104, Grungle_90, StubbySaigey_105, Spud_102, ChickenPhender_98, Janiyra_104, Quasimodo_103, Momo_101, Drazdys_101, Ava3_103, Mangeria_102, Nappy_105, Littleton_102, Cali_98, Norm_103, Phusco_102, Shnickers_102, Matsumoto_99, Jessibeth14_101, Izajani_102, Shifa_91, QBert_96, NoodleTree_109, Turret_97, Jedediah_105, HyRo_94, Audrick_104, ZygoTaiga_101, StephanieG_101, Lukilu_93, Astraea_99, LinStu_102, Tortoise16_99, LordLeafolot_106, Maby2021_102, Napoleon13_98, Gamgam_102, Shaqnato_95, EmToTheThree_105, Cactojaque_97, SrishMeg2525_101, Salacia_106, Melponini_96, Mikro_100, Daffodil_107, Issimir_101, MoMoMixon_103, Bread_102, SmallFry_102, DirtMonster_96, Delilah_102, Patter_102, Pio_106, NuevoMundo_108, Bxz1_100, Shrimp_102, YoungMoneyMata_103, Flabslab_96, Koguma_99, FudgeTart_102, ErnieJ_98, Burrough_102, Pleione_105, InterFolia_110, Iota_97, Yucca_102, Breeniome_101, Fludd_103, Latch_102, Bangla1971_103, Alice_95, Lee7_100
- Track 2 : Concombre_109
- Track 3 : IkeLoa_96, Khaleesi_101, Kamryn_102, McWolfish_100, PurduePete_102
- Track 4 : Shelob_104
- Track 5 : Blubba_94, Pier_107, Cane17_92, Colt_93
- Track 6 : JulietS_97, Dandelion_109
- Track 7 : Rabinovish_100

- Track 8 : Stubby_95
- Track 9 : Loanshark_102
- Track 10 : Pinkcreek_93

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

The start number called the most often in the published annotations is 5, it was called in 167 of the 167 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_102, Adlitam_102, Alice_95, Amataga_102, ArcherS7_101, Asterius_99, Astraea_99, Atlantean_101, Audrick_104, Ava3_103, Babyland_103, BackyardAgain_99, BadAgartude_98, BananaFence_101, Bangla1971_103, Basquiat_99, BeanWater_94, BigCity_110, Bigswole_107, Bipolarisk_101, Blackbrain_97, Blubba_94, Bonray_102, Bread_102, Breeniome_101, Burrough_102, Bxz1_100, Cactojaque_97, Cali_98, Cane17_92, Capablanca_104, Caravan_97, Catera_99, Charge21_99, CharlieB_98, ChaylaJr_97, ChickenPhender_98, Chomp_100, CindyLou_103, Colt_93, Concombre_109, DTDevon_103, Daffodil_107, Dandelion_109, Darko_102, Delilah_102, Delylah_105, Derek_102, Dietrick_94, DirtMonster_96, DrPhinkDaddy_101, Drazdys_101, ET08_91, EasyJones_105, EggyFarm_110, EmToTheThree_105, EmmaElysia_102, Erdmann_103, ErnieJ_98, Essence_99, Ewok_103, Flabslab_96, Fludd_103, FoxtrotP1_102, FrayBell_107, FudgeTart_102, Gabriel_103, Gamgam_102, Ghost_101, Gizmo_106, Grasshills_109, Grungle_90, Guwapp_101, HyRo_94, I3_108, IkeLoa_96, InigoMontoya_103, InterFolia_110, Iota_97, Issimir_101, Izajani_102, JPickles_100, Janiyra_104, JayJay_104, Jaygup_102, Jedediah_105, Jemmno_102, Jessibeth14_101, JulietS_97, JustHall_99, Kamryn_102, Kboogie_106, Khaleesi_101, Koguma_99, LRRHood_97, Latch_102, Lee7_100, LifeSavor_101, LinStu_102, Littleton_102, Loanshark_102, LolaVinca_103, LordLeafolot_106, Lukilu_93, Maby2021_102, Mangeria_102, Matsumoto_99, McGee_104, McWolfish_100, Megamind_101, Melpomini_96, MikeLiesIn_103, Mikro_100, MoMoMixon_103, Momo_101, Morizzled23_102, Naija_101, Napoleon13_98, Nappy_105, Naval22_107, NedWong_103, Ngannou_98, Nidhogg_103, NoodleTree_109, Norm_103, NuevoMundo_108, ParkTD_103, Patter_102, Phlegm_104, Phox_99, Phusco_102, Pier_107, Pinkcreek_93, Pio_106, Pivoine_101, Pleione_105, PurduePete_102, QBert_96, Quasimodo_103, Rabinovish_100, Rahel_101, Rizal_98, RoMag_97, Ronan_96, Roots515_101, Salacia_106, Sauce_103, ScottMcG_99, Sebata_104, Shaqnato_95, Shelob_104, ShiaLabeouf_101, Shifa_91, Shnickers_102, Shrimp_102, SilverDipper_103, SmallFry_102, Spec_98, Specks_107, Sprinklers_98, Spud_102, SrishMeg2525_101, StephanieG_101, StubbySaigey_105, Stubby_95, Teardrop_101, TinyTim_102, Tonenili_117, Tortoise16_99, Trinitium_99, Turret_97, Tyke_103, ValleyTerrace_102, Wally_101, Willis_103, Yassified_99, YemiJoy2021_103, YoungMoneyMata_103, Yucca_102, Zalkecks_103, Zeenon_104, ZygoTaiga_101,

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

-

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

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Summary by start number:

Start 5:

- Found in 182 of 182 (100.0%) of genes in pham
- Manual Annotations of this start: 167 of 167
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ading_102 (C1), Adlitam_102 (C1), Alice_95 (C1), Amataga_102 (C1), ArcherS7_101 (C1), Asterius_99 (C1), Astraea_99 (C1), Atlantean_101 (C1), Audrick_104 (C1), Ava3_103 (C1), Babyland_103 (C1), BackyardAgain_99 (C1), BadAgartude_98 (C1), BananaFence_101 (C1), Bangla1971_103 (C1), Basquiat_99 (C1), BeanWater_94 (C1), BigCity_110 (C1), Bigswole_107 (C1), Bipolarisk_101 (C1), Blackbrain_97 (C1), Blubba_94 (C1), Bonray_102 (C1), Bread_102 (C1), Breeniome_101 (C1), Burrough_102 (C1), Bxz1_100 (C1), Cactojaque_97 (C1), Cali_98 (C1), Cane17_92 (C1), Capablanca_104 (C1), Caravan_97 (C1), Catera_99 (C1), Chargie21_99 (C1), CharlieB_98 (C1), ChaylaJr_97 (C1), ChickenPhender_98 (C1), Chomp_100 (C1), CindyLou_103 (C1), Colt_93 (C1), Concombre_109 (C1), DTDevon_103 (C1), Daffodil_107 (C1), Dandelion_109 (C1), Darko_102 (C1), Delilah_102 (C1), Delylah_105 (C1), Derek_102 (C1), Dietrick_94 (C1), DirtMonster_96 (C1), DrPhinkDaddy_101 (C1), Drazdys_101 (C1), ET08_91 (C1), EasyJones_105 (C1), EggyFarm_110 (C1), EmToTheThree_105 (C1), EmmaElysia_102 (C1), Erdmann_103 (C1), ErnieJ_98 (C1), Essence_99 (C1), Ewok_103 (C1), Flabslab_96 (C1), Fludd_103 (C1), FoxtrotP1_102 (C1), FrayBell_107 (C1), FudgeTart_102 (C1), Gabriel_103 (C1), Gamgam_102 (C1), Ghost_101 (C1), Gizmo_106 (C1), Grasshills_109 (C1), Grunge_90 (C1), Guwapp_101 (C1), HyRo_94 (C1), I3_108 (C1), IkeLoa_96 (C1), InigoMontoya_103 (C1), InterFolia_110 (C1), Iota_97 (C1), Issimir_101 (C1), Izajani_102 (C1), JPickles_100 (C1), Janiyra_104 (C1), JayJay_104 (C1), Jaygup_102 (C1), Jedediah_105 (C1), Jemmno_102 (C1), Jessibeth14_101 (C1), JulietS_97 (C1), JustHall_99 (C1), Kamryn_102 (C1), Kboogie_106 (C1), Khaleesi_101 (C1), Koguma_99 (C1), LRRHood_97 (C1), Latch_102 (C1), Lee7_100 (C1), LifeSavor_101 (C1), LinStu_102 (C1), Littleton_102 (C1), Loanshark_102 (C1), LolaVinca_103 (C1), LordLeafolot_106 (C1), Lukilu_93 (C1), Maby2021_102 (C1), Mangeria_102 (C1), Matsumoto_99 (C1), McGee_104 (C1), McWolfish_100 (C1), Megamind_101 (C1), Melpomini_96 (C1), MikeLiesln_103 (C1), Mikro_100 (C1), MoMoMixon_103 (C1), Momo_101 (C1), Morizzled23_102 (C1), Naija_101 (C1), Napoleon13_98 (C1), Nappy_105 (C1), Naval22_107 (C1), NedWong_103 (C1), Ngannou_98 (C1), Nidhogg_103 (C1), NoodleTree_109 (C1), Norm_103 (C1), NuevoMundo_108 (C1), ParkTD_103 (C1), Patter_102 (C1), Phlegm_104 (C1), Phox_99 (C1), Phusco_102 (C1), Pier_107 (C1), Pinkcreek_93 (C1), Pio_106 (C1), Pivoine_101 (C1), Pleione_105 (C1), PurduePete_102 (C1), QBert_96 (C1), Quasimodo_103 (C1), Rabinovish_100 (C1), Rahel_101 (C1), Rizal_98 (C1), RoMag_97 (C1), Ronan_96 (C1), Roots515_101 (C1), Salacia_106 (C1), Sauce_103 (C1), ScottMcG_99 (C1), Sebata_104 (C1), Shaqnato_95 (C1), Shelob_104 (C1), ShiaLabeouf_101 (C1), Shifa_91 (C1), Shnickers_102 (C1), Shrimp_102 (C1), SilverDipper_103 (C1), SmallFry_102 (C1), Spec_98 (C1), Specks_107 (C1), Sprinklers_98 (C1), Spud_102 (C1), SrishMeg2525_101 (C1), StephanieG_101 (C1), StubbySaigey_105 (C1), Stubby_95 (C1), Teardrop_101 (C1), TinyTim_102 (C1), Tonenili_117 (C1), Tortoise16_99 (C1), Trinitium_99 (C1), Turret_97 (C1), Tyke_103 (C1), ValleyTerrace_102 (C1), Wally_101 (C1), Willis_103 (C1), Yassified_99 (C1), YemiJoy2021_103 (C1), YoungMoneyMata_103 (C1), Yucca_102 (C1), Zalkecks_103 (C1), Zeenon_104 (C1), ZygoTaiga_101 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

- Start number 5 was manually annotated 167 times for cluster C1.

Gene Information:

Gene: Ading_102 Start: 51790, Stop: 52329, Start Num: 5

Candidate Starts for Ading_102:

(Start: 5 @51790 has 167 MA's), (7, 51871), (8, 51904), (9, 51946), (10, 52030), (15, 52144), (16, 52189), (17, 52210), (18, 52249),

Gene: Adlitam_102 Start: 51807, Stop: 52346, Start Num: 5

Candidate Starts for Adlitam_102:

(Start: 5 @51807 has 167 MA's), (7, 51888), (8, 51921), (9, 51963), (10, 52047), (15, 52161), (16, 52206), (17, 52227), (18, 52266),

Gene: Alice_95 Start: 50705, Stop: 51244, Start Num: 5

Candidate Starts for Alice_95:

(Start: 5 @50705 has 167 MA's), (7, 50786), (8, 50819), (9, 50861), (10, 50945), (15, 51059), (16, 51104), (17, 51125), (18, 51164),

Gene: Amataga_102 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for Amataga_102:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: ArcherS7_101 Start: 51370, Stop: 51909, Start Num: 5

Candidate Starts for ArcherS7_101:

(Start: 5 @51370 has 167 MA's), (7, 51451), (8, 51484), (9, 51526), (10, 51610), (15, 51724), (16, 51769), (17, 51790), (18, 51829),

Gene: Asterius_99 Start: 52045, Stop: 52584, Start Num: 5

Candidate Starts for Asterius_99:

(Start: 5 @52045 has 167 MA's), (7, 52126), (8, 52159), (9, 52201), (10, 52285), (15, 52399), (16, 52444), (17, 52465), (18, 52504),

Gene: Astraea_99 Start: 50821, Stop: 51360, Start Num: 5

Candidate Starts for Astraea_99:

(Start: 5 @50821 has 167 MA's), (7, 50902), (8, 50935), (9, 50977), (10, 51061), (15, 51175), (16, 51220), (17, 51241), (18, 51280),

Gene: Atlantean_101 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for Atlantean_101:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: Audrick_104 Start: 51031, Stop: 51570, Start Num: 5

Candidate Starts for Audrick_104:

(Start: 5 @51031 has 167 MA's), (7, 51112), (8, 51145), (9, 51187), (10, 51271), (15, 51385), (16, 51430), (17, 51451), (18, 51490),

Gene: Ava3_103 Start: 51965, Stop: 52504, Start Num: 5

Candidate Starts for Ava3_103:

(Start: 5 @51965 has 167 MA's), (7, 52046), (8, 52079), (9, 52121), (10, 52205), (15, 52319), (16, 52364), (17, 52385), (18, 52424),

Gene: Babyland_103 Start: 51140, Stop: 51679, Start Num: 5

Candidate Starts for Babyland_103:

(Start: 5 @51140 has 167 MA's), (7, 51221), (8, 51254), (9, 51296), (10, 51380), (15, 51494), (16, 51539), (17, 51560), (18, 51599),

Gene: BackyardAgain_99 Start: 50970, Stop: 51509, Start Num: 5

Candidate Starts for BackyardAgain_99:

(Start: 5 @50970 has 167 MA's), (7, 51051), (8, 51084), (9, 51126), (10, 51210), (15, 51324), (16, 51369), (17, 51390), (18, 51429),

Gene: BadAgartude_98 Start: 52490, Stop: 53029, Start Num: 5

Candidate Starts for BadAgartude_98:

(Start: 5 @52490 has 167 MA's), (7, 52571), (8, 52604), (9, 52646), (10, 52730), (15, 52844), (16, 52889), (17, 52910), (18, 52949),

Gene: BananaFence_101 Start: 52224, Stop: 52763, Start Num: 5

Candidate Starts for BananaFence_101:

(Start: 5 @52224 has 167 MA's), (7, 52305), (8, 52338), (9, 52380), (10, 52464), (15, 52578), (16, 52623), (17, 52644), (18, 52683),

Gene: Bangla1971_103 Start: 51500, Stop: 52039, Start Num: 5

Candidate Starts for Bangla1971_103:

(Start: 5 @51500 has 167 MA's), (7, 51581), (8, 51614), (9, 51656), (10, 51740), (15, 51854), (16, 51899), (17, 51920), (18, 51959),

Gene: Basquiat_99 Start: 50939, Stop: 51478, Start Num: 5

Candidate Starts for Basquiat_99:

(Start: 5 @50939 has 167 MA's), (7, 51020), (8, 51053), (9, 51095), (10, 51179), (15, 51293), (16, 51338), (17, 51359), (18, 51398),

Gene: BeanWater_94 Start: 51820, Stop: 52359, Start Num: 5

Candidate Starts for BeanWater_94:

(Start: 5 @51820 has 167 MA's), (7, 51901), (8, 51934), (9, 51976), (10, 52060), (15, 52174), (16, 52219), (17, 52240), (18, 52279),

Gene: BigCity_110 Start: 54481, Stop: 55020, Start Num: 5

Candidate Starts for BigCity_110:

(Start: 5 @54481 has 167 MA's), (7, 54562), (8, 54595), (9, 54637), (10, 54721), (15, 54835), (16, 54880), (17, 54901), (18, 54940),

Gene: Bigswole_107 Start: 55013, Stop: 55552, Start Num: 5

Candidate Starts for Bigswole_107:

(Start: 5 @55013 has 167 MA's), (7, 55094), (8, 55127), (9, 55169), (10, 55253), (15, 55367), (16, 55412), (17, 55433), (18, 55472),

Gene: Bipolarisk_101 Start: 52223, Stop: 52762, Start Num: 5
Candidate Starts for Bipolarisk_101:
(Start: 5 @52223 has 167 MA's), (7, 52304), (8, 52337), (9, 52379), (10, 52463), (15, 52577), (16, 52622), (17, 52643), (18, 52682),

Gene: Blackbrain_97 Start: 50517, Stop: 51056, Start Num: 5
Candidate Starts for Blackbrain_97:
(Start: 5 @50517 has 167 MA's), (7, 50598), (8, 50631), (9, 50673), (10, 50757), (15, 50871), (16, 50916), (17, 50937), (18, 50976),

Gene: Blubba_94 Start: 52245, Stop: 52799, Start Num: 5
Candidate Starts for Blubba_94:
(1, 51192), (2, 51213), (3, 51291), (4, 51981), (Start: 5 @52245 has 167 MA's), (6, 52251), (7, 52326), (8, 52359), (9, 52401), (10, 52500), (15, 52614), (16, 52659), (17, 52680), (18, 52719),

Gene: Bonray_102 Start: 52396, Stop: 52935, Start Num: 5
Candidate Starts for Bonray_102:
(Start: 5 @52396 has 167 MA's), (7, 52477), (8, 52510), (9, 52552), (10, 52636), (15, 52750), (16, 52795), (17, 52816), (18, 52855),

Gene: Bread_102 Start: 52051, Stop: 52590, Start Num: 5
Candidate Starts for Bread_102:
(Start: 5 @52051 has 167 MA's), (7, 52132), (8, 52165), (9, 52207), (10, 52291), (15, 52405), (16, 52450), (17, 52471), (18, 52510),

Gene: Breeniome_101 Start: 50633, Stop: 51172, Start Num: 5
Candidate Starts for Breeniome_101:
(Start: 5 @50633 has 167 MA's), (7, 50714), (8, 50747), (9, 50789), (10, 50873), (15, 50987), (16, 51032), (17, 51053), (18, 51092),

Gene: Burrough_102 Start: 52550, Stop: 53089, Start Num: 5
Candidate Starts for Burrough_102:
(Start: 5 @52550 has 167 MA's), (7, 52631), (8, 52664), (9, 52706), (10, 52790), (15, 52904), (16, 52949), (17, 52970), (18, 53009),

Gene: Bxz1_100 Start: 53988, Stop: 54527, Start Num: 5
Candidate Starts for Bxz1_100:
(Start: 5 @53988 has 167 MA's), (7, 54069), (8, 54102), (9, 54144), (10, 54228), (15, 54342), (16, 54387), (17, 54408), (18, 54447),

Gene: Cactojaque_97 Start: 50624, Stop: 51163, Start Num: 5
Candidate Starts for Cactojaque_97:
(Start: 5 @50624 has 167 MA's), (7, 50705), (8, 50738), (9, 50780), (10, 50864), (15, 50978), (16, 51023), (17, 51044), (18, 51083),

Gene: Cali_98 Start: 52552, Stop: 53091, Start Num: 5
Candidate Starts for Cali_98:
(Start: 5 @52552 has 167 MA's), (7, 52633), (8, 52666), (9, 52708), (10, 52792), (15, 52906), (16, 52951), (17, 52972), (18, 53011),

Gene: Cane17_92 Start: 52318, Stop: 52857, Start Num: 5
Candidate Starts for Cane17_92:

(1, 51265), (2, 51286), (3, 51364), (4, 52054), (Start: 5 @52318 has 167 MA's), (6, 52324), (7, 52399), (8, 52432), (9, 52474), (10, 52558), (15, 52672), (16, 52717), (17, 52738), (18, 52777),

Gene: Capablanca_104 Start: 52802, Stop: 53341, Start Num: 5

Candidate Starts for Capablanca_104:

(Start: 5 @52802 has 167 MA's), (7, 52883), (8, 52916), (9, 52958), (10, 53042), (15, 53156), (16, 53201), (17, 53222), (18, 53261),

Gene: Caravan_97 Start: 51909, Stop: 52448, Start Num: 5

Candidate Starts for Caravan_97:

(Start: 5 @51909 has 167 MA's), (7, 51990), (8, 52023), (9, 52065), (10, 52149), (15, 52263), (16, 52308), (17, 52329), (18, 52368),

Gene: Catera_99 Start: 50825, Stop: 51364, Start Num: 5

Candidate Starts for Catera_99:

(Start: 5 @50825 has 167 MA's), (7, 50906), (8, 50939), (9, 50981), (10, 51065), (15, 51179), (16, 51224), (17, 51245), (18, 51284),

Gene: Charge21_99 Start: 50939, Stop: 51478, Start Num: 5

Candidate Starts for Charge21_99:

(Start: 5 @50939 has 167 MA's), (7, 51020), (8, 51053), (9, 51095), (10, 51179), (15, 51293), (16, 51338), (17, 51359), (18, 51398),

Gene: CharlieB_98 Start: 50954, Stop: 51493, Start Num: 5

Candidate Starts for CharlieB_98:

(Start: 5 @50954 has 167 MA's), (7, 51035), (8, 51068), (9, 51110), (10, 51194), (15, 51308), (16, 51353), (17, 51374), (18, 51413),

Gene: ChaylaJr_97 Start: 50445, Stop: 50984, Start Num: 5

Candidate Starts for ChaylaJr_97:

(Start: 5 @50445 has 167 MA's), (7, 50526), (8, 50559), (9, 50601), (10, 50685), (15, 50799), (16, 50844), (17, 50865), (18, 50904),

Gene: ChickenPhender_98 Start: 50748, Stop: 51287, Start Num: 5

Candidate Starts for ChickenPhender_98:

(Start: 5 @50748 has 167 MA's), (7, 50829), (8, 50862), (9, 50904), (10, 50988), (15, 51102), (16, 51147), (17, 51168), (18, 51207),

Gene: Chomp_100 Start: 52340, Stop: 52879, Start Num: 5

Candidate Starts for Chomp_100:

(Start: 5 @52340 has 167 MA's), (7, 52421), (8, 52454), (9, 52496), (10, 52580), (15, 52694), (16, 52739), (17, 52760), (18, 52799),

Gene: CindyLou_103 Start: 52381, Stop: 52920, Start Num: 5

Candidate Starts for CindyLou_103:

(Start: 5 @52381 has 167 MA's), (7, 52462), (8, 52495), (9, 52537), (10, 52621), (15, 52735), (16, 52780), (17, 52801), (18, 52840),

Gene: Colt_93 Start: 52914, Stop: 53453, Start Num: 5

Candidate Starts for Colt_93:

(1, 51861), (2, 51882), (3, 51960), (4, 52650), (Start: 5 @52914 has 167 MA's), (6, 52920), (7, 52995), (8, 53028), (9, 53070), (10, 53154), (15, 53268), (16, 53313), (17, 53334), (18, 53373),

Gene: Concombre_109 Start: 54722, Stop: 55261, Start Num: 5

Candidate Starts for Concombre_109:

(Start: 5 @54722 has 167 MA's), (6, 54728), (7, 54803), (8, 54836), (9, 54878), (10, 54962), (15, 55076), (16, 55121), (17, 55142), (18, 55181),

Gene: DTDevon_103 Start: 52826, Stop: 53365, Start Num: 5

Candidate Starts for DTDevon_103:

(Start: 5 @52826 has 167 MA's), (7, 52907), (8, 52940), (9, 52982), (10, 53066), (15, 53180), (16, 53225), (17, 53246), (18, 53285),

Gene: Daffodil_107 Start: 52523, Stop: 53062, Start Num: 5

Candidate Starts for Daffodil_107:

(Start: 5 @52523 has 167 MA's), (7, 52604), (8, 52637), (9, 52679), (10, 52763), (15, 52877), (16, 52922), (17, 52943), (18, 52982),

Gene: Dandelion_109 Start: 54960, Stop: 55499, Start Num: 5

Candidate Starts for Dandelion_109:

(Start: 5 @54960 has 167 MA's), (7, 55041), (8, 55074), (9, 55116), (10, 55200), (11, 55269), (15, 55314), (16, 55359), (17, 55380), (18, 55419),

Gene: Darko_102 Start: 52459, Stop: 52998, Start Num: 5

Candidate Starts for Darko_102:

(Start: 5 @52459 has 167 MA's), (7, 52540), (8, 52573), (9, 52615), (10, 52699), (15, 52813), (16, 52858), (17, 52879), (18, 52918),

Gene: Delilah_102 Start: 52677, Stop: 53216, Start Num: 5

Candidate Starts for Delilah_102:

(Start: 5 @52677 has 167 MA's), (7, 52758), (8, 52791), (9, 52833), (10, 52917), (15, 53031), (16, 53076), (17, 53097), (18, 53136),

Gene: Delylah_105 Start: 52216, Stop: 52755, Start Num: 5

Candidate Starts for Delylah_105:

(Start: 5 @52216 has 167 MA's), (7, 52297), (8, 52330), (9, 52372), (10, 52456), (15, 52570), (16, 52615), (17, 52636), (18, 52675),

Gene: Derek_102 Start: 52142, Stop: 52681, Start Num: 5

Candidate Starts for Derek_102:

(Start: 5 @52142 has 167 MA's), (7, 52223), (8, 52256), (9, 52298), (10, 52382), (15, 52496), (16, 52541), (17, 52562), (18, 52601),

Gene: Dietrick_94 Start: 50218, Stop: 50757, Start Num: 5

Candidate Starts for Dietrick_94:

(Start: 5 @50218 has 167 MA's), (7, 50299), (8, 50332), (9, 50374), (10, 50458), (15, 50572), (16, 50617), (17, 50638), (18, 50677),

Gene: DirtMonster_96 Start: 51710, Stop: 52249, Start Num: 5

Candidate Starts for DirtMonster_96:

(Start: 5 @51710 has 167 MA's), (7, 51791), (8, 51824), (9, 51866), (10, 51950), (15, 52064), (16, 52109), (17, 52130), (18, 52169),

Gene: DrPhinkDaddy_101 Start: 52743, Stop: 53282, Start Num: 5

Candidate Starts for DrPhinkDaddy_101:

(Start: 5 @52743 has 167 MA's), (7, 52824), (8, 52857), (9, 52899), (10, 52983), (15, 53097), (16, 53142), (17, 53163), (18, 53202),

Gene: Drazdys_101 Start: 51440, Stop: 51979, Start Num: 5

Candidate Starts for Drazdys_101:

(Start: 5 @51440 has 167 MA's), (7, 51521), (8, 51554), (9, 51596), (10, 51680), (15, 51794), (16, 51839), (17, 51860), (18, 51899),

Gene: ET08_91 Start: 51209, Stop: 51748, Start Num: 5

Candidate Starts for ET08_91:

(Start: 5 @51209 has 167 MA's), (7, 51290), (8, 51323), (9, 51365), (10, 51449), (15, 51563), (16, 51608), (17, 51629), (18, 51668),

Gene: EasyJones_105 Start: 51602, Stop: 52141, Start Num: 5

Candidate Starts for EasyJones_105:

(Start: 5 @51602 has 167 MA's), (7, 51683), (8, 51716), (9, 51758), (10, 51842), (15, 51956), (16, 52001), (17, 52022), (18, 52061),

Gene: EggyFarm_110 Start: 54481, Stop: 55020, Start Num: 5

Candidate Starts for EggyFarm_110:

(Start: 5 @54481 has 167 MA's), (7, 54562), (8, 54595), (9, 54637), (10, 54721), (15, 54835), (16, 54880), (17, 54901), (18, 54940),

Gene: EmToTheThree_105 Start: 53740, Stop: 54279, Start Num: 5

Candidate Starts for EmToTheThree_105:

(Start: 5 @53740 has 167 MA's), (7, 53821), (8, 53854), (9, 53896), (10, 53980), (15, 54094), (16, 54139), (17, 54160), (18, 54199),

Gene: EmmaElysia_102 Start: 51268, Stop: 51810, Start Num: 5

Candidate Starts for EmmaElysia_102:

(Start: 5 @51268 has 167 MA's), (7, 51349), (8, 51382), (9, 51424), (10, 51508), (15, 51622), (16, 51667), (17, 51688), (18, 51727),

Gene: Erdmann_103 Start: 52524, Stop: 53063, Start Num: 5

Candidate Starts for Erdmann_103:

(Start: 5 @52524 has 167 MA's), (7, 52605), (8, 52638), (9, 52680), (10, 52764), (15, 52878), (16, 52923), (17, 52944), (18, 52983),

Gene: ErnieJ_98 Start: 50734, Stop: 51273, Start Num: 5

Candidate Starts for ErnieJ_98:

(Start: 5 @50734 has 167 MA's), (7, 50815), (8, 50848), (9, 50890), (10, 50974), (15, 51088), (16, 51133), (17, 51154), (18, 51193),

Gene: Essence_99 Start: 51606, Stop: 52145, Start Num: 5

Candidate Starts for Essence_99:

(Start: 5 @51606 has 167 MA's), (7, 51687), (8, 51720), (9, 51762), (10, 51846), (15, 51960), (16, 52005), (17, 52026), (18, 52065),

Gene: Ewok_103 Start: 51911, Stop: 52450, Start Num: 5

Candidate Starts for Ewok_103:

(Start: 5 @51911 has 167 MA's), (7, 51992), (8, 52025), (9, 52067), (10, 52151), (15, 52265), (16, 52310), (17, 52331), (18, 52370),

Gene: Flabslab_96 Start: 49603, Stop: 50142, Start Num: 5

Candidate Starts for Flabslab_96:

(Start: 5 @49603 has 167 MA's), (7, 49684), (8, 49717), (9, 49759), (10, 49843), (15, 49957), (16, 50002), (17, 50023), (18, 50062),

Gene: Fludd_103 Start: 51374, Stop: 51913, Start Num: 5

Candidate Starts for Fludd_103:

(Start: 5 @51374 has 167 MA's), (7, 51455), (8, 51488), (9, 51530), (10, 51614), (15, 51728), (16, 51773), (17, 51794), (18, 51833),

Gene: FoxtrotP1_102 Start: 53694, Stop: 54233, Start Num: 5

Candidate Starts for FoxtrotP1_102:

(Start: 5 @53694 has 167 MA's), (7, 53775), (8, 53808), (9, 53850), (10, 53934), (15, 54048), (16, 54093), (17, 54114), (18, 54153),

Gene: FrayBell_107 Start: 53092, Stop: 53631, Start Num: 5

Candidate Starts for FrayBell_107:

(Start: 5 @53092 has 167 MA's), (7, 53173), (8, 53206), (9, 53248), (10, 53332), (15, 53446), (16, 53491), (17, 53512), (18, 53551),

Gene: FudgeTart_102 Start: 51808, Stop: 52347, Start Num: 5

Candidate Starts for FudgeTart_102:

(Start: 5 @51808 has 167 MA's), (7, 51889), (8, 51922), (9, 51964), (10, 52048), (15, 52162), (16, 52207), (17, 52228), (18, 52267),

Gene: Gabriel_103 Start: 51012, Stop: 51551, Start Num: 5

Candidate Starts for Gabriel_103:

(Start: 5 @51012 has 167 MA's), (7, 51093), (8, 51126), (9, 51168), (10, 51252), (15, 51366), (16, 51411), (17, 51432), (18, 51471),

Gene: Gamgam_102 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for Gamgam_102:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: Ghost_101 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for Ghost_101:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: Gizmo_106 Start: 53674, Stop: 54213, Start Num: 5

Candidate Starts for Gizmo_106:

(Start: 5 @53674 has 167 MA's), (7, 53755), (8, 53788), (9, 53830), (10, 53914), (15, 54028), (16, 54073), (17, 54094), (18, 54133),

Gene: Grasshills_109 Start: 54481, Stop: 55020, Start Num: 5

Candidate Starts for Grasshills_109:

(Start: 5 @54481 has 167 MA's), (7, 54562), (8, 54595), (9, 54637), (10, 54721), (15, 54835), (16, 54880), (17, 54901), (18, 54940),

Gene: Grungle_90 Start: 48867, Stop: 49406, Start Num: 5

Candidate Starts for Grungle_90:

(Start: 5 @48867 has 167 MA's), (7, 48948), (8, 48981), (9, 49023), (10, 49107), (15, 49221), (16, 49266), (17, 49287), (18, 49326),

Gene: Guwapp_101 Start: 51177, Stop: 51716, Start Num: 5

Candidate Starts for Guwapp_101:

(Start: 5 @51177 has 167 MA's), (7, 51258), (8, 51291), (9, 51333), (10, 51417), (15, 51531), (16, 51576), (17, 51597), (18, 51636),

Gene: HyRo_94 Start: 51304, Stop: 51843, Start Num: 5

Candidate Starts for HyRo_94:

(Start: 5 @51304 has 167 MA's), (7, 51385), (8, 51418), (9, 51460), (10, 51544), (15, 51658), (16, 51703), (17, 51724), (18, 51763),

Gene: I3_108 Start: 53019, Stop: 53558, Start Num: 5

Candidate Starts for I3_108:

(Start: 5 @53019 has 167 MA's), (7, 53100), (8, 53133), (9, 53175), (10, 53259), (15, 53373), (16, 53418), (17, 53439), (18, 53478),

Gene: IkeLoa_96 Start: 51134, Stop: 51673, Start Num: 5

Candidate Starts for IkeLoa_96:

(Start: 5 @51134 has 167 MA's), (7, 51215), (8, 51248), (9, 51290), (10, 51374), (15, 51488), (16, 51533), (17, 51554), (18, 51593),

Gene: InigoMontoya_103 Start: 51013, Stop: 51552, Start Num: 5

Candidate Starts for InigoMontoya_103:

(Start: 5 @51013 has 167 MA's), (7, 51094), (8, 51127), (9, 51169), (10, 51253), (15, 51367), (16, 51412), (17, 51433), (18, 51472),

Gene: InterFolia_110 Start: 54027, Stop: 54566, Start Num: 5

Candidate Starts for InterFolia_110:

(Start: 5 @54027 has 167 MA's), (7, 54108), (8, 54141), (9, 54183), (10, 54267), (15, 54381), (16, 54426), (17, 54447), (18, 54486),

Gene: Iota_97 Start: 51489, Stop: 52028, Start Num: 5

Candidate Starts for Iota_97:

(Start: 5 @51489 has 167 MA's), (7, 51570), (8, 51603), (9, 51645), (10, 51729), (15, 51843), (16, 51888), (17, 51909), (18, 51948),

Gene: Issimir_101 Start: 52498, Stop: 53037, Start Num: 5

Candidate Starts for Issimir_101:

(Start: 5 @52498 has 167 MA's), (7, 52579), (8, 52612), (9, 52654), (10, 52738), (15, 52852), (16, 52897), (17, 52918), (18, 52957),

Gene: Izajani_102 Start: 52704, Stop: 53243, Start Num: 5

Candidate Starts for Izajani_102:

(Start: 5 @52704 has 167 MA's), (7, 52785), (8, 52818), (9, 52860), (10, 52944), (15, 53058), (16, 53103), (17, 53124), (18, 53163),

Gene: JPickles_100 Start: 50283, Stop: 50822, Start Num: 5

Candidate Starts for JPickles_100:

(Start: 5 @50283 has 167 MA's), (7, 50364), (8, 50397), (9, 50439), (10, 50523), (15, 50637), (16, 50682), (17, 50703), (18, 50742),

Gene: Janiyra_104 Start: 51979, Stop: 52518, Start Num: 5

Candidate Starts for Janiyra_104:

(Start: 5 @51979 has 167 MA's), (7, 52060), (8, 52093), (9, 52135), (10, 52219), (15, 52333), (16, 52378), (17, 52399), (18, 52438),

Gene: JayJay_104 Start: 53744, Stop: 54283, Start Num: 5

Candidate Starts for JayJay_104:

(Start: 5 @53744 has 167 MA's), (7, 53825), (8, 53858), (9, 53900), (10, 53984), (15, 54098), (16, 54143), (17, 54164), (18, 54203),

Gene: Jaygup_102 Start: 51808, Stop: 52347, Start Num: 5

Candidate Starts for Jaygup_102:

(Start: 5 @51808 has 167 MA's), (7, 51889), (8, 51922), (9, 51964), (10, 52048), (15, 52162), (16, 52207), (17, 52228), (18, 52267),

Gene: Jedediah_105 Start: 52341, Stop: 52880, Start Num: 5

Candidate Starts for Jedediah_105:

(Start: 5 @52341 has 167 MA's), (7, 52422), (8, 52455), (9, 52497), (10, 52581), (15, 52695), (16, 52740), (17, 52761), (18, 52800),

Gene: Jemmno_102 Start: 51788, Stop: 52327, Start Num: 5

Candidate Starts for Jemmno_102:

(Start: 5 @51788 has 167 MA's), (7, 51869), (8, 51902), (9, 51944), (10, 52028), (15, 52142), (16, 52187), (17, 52208), (18, 52247),

Gene: Jessibeth14_101 Start: 52309, Stop: 52848, Start Num: 5

Candidate Starts for Jessibeth14_101:

(Start: 5 @52309 has 167 MA's), (7, 52390), (8, 52423), (9, 52465), (10, 52549), (15, 52663), (16, 52708), (17, 52729), (18, 52768),

Gene: JulietS_97 Start: 49746, Stop: 50285, Start Num: 5

Candidate Starts for JulietS_97:

(Start: 5 @49746 has 167 MA's), (7, 49827), (8, 49860), (9, 49902), (10, 49986), (11, 50055), (15, 50100), (16, 50145), (17, 50166), (18, 50205),

Gene: JustHall_99 Start: 51847, Stop: 52386, Start Num: 5

Candidate Starts for JustHall_99:

(Start: 5 @51847 has 167 MA's), (7, 51928), (8, 51961), (9, 52003), (10, 52087), (15, 52201), (16, 52246), (17, 52267), (18, 52306),

Gene: Kamryn_102 Start: 53124, Stop: 53663, Start Num: 5

Candidate Starts for Kamryn_102:

(Start: 5 @53124 has 167 MA's), (7, 53205), (8, 53238), (9, 53280), (10, 53364), (15, 53478), (16, 53523), (17, 53544), (18, 53583),

Gene: Kboogie_106 Start: 51483, Stop: 52022, Start Num: 5

Candidate Starts for Kboogie_106:

(Start: 5 @51483 has 167 MA's), (7, 51564), (8, 51597), (9, 51639), (10, 51723), (15, 51837), (16, 51882), (17, 51903), (18, 51942),

Gene: Khaleesi_101 Start: 52423, Stop: 52962, Start Num: 5

Candidate Starts for Khaleesi_101:

(Start: 5 @52423 has 167 MA's), (7, 52504), (8, 52537), (9, 52579), (10, 52663), (15, 52777), (16, 52822), (17, 52843), (18, 52882),

Gene: Koguma_99 Start: 49968, Stop: 50507, Start Num: 5

Candidate Starts for Koguma_99:

(Start: 5 @49968 has 167 MA's), (7, 50049), (8, 50082), (9, 50124), (10, 50208), (15, 50322), (16, 50367), (17, 50388), (18, 50427),

Gene: LRRHood_97 Start: 52022, Stop: 52561, Start Num: 5

Candidate Starts for LRRHood_97:

(Start: 5 @52022 has 167 MA's), (7, 52103), (8, 52136), (9, 52178), (10, 52262), (15, 52376), (16, 52421), (17, 52442), (18, 52481),

Gene: Latch_102 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for Latch_102:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: Lee7_100 Start: 53054, Stop: 53593, Start Num: 5

Candidate Starts for Lee7_100:

(Start: 5 @53054 has 167 MA's), (7, 53135), (8, 53168), (9, 53210), (10, 53294), (15, 53408), (16, 53453), (17, 53474), (18, 53513),

Gene: LifeSavor_101 Start: 51740, Stop: 52279, Start Num: 5

Candidate Starts for LifeSavor_101:

(Start: 5 @51740 has 167 MA's), (7, 51821), (8, 51854), (9, 51896), (10, 51980), (15, 52094), (16, 52139), (17, 52160), (18, 52199),

Gene: LinStu_102 Start: 52630, Stop: 53169, Start Num: 5

Candidate Starts for LinStu_102:

(Start: 5 @52630 has 167 MA's), (7, 52711), (8, 52744), (9, 52786), (10, 52870), (15, 52984), (16, 53029), (17, 53050), (18, 53089),

Gene: Littleton_102 Start: 51872, Stop: 52411, Start Num: 5

Candidate Starts for Littleton_102:

(Start: 5 @51872 has 167 MA's), (7, 51953), (8, 51986), (9, 52028), (10, 52112), (15, 52226), (16, 52271), (17, 52292), (18, 52331),

Gene: Loanshark_102 Start: 52647, Stop: 53186, Start Num: 5

Candidate Starts for Loanshark_102:

(Start: 5 @52647 has 167 MA's), (7, 52728), (8, 52761), (9, 52803), (10, 52887), (15, 53001), (16, 53046), (17, 53067),

Gene: LolaVinca_103 Start: 52746, Stop: 53285, Start Num: 5

Candidate Starts for LolaVinca_103:

(Start: 5 @52746 has 167 MA's), (7, 52827), (8, 52860), (9, 52902), (10, 52986), (15, 53100), (16, 53145), (17, 53166), (18, 53205),

Gene: LordLeafolot_106 Start: 53710, Stop: 54249, Start Num: 5

Candidate Starts for LordLeafolot_106:

(Start: 5 @53710 has 167 MA's), (7, 53791), (8, 53824), (9, 53866), (10, 53950), (15, 54064), (16, 54109), (17, 54130), (18, 54169),

Gene: Lukilu_93 Start: 52153, Stop: 52692, Start Num: 5

Candidate Starts for Lukilu_93:

(Start: 5 @52153 has 167 MA's), (7, 52234), (8, 52267), (9, 52309), (10, 52393), (15, 52507), (16, 52552), (17, 52573), (18, 52612),

Gene: Maby2021_102 Start: 52517, Stop: 53056, Start Num: 5

Candidate Starts for Maby2021_102:

(Start: 5 @52517 has 167 MA's), (7, 52598), (8, 52631), (9, 52673), (10, 52757), (15, 52871), (16, 52916), (17, 52937), (18, 52976),

Gene: Mangeria_102 Start: 52586, Stop: 53125, Start Num: 5

Candidate Starts for Mangeria_102:

(Start: 5 @52586 has 167 MA's), (7, 52667), (8, 52700), (9, 52742), (10, 52826), (15, 52940), (16, 52985), (17, 53006), (18, 53045),

Gene: Matsumoto_99 Start: 51368, Stop: 51907, Start Num: 5

Candidate Starts for Matsumoto_99:

(Start: 5 @51368 has 167 MA's), (7, 51449), (8, 51482), (9, 51524), (10, 51608), (15, 51722), (16, 51767), (17, 51788), (18, 51827),

Gene: McGee_104 Start: 51124, Stop: 51663, Start Num: 5

Candidate Starts for McGee_104:

(Start: 5 @51124 has 167 MA's), (7, 51205), (8, 51238), (9, 51280), (10, 51364), (15, 51478), (16, 51523), (17, 51544), (18, 51583),

Gene: McWolfish_100 Start: 52306, Stop: 52845, Start Num: 5

Candidate Starts for McWolfish_100:

(Start: 5 @52306 has 167 MA's), (7, 52387), (8, 52420), (9, 52462), (10, 52546), (15, 52660), (16, 52705), (17, 52726), (18, 52765),

Gene: Megamind_101 Start: 52190, Stop: 52729, Start Num: 5

Candidate Starts for Megamind_101:

(Start: 5 @52190 has 167 MA's), (7, 52271), (8, 52304), (9, 52346), (10, 52430), (15, 52544), (16, 52589), (17, 52610), (18, 52649),

Gene: Melpomini_96 Start: 49659, Stop: 50198, Start Num: 5

Candidate Starts for Melpomini_96:

(Start: 5 @49659 has 167 MA's), (7, 49740), (8, 49773), (9, 49815), (10, 49899), (15, 50013), (16, 50058), (17, 50079), (18, 50118),

Gene: MikeLiesIn_103 Start: 52537, Stop: 53076, Start Num: 5

Candidate Starts for MikeLiesIn_103:

(Start: 5 @52537 has 167 MA's), (7, 52618), (8, 52651), (9, 52693), (10, 52777), (15, 52891), (16, 52936), (17, 52957), (18, 52996),

Gene: Mikro_100 Start: 53759, Stop: 54298, Start Num: 5

Candidate Starts for Mikro_100:

(Start: 5 @53759 has 167 MA's), (7, 53840), (8, 53873), (9, 53915), (10, 53999), (15, 54113), (16, 54158), (17, 54179), (18, 54218),

Gene: MoMoMixon_103 Start: 52013, Stop: 52552, Start Num: 5

Candidate Starts for MoMoMixon_103:

(Start: 5 @52013 has 167 MA's), (7, 52094), (8, 52127), (9, 52169), (10, 52253), (15, 52367), (16, 52412), (17, 52433), (18, 52472),

Gene: Momo_101 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for Momo_101:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: Morizzled23_102 Start: 51417, Stop: 51956, Start Num: 5

Candidate Starts for Morizzled23_102:

(Start: 5 @51417 has 167 MA's), (7, 51498), (8, 51531), (9, 51573), (10, 51657), (15, 51771), (16, 51816), (17, 51837), (18, 51876),

Gene: Naija_101 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for Naija_101:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: Napoleon13_98 Start: 50097, Stop: 50636, Start Num: 5

Candidate Starts for Napoleon13_98:

(Start: 5 @50097 has 167 MA's), (7, 50178), (8, 50211), (9, 50253), (10, 50337), (15, 50451), (16, 50496), (17, 50517), (18, 50556),

Gene: Nappy_105 Start: 53447, Stop: 53986, Start Num: 5

Candidate Starts for Nappy_105:

(Start: 5 @53447 has 167 MA's), (7, 53528), (8, 53561), (9, 53603), (10, 53687), (15, 53801), (16, 53846), (17, 53867), (18, 53906),

Gene: Naval22_107 Start: 54028, Stop: 54567, Start Num: 5

Candidate Starts for Naval22_107:

(Start: 5 @54028 has 167 MA's), (7, 54109), (8, 54142), (9, 54184), (10, 54268), (15, 54382), (16, 54427), (17, 54448), (18, 54487),

Gene: NedWong_103 Start: 52524, Stop: 53063, Start Num: 5

Candidate Starts for NedWong_103:

(Start: 5 @52524 has 167 MA's), (7, 52605), (8, 52638), (9, 52680), (10, 52764), (15, 52878), (16, 52923), (17, 52944), (18, 52983),

Gene: Ngannou_98 Start: 50034, Stop: 50573, Start Num: 5

Candidate Starts for Ngannou_98:

(Start: 5 @50034 has 167 MA's), (7, 50115), (8, 50148), (9, 50190), (10, 50274), (15, 50388), (16, 50433), (17, 50454), (18, 50493),

Gene: Nidhogg_103 Start: 52258, Stop: 52797, Start Num: 5

Candidate Starts for Nidhogg_103:

(Start: 5 @52258 has 167 MA's), (7, 52339), (8, 52372), (9, 52414), (10, 52498), (15, 52612), (16, 52657), (17, 52678), (18, 52717),

Gene: NoodleTree_109 Start: 52850, Stop: 53389, Start Num: 5

Candidate Starts for NoodleTree_109:

(Start: 5 @52850 has 167 MA's), (7, 52931), (8, 52964), (9, 53006), (10, 53090), (15, 53204), (16, 53249), (17, 53270), (18, 53309),

Gene: Norm_103 Start: 53453, Stop: 53992, Start Num: 5

Candidate Starts for Norm_103:

(Start: 5 @53453 has 167 MA's), (7, 53534), (8, 53567), (9, 53609), (10, 53693), (15, 53807), (16, 53852), (17, 53873), (18, 53912),

Gene: NuevoMundo_108 Start: 54801, Stop: 55340, Start Num: 5

Candidate Starts for NuevoMundo_108:

(Start: 5 @54801 has 167 MA's), (7, 54882), (8, 54915), (9, 54957), (10, 55041), (15, 55155), (16, 55200), (17, 55221), (18, 55260),

Gene: ParkTD_103 Start: 52520, Stop: 53059, Start Num: 5

Candidate Starts for ParkTD_103:

(Start: 5 @52520 has 167 MA's), (7, 52601), (8, 52634), (9, 52676), (10, 52760), (15, 52874), (16, 52919), (17, 52940), (18, 52979),

Gene: Patter_102 Start: 51069, Stop: 51608, Start Num: 5

Candidate Starts for Patter_102:

(Start: 5 @51069 has 167 MA's), (7, 51150), (8, 51183), (9, 51225), (10, 51309), (15, 51423), (16, 51468), (17, 51489), (18, 51528),

Gene: Phlegm_104 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for Phlegm_104:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: Phox_99 Start: 52800, Stop: 53339, Start Num: 5

Candidate Starts for Phox_99:

(Start: 5 @52800 has 167 MA's), (7, 52881), (8, 52914), (9, 52956), (10, 53040), (15, 53154), (16, 53199), (17, 53220), (18, 53259),

Gene: Phusco_102 Start: 51817, Stop: 52356, Start Num: 5

Candidate Starts for Phusco_102:

(Start: 5 @51817 has 167 MA's), (7, 51898), (8, 51931), (9, 51973), (10, 52057), (15, 52171), (16, 52216), (17, 52237), (18, 52276),

Gene: Pier_107 Start: 54794, Stop: 55348, Start Num: 5

Candidate Starts for Pier_107:

(1, 53741), (2, 53762), (3, 53840), (4, 54530), (Start: 5 @54794 has 167 MA's), (6, 54800), (7, 54875), (8, 54908), (9, 54950), (10, 55049), (15, 55163), (16, 55208), (17, 55229), (18, 55268),

Gene: Pinkcreek_93 Start: 49611, Stop: 50303, Start Num: 5

Candidate Starts for Pinkcreek_93:

(Start: 5 @49611 has 167 MA's), (7, 49692), (8, 49725), (9, 49767), (10, 49851), (11, 49920), (13, 50007), (15, 50118), (16, 50163), (17, 50184),

Gene: Pio_106 Start: 54410, Stop: 54949, Start Num: 5

Candidate Starts for Pio_106:

(Start: 5 @54410 has 167 MA's), (7, 54491), (8, 54524), (9, 54566), (10, 54650), (15, 54764), (16, 54809), (17, 54830), (18, 54869),

Gene: Pivoine_101 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for Pivoine_101:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: Pleione_105 Start: 52687, Stop: 53226, Start Num: 5

Candidate Starts for Pleione_105:

(Start: 5 @52687 has 167 MA's), (7, 52768), (8, 52801), (9, 52843), (10, 52927), (15, 53041), (16, 53086), (17, 53107), (18, 53146),

Gene: PurduePete_102 Start: 52944, Stop: 53483, Start Num: 5

Candidate Starts for PurduePete_102:

(Start: 5 @52944 has 167 MA's), (7, 53025), (8, 53058), (9, 53100), (10, 53184), (15, 53298), (16, 53343), (17, 53364), (18, 53403),

Gene: QBert_96 Start: 51595, Stop: 52134, Start Num: 5

Candidate Starts for QBert_96:

(Start: 5 @51595 has 167 MA's), (7, 51676), (8, 51709), (9, 51751), (10, 51835), (15, 51949), (16, 51994), (17, 52015), (18, 52054),

Gene: Quasimodo_103 Start: 52476, Stop: 53015, Start Num: 5

Candidate Starts for Quasimodo_103:

(Start: 5 @52476 has 167 MA's), (7, 52557), (8, 52590), (9, 52632), (10, 52716), (15, 52830), (16, 52875), (17, 52896), (18, 52935),

Gene: Rabinovish_100 Start: 52575, Stop: 53258, Start Num: 5

Candidate Starts for Rabinovish_100:

(Start: 5 @52575 has 167 MA's), (7, 52656), (8, 52689), (9, 52731), (10, 52815), (11, 52884), (14, 53028), (15, 53073), (16, 53118), (17, 53139), (18, 53178),

Gene: Rahel_101 Start: 51409, Stop: 51948, Start Num: 5

Candidate Starts for Rahel_101:

(Start: 5 @51409 has 167 MA's), (7, 51490), (8, 51523), (9, 51565), (10, 51649), (15, 51763), (16, 51808), (17, 51829), (18, 51868),

Gene: Rizal_98 Start: 50557, Stop: 51096, Start Num: 5

Candidate Starts for Rizal_98:

(Start: 5 @50557 has 167 MA's), (7, 50638), (8, 50671), (9, 50713), (10, 50797), (15, 50911), (16, 50956), (17, 50977), (18, 51016),

Gene: RoMag_97 Start: 51732, Stop: 52271, Start Num: 5

Candidate Starts for RoMag_97:

(Start: 5 @51732 has 167 MA's), (7, 51813), (8, 51846), (9, 51888), (10, 51972), (15, 52086), (16, 52131), (17, 52152), (18, 52191),

Gene: Ronan_96 Start: 49683, Stop: 50222, Start Num: 5

Candidate Starts for Ronan_96:

(Start: 5 @49683 has 167 MA's), (7, 49764), (8, 49797), (9, 49839), (10, 49923), (15, 50037), (16, 50082), (17, 50103), (18, 50142),

Gene: Roots515_101 Start: 52717, Stop: 53256, Start Num: 5

Candidate Starts for Roots515_101:

(Start: 5 @52717 has 167 MA's), (7, 52798), (8, 52831), (9, 52873), (10, 52957), (15, 53071), (16, 53116), (17, 53137), (18, 53176),

Gene: Salacia_106 Start: 52858, Stop: 53397, Start Num: 5

Candidate Starts for Salacia_106:

(Start: 5 @52858 has 167 MA's), (7, 52939), (8, 52972), (9, 53014), (10, 53098), (15, 53212), (16, 53257), (17, 53278), (18, 53317),

Gene: Sauce_103 Start: 51720, Stop: 52259, Start Num: 5

Candidate Starts for Sauce_103:

(Start: 5 @51720 has 167 MA's), (7, 51801), (8, 51834), (9, 51876), (10, 51960), (15, 52074), (16, 52119), (17, 52140), (18, 52179),

Gene: ScottMcG_99 Start: 51482, Stop: 52021, Start Num: 5

Candidate Starts for ScottMcG_99:

(Start: 5 @51482 has 167 MA's), (7, 51563), (8, 51596), (9, 51638), (10, 51722), (15, 51836), (16, 51881), (17, 51902), (18, 51941),

Gene: Sebata_104 Start: 53189, Stop: 53728, Start Num: 5

Candidate Starts for Sebata_104:

(Start: 5 @53189 has 167 MA's), (7, 53270), (8, 53303), (9, 53345), (10, 53429), (15, 53543), (16, 53588), (17, 53609), (18, 53648),

Gene: Shaqnato_95 Start: 50595, Stop: 51134, Start Num: 5

Candidate Starts for Shaqnato_95:

(Start: 5 @50595 has 167 MA's), (7, 50676), (8, 50709), (9, 50751), (10, 50835), (15, 50949), (16, 50994), (17, 51015), (18, 51054),

Gene: Shelob_104 Start: 53305, Stop: 53844, Start Num: 5

Candidate Starts for Shelob_104:

(Start: 5 @53305 has 167 MA's), (7, 53386), (8, 53419), (9, 53461), (11, 53614), (15, 53659), (16, 53704), (17, 53725), (18, 53764),

Gene: ShiaLabeouf_101 Start: 51844, Stop: 52383, Start Num: 5

Candidate Starts for ShiaLabeouf_101:

(Start: 5 @51844 has 167 MA's), (7, 51925), (8, 51958), (9, 52000), (10, 52084), (15, 52198), (16, 52243), (17, 52264), (18, 52303),

Gene: Shifa_91 Start: 50570, Stop: 51109, Start Num: 5

Candidate Starts for Shifa_91:

(Start: 5 @50570 has 167 MA's), (7, 50651), (8, 50684), (9, 50726), (10, 50810), (15, 50924), (16, 50969), (17, 50990), (18, 51029),

Gene: Shnickers_102 Start: 51808, Stop: 52347, Start Num: 5

Candidate Starts for Shnickers_102:

(Start: 5 @51808 has 167 MA's), (7, 51889), (8, 51922), (9, 51964), (10, 52048), (15, 52162), (16, 52207), (17, 52228), (18, 52267),

Gene: Shrimp_102 Start: 52528, Stop: 53067, Start Num: 5

Candidate Starts for Shrimp_102:

(Start: 5 @52528 has 167 MA's), (7, 52609), (8, 52642), (9, 52684), (10, 52768), (15, 52882), (16, 52927), (17, 52948), (18, 52987),

Gene: SilverDipper_103 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for SilverDipper_103:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: SmallFry_102 Start: 51033, Stop: 51572, Start Num: 5

Candidate Starts for SmallFry_102:

(Start: 5 @51033 has 167 MA's), (7, 51114), (8, 51147), (9, 51189), (10, 51273), (15, 51387), (16, 51432), (17, 51453), (18, 51492),

Gene: Spec_98 Start: 51573, Stop: 52112, Start Num: 5

Candidate Starts for Spec_98:

(Start: 5 @51573 has 167 MA's), (7, 51654), (8, 51687), (9, 51729), (10, 51813), (15, 51927), (16, 51972), (17, 51993), (18, 52032),

Gene: Specks_107 Start: 53707, Stop: 54246, Start Num: 5

Candidate Starts for Specks_107:

(Start: 5 @53707 has 167 MA's), (7, 53788), (8, 53821), (9, 53863), (10, 53947), (15, 54061), (16, 54106), (17, 54127), (18, 54166),

Gene: Sprinklers_98 Start: 51092, Stop: 51631, Start Num: 5

Candidate Starts for Sprinklers_98:

(Start: 5 @51092 has 167 MA's), (7, 51173), (8, 51206), (9, 51248), (10, 51332), (15, 51446), (16, 51491), (17, 51512), (18, 51551),

Gene: Spud_102 Start: 52607, Stop: 53146, Start Num: 5

Candidate Starts for Spud_102:

(Start: 5 @52607 has 167 MA's), (7, 52688), (8, 52721), (9, 52763), (10, 52847), (15, 52961), (16, 53006), (17, 53027), (18, 53066),

Gene: SrishMeg2525_101 Start: 52626, Stop: 53165, Start Num: 5

Candidate Starts for SrishMeg2525_101:

(Start: 5 @52626 has 167 MA's), (7, 52707), (8, 52740), (9, 52782), (10, 52866), (15, 52980), (16, 53025), (17, 53046), (18, 53085),

Gene: StephanieG_101 Start: 53437, Stop: 53976, Start Num: 5

Candidate Starts for StephanieG_101:

(Start: 5 @53437 has 167 MA's), (7, 53518), (8, 53551), (9, 53593), (10, 53677), (15, 53791), (16, 53836), (17, 53857), (18, 53896),

Gene: Stubby_95 Start: 50727, Stop: 51425, Start Num: 5

Candidate Starts for Stubby_95:

(Start: 5 @50727 has 167 MA's), (7, 50808), (8, 50841), (9, 50883), (10, 50967), (12, 51117), (13, 51129), (15, 51240), (16, 51285), (17, 51306), (18, 51345),

Gene: StubbySaigey_105 Start: 51224, Stop: 51763, Start Num: 5

Candidate Starts for StubbySaigey_105:

(Start: 5 @51224 has 167 MA's), (7, 51305), (8, 51338), (9, 51380), (10, 51464), (15, 51578), (16, 51623), (17, 51644), (18, 51683),

Gene: Teardrop_101 Start: 51031, Stop: 51570, Start Num: 5

Candidate Starts for Teardrop_101:

(Start: 5 @51031 has 167 MA's), (7, 51112), (8, 51145), (9, 51187), (10, 51271), (15, 51385), (16, 51430), (17, 51451), (18, 51490),

Gene: TinyTim_102 Start: 52284, Stop: 52823, Start Num: 5

Candidate Starts for TinyTim_102:

(Start: 5 @52284 has 167 MA's), (7, 52365), (8, 52398), (9, 52440), (10, 52524), (15, 52638), (16, 52683), (17, 52704), (18, 52743),

Gene: Tonenili_117 Start: 56031, Stop: 56570, Start Num: 5

Candidate Starts for Tonenili_117:

(Start: 5 @56031 has 167 MA's), (7, 56112), (8, 56145), (9, 56187), (10, 56271), (15, 56385), (16, 56430), (17, 56451), (18, 56490),

Gene: Tortoise16_99 Start: 51632, Stop: 52171, Start Num: 5

Candidate Starts for Tortoise16_99:

(Start: 5 @51632 has 167 MA's), (7, 51713), (8, 51746), (9, 51788), (10, 51872), (15, 51986), (16, 52031), (17, 52052), (18, 52091),

Gene: Trinitium_99 Start: 50990, Stop: 51529, Start Num: 5

Candidate Starts for Trinitium_99:

(Start: 5 @50990 has 167 MA's), (7, 51071), (8, 51104), (9, 51146), (10, 51230), (15, 51344), (16, 51389), (17, 51410), (18, 51449),

Gene: Turret_97 Start: 50435, Stop: 50974, Start Num: 5

Candidate Starts for Turret_97:

(Start: 5 @50435 has 167 MA's), (7, 50516), (8, 50549), (9, 50591), (10, 50675), (15, 50789), (16, 50834), (17, 50855), (18, 50894),

Gene: Tyke_103 Start: 53173, Stop: 53712, Start Num: 5

Candidate Starts for Tyke_103:

(Start: 5 @53173 has 167 MA's), (7, 53254), (8, 53287), (9, 53329), (10, 53413), (15, 53527), (16, 53572), (17, 53593), (18, 53632),

Gene: ValleyTerrace_102 Start: 51052, Stop: 51591, Start Num: 5

Candidate Starts for ValleyTerrace_102:

(Start: 5 @51052 has 167 MA's), (7, 51133), (8, 51166), (9, 51208), (10, 51292), (15, 51406), (16, 51451), (17, 51472), (18, 51511),

Gene: Wally_101 Start: 51062, Stop: 51601, Start Num: 5

Candidate Starts for Wally_101:

(Start: 5 @51062 has 167 MA's), (7, 51143), (8, 51176), (9, 51218), (10, 51302), (15, 51416), (16, 51461), (17, 51482), (18, 51521),

Gene: Willis_103 Start: 52419, Stop: 52958, Start Num: 5

Candidate Starts for Willis_103:

(Start: 5 @52419 has 167 MA's), (7, 52500), (8, 52533), (9, 52575), (10, 52659), (15, 52773), (16, 52818), (17, 52839), (18, 52878),

Gene: Yassified_99 Start: 51139, Stop: 51678, Start Num: 5

Candidate Starts for Yassified_99:

(Start: 5 @51139 has 167 MA's), (7, 51220), (8, 51253), (9, 51295), (10, 51379), (15, 51493), (16, 51538), (17, 51559), (18, 51598),

Gene: YemiJoy2021_103 Start: 52521, Stop: 53060, Start Num: 5

Candidate Starts for YemiJoy2021_103:

(Start: 5 @52521 has 167 MA's), (7, 52602), (8, 52635), (9, 52677), (10, 52761), (15, 52875), (16, 52920), (17, 52941), (18, 52980),

Gene: YoungMoneyMata_103 Start: 51685, Stop: 52224, Start Num: 5

Candidate Starts for YoungMoneyMata_103:

(Start: 5 @51685 has 167 MA's), (7, 51766), (8, 51799), (9, 51841), (10, 51925), (15, 52039), (16, 52084), (17, 52105), (18, 52144),

Gene: Yucca_102 Start: 52203, Stop: 52742, Start Num: 5

Candidate Starts for Yucca_102:

(Start: 5 @52203 has 167 MA's), (7, 52284), (8, 52317), (9, 52359), (10, 52443), (15, 52557), (16, 52602), (17, 52623), (18, 52662),

Gene: Zalkecks_103 Start: 52204, Stop: 52743, Start Num: 5

Candidate Starts for Zalkecks_103:

(Start: 5 @52204 has 167 MA's), (7, 52285), (8, 52318), (9, 52360), (10, 52444), (15, 52558), (16, 52603), (17, 52624), (18, 52663),

Gene: Zeenon_104 Start: 52289, Stop: 52828, Start Num: 5

Candidate Starts for Zeenon_104:

(Start: 5 @52289 has 167 MA's), (7, 52370), (8, 52403), (9, 52445), (10, 52529), (15, 52643), (16, 52688), (17, 52709), (18, 52748),

Gene: ZygoTaiga_101 Start: 53449, Stop: 53988, Start Num: 5

Candidate Starts for ZygoTaiga_101:

(Start: 5 @53449 has 167 MA's), (7, 53530), (8, 53563), (9, 53605), (10, 53689), (15, 53803), (16, 53848), (17, 53869), (18, 53908),