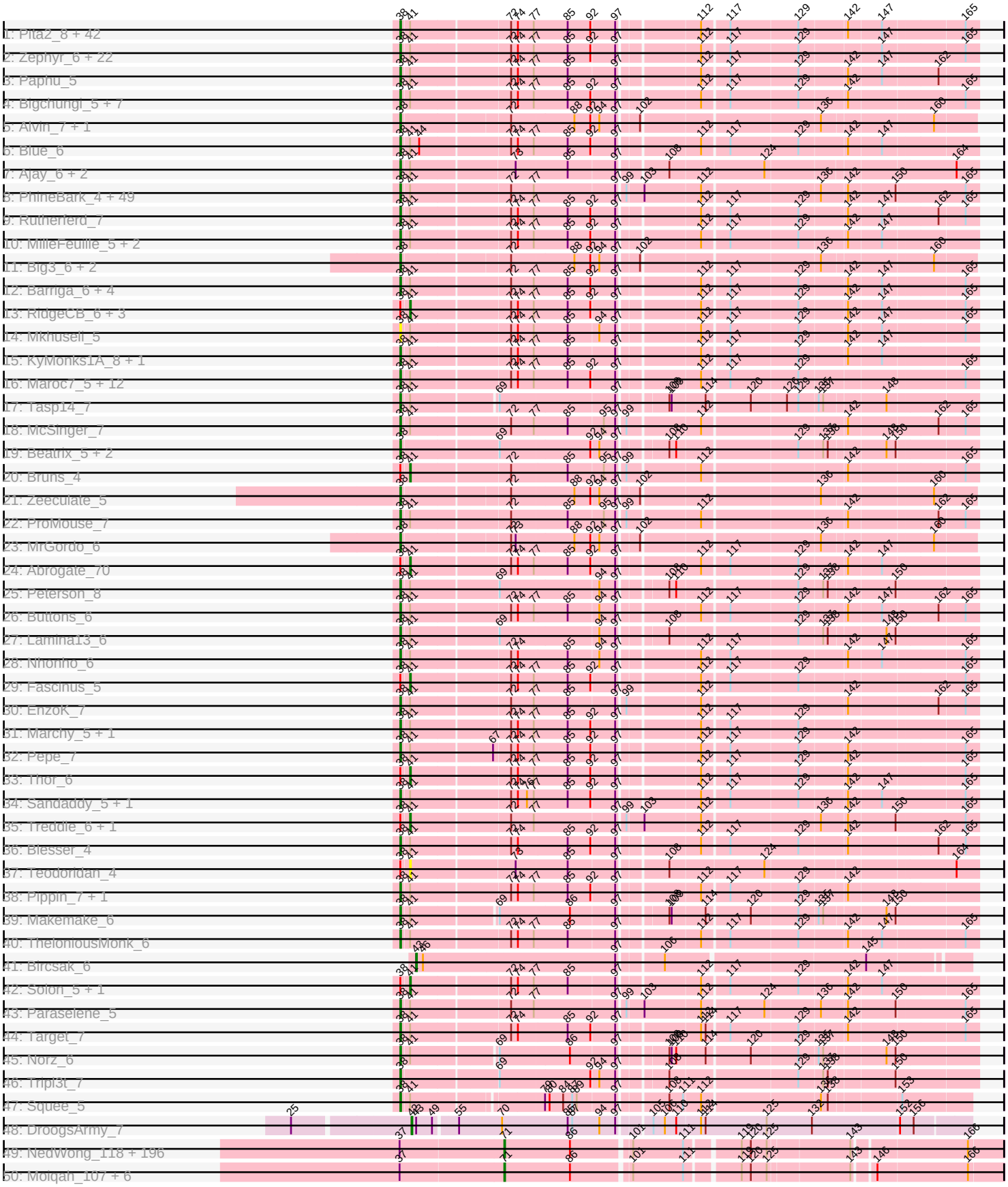
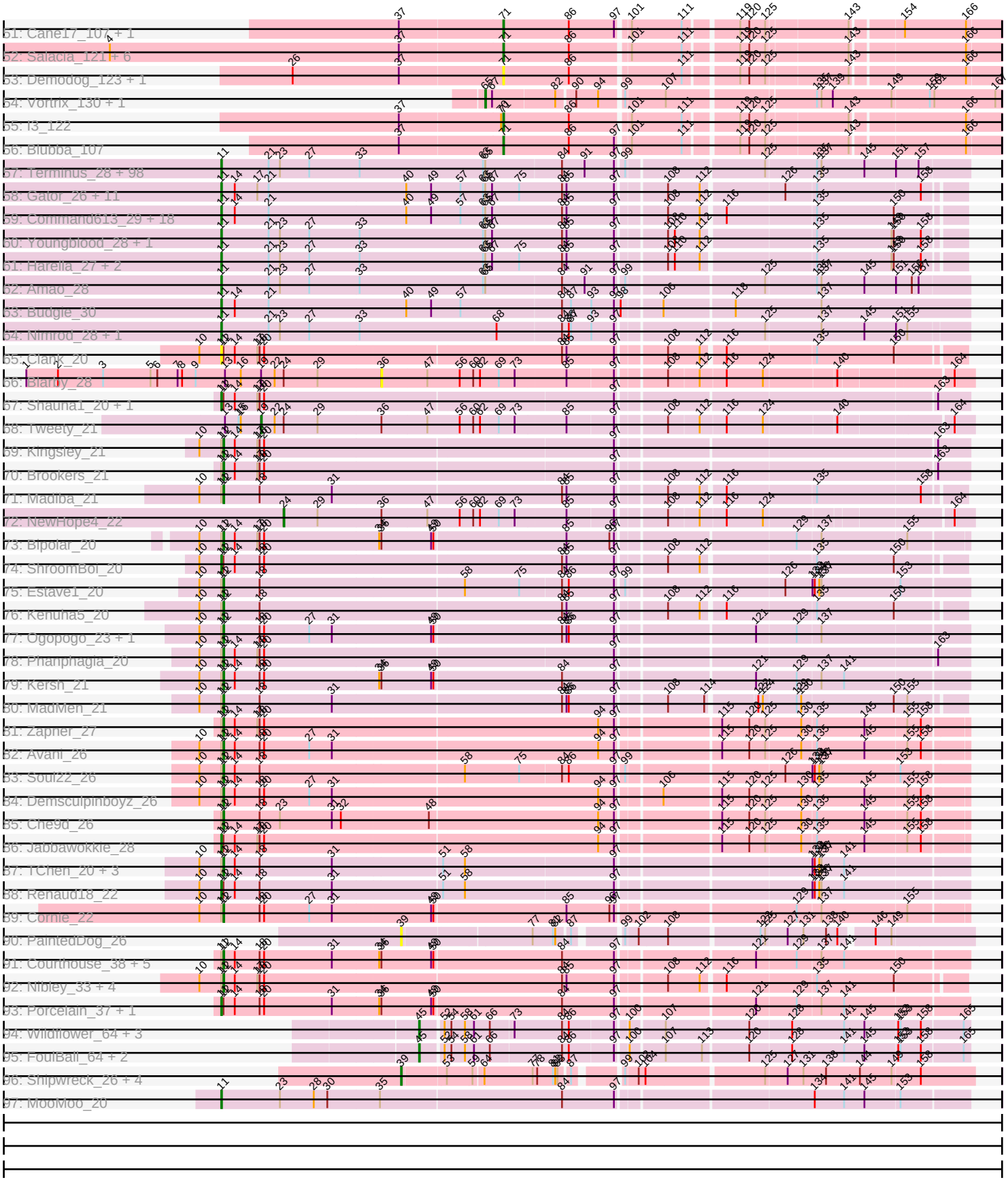
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1: Pita2_8 + 42
2: Zephyr_6 + 22
3: Paphu_5
4: Bigchungi_5 + 7
5: Alvin_7 + 1
6: Blue_6
7: Ajay_6 + 2
8: PhineBark_4 + 49
9: Rutherford_7
10: MilleFeuille_5 + 2
11: Big3_6 + 2
12: Barriga_6 + 4
13: RidgeCB_6 + 3
14: Mkhuseli_5
15: KyMonks1A_8 + 1
16: Maroc7_5 + 12
17: Tasp14_7
18: McSinger_7
19: Beatrix_5 + 2
20: Bruns_4
21: Zeeculate_5
22: ProMouse_7
23: MrGordo_6
24: Abrogate_70
25: Peterson_8
26: Buttons_6
27: Lamina13_6
28: Nhonho_6
29: Fascinus_5
30: EnzoK_7
31: Marchy_5 + 1
32: Pepe_7
33: Thor_6
34: Sandaddy_5 + 1
35: Treddie_6 + 1
36: Blesser_4
37: Teodordan_4
38: Pippin_7 + 1
39: Makemake_6
40: TheloniousMonk_6
41: Bircsak_6
42: Solon_5 + 1
43: Paraselene_5
44: Target_7
45: Norz_6
46: Tripl3t_7
47: Squee_5
48: DroogsArmy_7
49: NedWong_118 + 196
50: Molqan_107 + 6

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51: Cane17_107 + 1
52: Salacia_121 + 6
53: Demodog_123 + 1
54: Vortrix_130 + 1
55: I3_122
56: Blubba_107
57: Terminus_28 + 98
58: Gator_26 + 11
59: Commando613_29 + 18
60: Youngblood_28 + 1
61: Harella_27 + 2
62: Amao_28
63: Budgie_30
64: Nimrod_28 + 1
65: Clark_20
66: Blarity_28
67: Shauna1_20 + 1
68: Tweety_21
69: Kingsley_21
70: Brookers_21
71: Madiba_21
72: NewHope4_22
73: Bipolar_20
74: ShroomBoi_20
75: Estave1_20
76: Kenuna5_20
77: Ogopogo_23 + 1
78: Phanphagia_20
79: Kersh_21
80: MadMen_21
81: Zapher_27
82: Avani_26
83: Soul22_26
84: Demsculpinboyz_26
85: Che9d_26
86: Jabbawokkie_28
87: YChen_20 + 3
88: Renaud18_22
89: Cornie_22
90: PaintedDog_26
91: Courthouse_38 + 5
92: Nibley_33 + 4
93: Porcelain_37 + 1
94: Wildflower_64 + 3
95: FoulBall_64 + 2
96: Shipwreck_26 + 4
97: MooMoo_20

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 347055 Report

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

Pham number 347055 has 617 members, 58 are drafts.

Phages represented in each track:
• Track 1 : Pita2_8, Euphoria_6, Hami1_6, Sanya_6, Dexes_7, HanShotFirst_6, Pelly_7, ShortQueendom_5, PSullivan_8, Topgun_6, Sagefire_7, Inyanga_5, Iqorha_5, BigPaolini_7, GMonster_5, StewieG_5, KBG_6, PascalRango_5, PhrostyMug_5, Nerujay_6, Gachnar_6, Moose_5, Raid_6, Smairt_7, Sumter_5, Trouble_6, BPBiebs31_7, Tote_8, Sunshine924_5, Mule_5, Aeneas_7, Wilkins_6, Whitspit_6, PattyP_7, TwoPeat_7, LilBib_5, Applejack_6, Swole_8, JackSparrow_6, SwissCheese_6, JuliaChild_8, Rhynn_6, Forsytheast_5
• Track 2 : Zephyr_6, Ciao_6, Greg_7, MPlant7149_5, ChristmasHams_6, Corvo_6, Rufus_6, Molly_7, Ichabod_6, BaconJack_7, Agaliana_6, Lopton_7, MaryBeth_6, MetalQZJ_6, Ohno789_5, Fajezeel_7, Sibs6_7, NEHalo_6, Arlo_5, Niza_7, JC27_7, Espresso_6, Rubeus_6
• Track 3 : Paphu_5
• Track 4 : Bigchungi_5, Ringer_5, Bethlehem_6, Ruotula_5, Snazzy_4, STLscum_7, Marco3_6, SarFire_6
• Track 5 : Alvin_7, Crispicous1_5
• Track 6 : Blue_6
• Track 7 : Ajay_6, BarrowTuph_5, Alsfro_10
• Track 8 : PhineBark_4, Traft412_8, Monet_6, GrecoEtereo_7, Lesedi_5, Fushigi_6, Ashballer_4, Turj99_5, Hermia_7, Kenmech_7, BillKnuckles_6, Slagathor_6, PowerRanger_5, A6_04, Magnito_5, Marcell_6, DirtDevil_6, Kugel_7, Petruchio_6, Lockley_6, Seanderson_7, Manatee_6, Licorice_8, Levia_5, Scowl_7, DD5_6, KikiBouba_7, Anglerfish_6, Violet_5, BK1_04, Kykar_4, Bxb1_5, Carlyle_8, CatBus_6, Noxious_7, Gwendoluna_6, QTRlifeCrisis_5, Froghopper_7, Watermelon_8, Marge_6, Homines_6, Gyzlar_7, Aldrich_6, Dussy_7, Abbyshoes_7, CartmannCramer_5, HarryOW_7, Arcanine_6, GroundGoblin_6, Rajelicia_5
• Track 9 : Rutherferd_7
• Track 10 : MilleFeuille_5, IgnatiusPatJac_5, Marsha_6
• Track 11 : Big3_6, Michley_6, DrFeelGood_5
• Track 12 : Barriga_6, Zeuska_5, AFIS_6, SpikeBT_6, Papez_6
• Track 13 : RidgeCB_6, Blackflame_5, Doom_6, Perseus_7
• Track 14 : Mkhuseli_5
• Track 15 : KyMonks1A_8, Magnar_6
• Track 16 : Maroc7_5, PacerPaul_6, Adahisdi_7, Phlippers_5, Pinto_8, Kanely_7, Bigfoot_5, CactusRose_5, Altman_7, Francis47_6, GageAP_7, Oogway_5, ConceptII_6
• Track 17 : Tasp14_7
• Track 18 : McSinger_7

• Track 19 : Beatrix_5, Bexan_5, StrongArm_5
• Track 20 : Bruns_4
• Track 21 : Zeeculate_5
• Track 22 : ProMouse_7
• Track 23 : MrGordo_6
• Track 24 : Abrogate_70
• Track 25 : Peterson_8
• Track 26 : Buttons_6
• Track 27 : Lamina13_6
• Track 28 : Nhonho_6
• Track 29 : Fascinus_5
• Track 30 : EnzoK_7
• Track 31 : Marchy_5, Payneful_6
• Track 32 : Pepe_7
• Track 33 : Thor_6
• Track 34 : Sandaddy_5, Sorpresa_6
• Track 35 : Treddle_6, Wheeler_6
• Track 36 : Blesser_4
• Track 37 : Teodoridan_4
• Track 38 : Pippin_7, Acme_7
• Track 39 : Makemake_6
• Track 40 : TheloniousMonk_6
• Track 41 : Bircsak_6
• Track 42 : Solon_5, Edtherson_6
• Track 43 : Paraselene_5
• Track 44 : Target_7
• Track 45 : Norz_6
• Track 46 : Tripl3t_7
• Track 47 : Squee_5
• Track 48 : DroogsArmy_7
• Track 49 : NedWong_118, Puhon_120, Ewok_118, BadAgartude_113, Dietrick_109, Darko_117, CharlieB_113, LinStu_115, SilverDipper_118, DeejaClivia_104, InterFolia_123, JayJay_122, ValleyTerrace_117, Grasshills_123, OrediggerDelux_120, Matsumoto_115, ET08_105, DTDevon_117, Issimir_115, CindyLou_118, Astraea_113, Amataga_117, TinyTim_117, SiwenD96_118, PharkleMinkus_120, Breeniome_116, Burrough_117, Megamind_116, Cali_112, BigCity_124, Jezreel_117, Latch_117, Lethe_115, Ading_117, Norm_118, Phlegm_119, Spec_114, Jedediah_120, Dandelion_122, Lunareta_115, Tortoise16_114, Guwapp_116, Zeenon_118, Sauce_117, Iota_112, Gabriel_117, Catera_113, Phox_114, StubbySaigey_120, NuevoMundo_122, BeanWater_109, SoilZilla_112, LookingGlass_117, Pleione_120, Tyke_117, Cactojaque_112, PurduePete_117, Bxz1_114, Fongie_114, Quasimodo_118, Montpel_115, EmmaElysia_117, Audrick_119, Fludd_117, Sebata_117, Rizal_112, GlutenPhree_118, Drazdys_115, Roots515_115, Naija_116, Delylah_120, GoldenSnow_120, Mikro_114, Mangeria_117, Shelob_119, SVoro_114, Tainan_120, Erdmann_117, Jemmno_117, Basquiat_113, DrPhinkDaddy_116, Sprinklers_113, Jaygup_117, ScottMcG_113, ChickenPhender_113, BackyardAgain_114, Trinitium_114, Bread_116, Maturis_114, Duckfeet_109, IkeLoa_110, JulietS_111, EmToTheThree_119, Belieber_112, Izajani_117, FrayBell_122, Ronan_111, Rabinovish_114, Dessert_117, Ava3_118, Domi_110, Substance289_114, Momo_116, BananaFence_116, Lee7_120, Essence_114, Patter_117, ChaylaJr_112, Yucca_116, Loanshark_116, Daffodil_122, Caravan_111, FoxtrotP1_117, Pivoine_116, JPickles_114, Koguma_114, Jessibeth14_116,

Rocha_115, Ghost_115, Melpomini_111, Blackdragon_112, Kboogie_121, YemiJoy2021_118, QBert_111, JigglyPuff_124, YoungMoneyMata_118, Bigswole_120, ArcherS7_116, Grungle_104, Maby2021_117, Gizmo_121, MikeLiesIn_118, Pier_121, Napoleon13_113, Flabslab_111, Janiyra_119, Pupusa_122, Kamryn_117, MoMoMixon_117, Bowman_119, Ngannou_113, Nidhogg_118, Atlantean_116, Asterius_120, Halldule_110, Primadonna_110, Blackbrain_112, Willis_118, Morizzled23_117, NoodleTree_124, Gamgam_117, Naval22_125, BobaPhatt_114, JustHall_114, InigoMontoya_118, Teardrop_116, LRRHood_110, SrishMeg2525_116, EggyFarm_124, Shaqnato_110, Spud_116, ShiaLabeouf_116, Rahel_116, McWolfish_115, Delilah_117, DirtMonster_111, EasyJones_119, ErnieJ_111, Turret_112, Bipolarisk_116, Derek_116, Yassified_114, Maguvora_121, Chomp_116, Fixie_109, RoMag_112, Capablanca_119, Shnickers_117, ParkTD_118, Phusco_117, Nappy_119, ZygoTaiga_115, StephanieG_115, Chargie21_113, SmallFry_117, McGee_119, Specks_122, Pio_121, Zalkecks_118, Adlitam_117, LifeSavor_115, Ablatia_116, Bangla1971_118, Littleton_117, Wally_116, Khaleesi_116, Babyland_118

• Track 50 : Moiqah_107, Moby_108, Alice_109, Pinkcreek_108, Shifa_105, HyRo_107, Stubby_109
• Track 51 : Cane17_107, Colt_108
• Track 52 : Salacia_121, LordLeafolot_121, Cleatunium_110, LolaVinca_117, Shrimp_117, Bonray_117, Labradorite_118
• Track 53 : Demodog_123, Concombre_122
• Track 54 : Vortrix_130, Tonenili_131
• Track 55 : I3_122
• Track 56 : Blubba_107
• Track 57 : Terminus_28, Murphy_29, Gemini_31, Goldilocks_29, Brewer_28, Phrux_28, Tarkin_30, HanKaySha_29, Pat3_27, Gage_30, Cjw1_28, HufflyPuff_27, Petra64142_30, Willez_27, TeamEdward_28, YassJohnny_29, Holt_29, Thimble_28, TBrady12_30, Misfit_28, Porky_28, Kanye_30, Buck_27, Teaspoon_29, GoldenSpark_30, Miniwave_28, PhatBacter_28, Cookies_28, MPhalcon_27, Greep_29, BaboJay_27, 244_30, Murica_27, Pharsalus_29, Inca_27, Stark_29, Moldemort_29, Emmina_29, Contagion_27, NonchalantPear_28, Argent26_30, Palpatine_28, Mosby_27, FireRed_28, MollyToe_28, Phaux_27, StellaBean_28, Czyszczon1_29, RiverMonster_28, BigBubba_29, Tomaszewski_27, Bogg_28, Adnama_31, Elite2014_27, GooberAzure_30, Hopey_30, Thresher_29, JeTaime_30, DoctorDiddles_28, Bruin_28, ChotaBhai_28, Kimchi_30, ShereKhan_30, DrDrey_29, Stank_31, Simpliphy_29, PaddyBaddy_29, StolenFromERC_30, Easy2Say_30, Lilpickle_27, Hoonter_30, Lilac_30, MadamMonkfish_28, Highbury_29, xkcd_29, NoSleep_29, Manda_29, Ukulele_28, Dumbo_28, OrionPax_29, Becksu_28, SophKB_28, AmericanBeauty_30, Bench_30, Maxxinista_29, Elph10_29, MISSy_27, StormChicken_28, Lilizi_30, BugsBunny_26, Xandras_30, Wiggin_31, Saints25_29, Paperbeatsrock_30, Quallification_29, Rimmer_27, FoghornLeghorn_27, Filch_29, Sassay_27
• Track 58 : Gator_26, Rakim_29, ABCat_27, Asriel_27, Barbarian_27, BadStone_27, Dusk_27, Myrale_28, Balomoji_27, Tuco_29, Traaww1_26, TeardropMSU_27
• Track 59 : Command613_29, IHOP_28, Marshmallow_28, Phaja_28, FairyPath_28, Icee_27, Bask21_28, Sotrice96_28, NelitzaMV_28, Goku_28, Policronamos_28, SirDuracell_27, BilboSwaggins_28, Toto_28, Cactus_29, ShamWow_28, CrystalP_28, Mindy_28, Eureka_28
• Track 60 : Youngblood_28, Nala_28
• Track 61 : Harella_27, Flypotenuse_26, Glexan_26
• Track 62 : Amao_28
• Track 63 : Budgie_30

• Track 64 : Nimrod_28, Pumpkin_30
• Track 65 : Clank_20
• Track 66 : Blarby_28
• Track 67 : Shauna1_20, Coco12_22
• Track 68 : Tweety_21
• Track 69 : Kingsley_21
• Track 70 : Brookers_21
• Track 71 : Madiba_21
• Track 72 : NewHope4_22
• Track 73 : Bipolar_20
• Track 74 : ShroomBoi_20
• Track 75 : Estave1_20
• Track 76 : Kenuha5_20
• Track 77 : Ogopogo_23, Pollywog_23
• Track 78 : Phanphagia_20
• Track 79 : Kersh_21
• Track 80 : MadMen_21
• Track 81 : Zapner_27
• Track 82 : Avani_26
• Track 83 : Soul22_26
• Track 84 : Demsculpinboyz_26
• Track 85 : Che9d_26
• Track 86 : Jabbawokkie_28
• Track 87 : TChen_20, LunaStella_22, ThetaBob_22, Yoshi_26
• Track 88 : Renaud18_22
• Track 89 : Cornie_22
• Track 90 : PaintedDog_26
• Track 91 : Courthouse_38, MiaZeal_38, Lucky2013_38, Squint_37, Superphikiman_38, DmpstrDiver_39
• Track 92 : Nibley_33, Shaboozey_32, KashFlow_32, BronnyJames_32, Hannaconda_35
• Track 93 : Porcelain_37, Ariel_38
• Track 94 : Wildflower_64, Dylan_64, Zakhe101_64, Ashwin_66
• Track 95 : FoulBall_64, Krili_63, NiebruSaylor_63
• Track 96 : Shipwreck_26, Brujita_27, Bogie_26, Pygmy_26, Island3_27
• Track 97 : MooMoo_20

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

The start number called the most often in the published annotations is 71, it was called in 188 of the 559 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ablatia_116, Ading_117, Adlitam_117, Alice_109, Amataga_117, ArcherS7_116, Asterius_120, Astraea_113, Atlantean_116, Audrick_119, Ava3_118, Babyland_118, BackyardAgain_114, BadAgartude_113, BananaFence_116, Bangla1971_118, Basquiat_113, BeanWater_109, Belieber_112, BigCity_124, Bigswole_120, Bipolarisk_116, Blackbrain_112, Blackdragon_112, Blubba_107, BobaPhatt_114, Bonray_117, Bowman_119, Bread_116, Breeniome_116, Burrough_117, Bxz1_114, Cactojaque_112, Cali_112, Cane17_107, Capablanca_119, Caravan_111,

Catera_113, Chargie21_113, CharlieB_113, ChaylaJr_112, ChickenPhender_113, Chomp_116, CindyLou_118, Cleatunium_110, Colt_108, Concombre_122, DTDevon_117, Daffodil_122, Dandelion_122, Darko_117, DeejaClivia_104, Delilah_117, Delylah_120, Demodog_123, Derek_116, Dessert_117, Dietrick_109, DirtMonster_111, Domi_110, DrPhinkDaddy_116, Drazdys_115, Duckfeet_109, ET08_105, EasyJones_119, EggyFarm_124, EmToTheThree_119, EmmaElysia_117, Erdmann_117, ErnieJ_111, Essence_114, Ewok_118, Fixie_109, Flabslab_111, Fludd_117, Fongie_114, FoxtrotP1_117, FrayBell_122, Gabriel_117, Gamgam_117, Ghost_115, Gizmo_121, GlutenPhree_118, GoldenSnow_120, Grasshills_123, Grungle_104, Guwapp_116, Halldule_110, HyRo_107, I3_122, IkeLoa_110, InigoMontoya_118, InterFolia_123, Iota_112, Issimir_115, Izajani_117, JPickles_114, Janiyra_119, JayJay_122, Jaygup_117, Jedediah_120, Jemmno_117, Jessibeth14_116, Jezreel_117, JigglyPuff_124, JulietS_111, JustHall_114, Kamryn_117, Kboogie_121, Khaleesi_116, Koguma_114, LRRHood_110, Labradorite_118, Latch_117, Lee7_120, Lethe_115, LifeSavor_115, LinStu_115, Littleton_117, Loanshark_116, LolaVinca_117, LookingGlass_117, LordLeafolot_121, Lunareta_115, Maby2021_117, Maguvora_121, Mangeria_117, Matsumoto_115, Maturis_114, McGee_119, McWolfish_115, Megamind_116, Melpomini_111, MikeLiesIn_118, Mikro_114, MoMoMixon_117, Moby_108, Moiqah_107, Momo_116, Montpel_115, Morizzled23_117, Naija_116, Napoleon13_113, Nappy_119, Naval22_125, NedWong_118, Ngannou_113, Nidhogg_118, NoodleTree_124, Norm_118, NuevoMundo_122, OrediggerDelux_120, ParkTD_118, Patter_117, PharkleMinkus_120, Phlegm_119, Phox_114, Phusco_117, Pier_121, Pinkcreek_108, Pio_121, Pivoine_116, Pleione_120, Primadonna_110, Puhon_120, Pupusa_122, PurduePete_117, QBert_111, Quasimodo_118, Rabinovish_114, Rahel_116, Rizal_112, RoMag_112, Rocha_115, Ronan_111, Roots515_115, SVoro_114, Salacia_121, Sauce_117, ScottMcG_113, Sebata_117, Shaqnato_110, Shelob_119, ShiaLabeouf_116, Shifa_105, Shnickers_117, Shrimp_117, SilverDipper_118, SiwenD96_118, SmallFry_117, SoilZilla_112, Spec_114, Specks_122, Sprinklers_113, Spud_116, SrishMeg2525_116, StephanieG_115, StubbySaigey_120, Stubby_109, Substance289_114, Tainan_120, Teardrop_116, TinyTim_117, Tortoise16_114, Trinitium_114, Turret_112, Tyke_117, ValleyTerrace_117, Wally_116, Willis_118, Yassified_114, YemiJoy2021_118, YoungMoneyMata_118, Yucca_116, Zalkecks_118, Zeenon_118, ZygoTaiga_115,

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

Genes that do not have the "Most Annotated" start:
• 244_30, A6_04, ABCat_27, AFIS_6, Abbyshoes_7, Abrogate_70, Acme_7, Adahisdi_7, Adnama_31, Aeneas_7, Agaliana_6, Ajay_6, Aldrich_6, Alsfro_10, Altman_7, Alvin_7, Amao_28, AmericanBeauty_30, Anglerfish_6, Applejack_6, Arcanine_6, Argent26_30, Ariel_38, Arlo_5, Ashballer_4, Ashwin_66, Asriel_27, Avani_26, BK1_04, BPBiebs31_7, BaboJay_27, BaconJack_7, BadStone_27, Balomoji_27, Barbarian_27, Barriga_6, BarrowTuph_5, Bask21_28, Beatrix_5, Becksu_28, Bench_30, Bethlehem_6, Bexan_5, Big3_6, BigBubba_29, BigPaolini_7, Bigchungi_5, Bigfoot_5, BilboSwaggins_28, BillKnuckles_6, Bipolar_20, Bircsak_6, Blackflame_5, Blarby_28, Blesser_4, Blue_6, Bogg_28, Bogie_26, Brewer_28, BronnyJames_32, Brookers_21, Bruin_28, Brujita_27, Bruns_4, Buck_27, Budgie_30, BugsBunny_26, Buttons_6, Bxb1_5, CactusRose_5, Cactus_29, Carlyle_8, CartmannCramer_5, CatBus_6, Che9d_26, ChotaBhai_28, ChristmasHams_6, Ciao_6, Cjw1_28, Clank_20, Coco12_22, Command613_29, ConceptII_6, Contagion_27, Cookies_28, Cornie_22, Corvo_6, Courthouse_38, Crispicous1_5,

CrystalP_28, Czyszczon1_29, DD5_6, Demsculpinboyz_26, Dexes_7, DirtDevil_6, DmpstrDiver_39, DoctorDiddles_28, Doom_6, DrDrey_29, DrFeelGood_5, DroogsArmy_7, Dumbo_28, Dusk_27, Dussy_7, Dylan_64, Easy2Say_30, Edtherson_6, Elite2014_27, Elph10_29, Emmina_29, EnzoK_7, Espresso_6, Estave1_20, Euphoria_6, Eureka_28, FairyPath_28, Fajezeel_7, Fascinus_5, Filch_29, FireRed_28, Flypotenuse_26, FoghornLeghorn_27, Forsytheast_5, FoulBall_64, Francis47_6, Froghopper_7, Fushigi_6, GMonster_5, Gachnar_6, GageAP_7, Gage_30, Gator_26, Gemini_31, Glexan_26, Goku_28, GoldenSpark_30, Goldilocks_29, GooberAzure_30, GrecoEtereo_7, Greep_29, Greg_7, GroundGoblin_6, Gwendoluna_6, Gyzlar_7, Hami1_6, HanKaySha_29, HanShotFirst_6, Hannaconda_35, Harella_27, HarryOW_7, Hermia_7, Highbury_29, Holt_29, Homines_6, Hoonter_30, Hopey_30, HufflyPuff_27, IHOP_28, Icee_27, Ichabod_6, IgnatiusPatJac_5, Inca_27, Inyanga_5, Iqorha_5, Island3_27, JC27_7, Jabbawokkie_28, JackSparrow_6, JeTaime_30, JuliaChild_8, KBG_6, Kanely_7, Kanye_30, KashFlow_32, Kenmech_7, Kenuha5_20, Kersh_21, KikiBouba_7, Kimchi_30, Kingsley_21, Krili_63, Kugel_7, KyMonks1A_8, Kykar_4, Lamina13_6, Lesedi_5, Levia_5, Licorice_8, LilBib_5, Lilac_30, Lilizi_30, Lilpickle_27, Lockley_6, Lopton_7, Lucky2013_38, LunaStella_22, MISSy_27, MPhalcon_27, MPlant7149_5, MadMen_21, MadamMonkfish_28, Madiba_21, Magnar_6, Magnito_5, Makemake_6, Manatee_6, Manda_29, Marcell_6, Marchy_5, Marco3_6, Marge_6, Maroc7_5, Marsha_6, Marshmallow_28, MaryBeth_6, Maxxinista_29, McSinger_7, MetalQZJ_6, MiaZeal_38, Michley_6, MilleFeuille_5, Mindy_28, Miniwave_28, Misfit_28, Mkhuseli_5, Moldemort_29, MollyToe_28, Molly_7, Monet_6, MooMoo_20, Moose_5, Mosby_27, MrGordo_6, Mule_5, Murica_27, Murphy_29, Myrale_28, NEHalo_6, Nala_28, NelitzaMV_28, Nerujay_6, NewHope4_22, Nhonho_6, Nibley_33, NiebruSaylor_63, Nimrod_28, Niza_7, NoSleep_29, NonchalantPear_28, Norz_6, Noxious_7, Ogopogo_23, Ohno789_5, Oogway_5, OrionPax_29, PSullivan_8, PacerPaul_6, PaddyBaddy_29, PaintedDog_26, Palpatine_28, Paperbeatsrock_30, Papez_6, Paphu_5, Paraselene_5, PascalRango_5, Pat3_27, PattyP_7, Payneful_6, Pelly_7, Pepe_7, Perseus_7, Peterson_8, Petra64142_30, Petruchio_6, Phaja_28, Phanphagia_20, Pharsalus_29, PhatBacter_28, Phaux_27, PhineBark_4, Phlippers_5, PhrostyMug_5, Phrux_28, Pinto_8, Pippin_7, Pita2_8, Policronamos_28, Pollywog_23, Porcelain_37, Porky_28, PowerRanger_5, ProMouse_7, Pumpkin_30, Pygmy_26, QTRlifeCrisis_5, Quallification_29, Raid_6, Rajelicia_5, Rakim_29, Renaud18_22, Rhynn_6, RidgeCB_6, Rimmer_27, Ringer_5, RiverMonster_28, Rubeus_6, Rufus_6, Ruotula_5, Rutherferd_7, STLscum_7, Sagefire_7, Saints25_29, Sandaddy_5, Sanya_6, SarFire_6, Sassay_27, Scowl_7, Seanderson_7, Shaboozey_32, ShamWow_28, Shauna1_20, ShereKhan_30, Shipwreck_26, ShortQueendom_5, ShroomBoi_20, Sibs6_7, Simpliphy_29, SirDuracell_27, Slagathor_6, Smairt_7, Snazzy_4, Solon_5, SophKB_28, Sorpresa_6, Sotrice96_28, Soul22_26, SpikeBT_6, Squee_5, Squint_37, Stank_31, Stark_29, StellaBean_28, StewieG_5, StolenFromERC_30, StormChicken_28, StrongArm_5, Sumter_5, Sunshine924_5, Superphikiman_38, SwissCheese_6, Swole_8, TBrady12_30, TChen_20, Target_7, Tarkin_30, Tasp14_7, TeamEdward_28, TeardropMSU_27, Teaspoon_29, Teodoridan_4, Terminus_28, TheloniousMonk_6, ThetaBob_22, Thimble_28, Thor_6, Thresher_29, Tomaszewski_27, Tonenili_131, Topgun_6, Tote_8, Toto_28, Traaww1_26, Traft412_8, Treddle_6, Tripl3t_7, Trouble_6, Tuco_29, Turj99_5, Tweety_21, TwoPeat_7, Ukulele_28, Violet_5, Vortrix_130, Watermelon_8, Wheeler_6, Whitspit_6, Wiggin_31, Wildflower_64, Wilkins_6, Willez_27, Xandras_30, YassJohnny_29, Yoshi_26, Youngblood_28, Zakhe101_64, Zapner_27, Zeeculate_5, Zephyr_6, Zeuska_5, xkcd_29,

Summary by start number:

Start 11:
• Found in 180 of 617 (29.2%) of genes in pham
• Manual Annotations of this start: 139 of 559
• Called 82.2% of time when present
• Phage (with cluster) where this start called: 244_30 (E), ABCat_27 (E), Adnama_31 (E), Amao_28 (E), AmericanBeauty_30 (E), Argent26_30 (E), Ariel_38 (J), Asriel_27 (E), BaboJay_27 (E), BadStone_27 (E), Balomoji_27 (E), Barbarian_27 (E), Bask21_28 (E), Becksu_28 (E), Bench_30 (E), BigBubba_29 (E), BilboSwaggins_28 (E), Bogg_28 (E), Brewer_28 (E), Bruin_28 (E), Buck_27 (E), Budgie_30 (E), BugsBunny_26 (E), Cactus_29 (E), ChotaBhai_28 (E), Cjw1_28 (E), Clank_20 (F), Coco12_22 (F1), Command613_29 (E), Contagion_27 (E), Cookies_28 (E), CrystalP_28 (E), Czyszczon1_29 (E), DoctorDiddles_28 (E), DrDrey_29 (E), Dumbo_28 (E), Dusk_27 (E), Easy2Say_30 (E), Elite2014_27 (E), Elph10_29 (E), Emmina_29 (E), Eureka_28 (E), FairyPath_28 (E), Filch_29 (E), FireRed_28 (E), Flypotenuse_26 (E), FoghornLeghorn_27 (E), Gage_30 (E), Gator_26 (E), Gemini_31 (E), Glexan_26 (E), Goku_28 (E), GoldenSpark_30 (E), Goldilocks_29 (E), GooberAzure_30 (E), Greep_29 (E), HanKaySha_29 (E), Harella_27 (E), Highbury_29 (E), Holt_29 (E), Hoonter_30 (E), Hopey_30 (E), HufflyPuff_27 (E), IHOP_28 (E), Icee_27 (E), Inca_27 (E), Jabbawokkie_28 (F2), JeTaime_30 (E), Kanye_30 (E), Kimchi_30 (E), Lilac_30 (E), Lilizi_30 (E), Lilpickle_27 (E), MISSy_27 (E), MPhalcon_27 (E), MadamMonkfish_28 (E), Manda_29 (E), Marshmallow_28 (E), Maxxinista_29 (E), Mindy_28 (E), Miniwave_28 (E), Misfit_28 (E), Moldemort_29 (E), MollyToe_28 (E), MooMoo_20 (singleton), Mosby_27 (E), Murica_27 (E), Murphy_29 (E), Myrale_28 (E), Nala_28 (E), NelitzaMV_28 (E), Nimrod_28 (E), NoSleep_29 (E), NonchalantPear_28 (E), OrionPax_29 (E), PaddyBaddy_29 (E), Palpatine_28 (E), Paperbeatsrock_30 (E), Pat3_27 (E), Petra64142_30 (E), Phaja_28 (E), Pharsalus_29 (E), PhatBacter_28 (E), Phaux_27 (E), Phrux_28 (E), Policronamos_28 (E), Porcelain_37 (J), Porky_28 (E), Pumpkin_30 (E), Quallification_29 (E), Rakim_29 (E), Renaud18_22 (F4), Rimmer_27 (E), RiverMonster_28 (E), Saints25_29 (E), Sassay_27 (E), ShamWow_28 (E), Shauna1_20 (F1), ShereKhan_30 (E), ShroomBoi_20 (F1), Simpliphy_29 (E), SirDuracell_27 (E), SophKB_28 (E), Sotrice96_28 (E), Stank_31 (E), Stark_29 (E), StellaBean_28 (E), StolenFromERC_30 (E), StormChicken_28 (E), TBrady12_30 (E), Tarkin_30 (E), TeamEdward_28 (E), TeardropMSU_27 (E), Teaspoon_29 (E), Terminus_28 (E), Thimble_28 (E), Thresher_29 (E), Tomaszewski_27 (E), Toto_28 (E), Traaww1_26 (E), Tuco_29 (E), Ukulele_28 (E), Wiggin_31 (E), Willez_27 (E), Xandras_30 (E), YassJohnny_29 (E), Youngblood_28 (E), xkcd_29 (E),

Start 12:
• Found in 40 of 617 (6.5%) of genes in pham
• Manual Annotations of this start: 29 of 559
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Avani_26 (F2), Bipolar_20 (F1), BronnyJames_32 (J), Brookers_21 (F1), Che9d_26 (F2), Cornie_22 (F5), Courthouse_38 (J), Demsculpinboyz_26 (F2), DmpstrDiver_39 (J), Estave1_20 (F1), Hannaconda_35 (J), KashFlow_32 (J), Kenuha5_20 (F1), Kersh_21 (F1), Kingsley_21 (F1), Lucky2013_38 (J), LunaStella_22 (F4), MadMen_21 (F1), Madiba_21 (F1), MiaZeal_38 (J), Nibley_33 (J), Ogopogo_23 (F1), Phanphagia_20 (F1), Pollywog_23 (F1), Shaboozey_32 (J), Soul22_26 (F2), Squint_37 (J), Superphikiman_38 (J), TChen_20 (F4), ThetaBob_22 (F4), Yoshi_26 (F2), Zapner_27 (F2),

Start 19:
• Found in 2 of 617 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 559
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Tweety_21 (F1),

Start 24:
• Found in 3 of 617 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 559
• Called 33.3% of time when present
• Phage (with cluster) where this start called: NewHope4_22 (F1),

Start 36:
• Found in 13 of 617 (2.1%) of genes in pham
• No Manual Annotations of this start.
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Blarby_28 (F),

Start 38:
• Found in 200 of 617 (32.4%) of genes in pham
• Manual Annotations of this start: 175 of 559
• Called 93.5% of time when present
• Phage (with cluster) where this start called: A6_04 (A1), AFIS_6 (A1), Abbyshoes_7 (A1), Acme_7 (A1), Adahisdi_7 (A1), Aeneas_7 (A1), Agaliana_6 (A1), Ajay_6 (A1), Aldrich_6 (A1), Alsfro_10 (A1), Altman_7 (A1), Alvin_7 (A1), Anglerfish_6 (A1), Applejack_6 (A1), Arcanine_6 (A1), Arlo_5 (A1), Ashballer_4 (A1), BK1_04 (A1), BPBiebs31_7 (A1), BaconJack_7 (A1), Barriga_6 (A1), BarrowTuph_5 (A1), Beatrix_5 (A1), Bethlehem_6 (A1), Bexan_5 (A1), Big3_6 (A1), BigPaolini_7 (A1), Bigchungi_5 (A1), Bigfoot_5 (A1), BillKnuckles_6 (A1), Blesser_4 (A1), Blue_6 (A1), Buttons_6 (A1), Bxb1_5 (A1), CactusRose_5 (A1), Carlyle_8 (A1), CartmannCramer_5 (A1), CatBus_6 (A1), ChristmasHams_6 (A1), Ciao_6 (A1), ConceptII_6 (A1), Corvo_6 (A1), Crispicous1_5 (A1), DD5_6 (A1), Dexes_7 (A1), DirtDevil_6 (A1), DrFeelGood_5 (A1), Dussy_7 (A1), EnzoK_7 (A1), Espresso_6 (A1), Euphoria_6 (A1), Fajezeel_7 (A1), Forsytheast_5 (A1), Francis47_6 (A1), Froghopper_7 (A1), Fushigi_6 (A1), GMonster_5 (A1), Gachnar_6 (A1), GageAP_7 (A1), GrecoEtereo_7 (A1), Greg_7 (A1), GroundGoblin_6 (A1), Gwendoluna_6 (A1), Gyzlar_7 (A1), Hami1_6 (A1), HanShotFirst_6 (A1), HarryOW_7 (A1), Hermia_7 (A1), Homines_6 (A1), Ichabod_6 (A1), IgnatiusPatJac_5 (A1), Inyanga_5 (A1), Iqorha_5 (A1), JC27_7 (A1), JackSparrow_6 (A1), JuliaChild_8 (A1), KBG_6 (A1), Kanely_7 (A1), Kenmech_7 (A1), KikiBouba_7 (A1), Kugel_7 (A1), KyMonks1A_8 (A1), Kykar_4 (A1), Lamina13_6 (A1), Lesedi_5 (A1), Levia_5 (A1), Licorice_8 (A1), LilBib_5 (A1), Lockley_6 (A1), Lopton_7 (A1), MPlant7149_5 (A1), Magnar_6 (A1), Magnito_5 (A1), Makemake_6 (A1), Manatee_6 (A1), Marcell_6 (A1), Marchy_5 (A1), Marco3_6 (A1), Marge_6 (A1), Maroc7_5 (A1), Marsha_6 (A1), MaryBeth_6 (A1), McSinger_7 (A1), MetalQZJ_6 (A1), Michley_6 (A1), MilleFeuille_5 (A1), Mkhuseli_5 (A1), Molly_7 (A1), Monet_6 (A1), Moose_5 (A1), MrGordo_6 (A1), Mule_5 (A1), NEHalo_6 (A1), Nerujay_6 (A1), Nhonho_6 (A1), Niza_7 (A1), Norz_6 (A1), Noxious_7 (A1), Ohno789_5 (A1), Oogway_5 (A1), PSullivan_8 (A1), PacerPaul_6 (A1), Papez_6 (A1), Paphu_5 (A1), Paraselene_5 (A1), PascalRango_5 (A1), PattyP_7 (A1), Payneful_6 (A1), Pelly_7 (A1), Pepe_7 (A1), Peterson_8 (A1), Petruchio_6 (A1), PhineBark_4 (A1), Phlippers_5 (A1), PhrostyMug_5 (A1), Pinto_8 (A1), Pippin_7 (A1), Pita2_8 (A1), PowerRanger_5 (A1), ProMouse_7 (A1), QTRlifeCrisis_5 (A1), Raid_6 (A1), Rajelicia_5 (A1), Rhynn_6 (A1), Ringer_5 (A1), Rubeus_6 (A1), Rufus_6 (A1),

Ruotula_5 (A1), Rutherferd_7 (A1), STLscum_7 (A1), Sagefire_7 (A1), Sandaddy_5 (A1), Sanya_6 (A1), SarFire_6 (A1), Scowl_7 (A1), Seanderson_7 (A1), ShortQueendom_5 (A1), Sibs6_7 (A1), Slagathor_6 (A1), Smairt_7 (A1), Snazzy_4 (A1), Sorpresa_6 (A1), SpikeBT_6 (A1), Squee_5 (A1), StewieG_5 (A1), StrongArm_5 (A1), Sumter_5 (A1), Sunshine924_5 (A1), SwissCheese_6 (A1), Swole_8 (A1), Target_7 (A1), Tasp14_7 (A1), TheloniousMonk_6 (A1), Topgun_6 (A1), Tote_8 (A1), Traft412_8 (A1), Tripl3t_7 (A1), Trouble_6 (A1), Turj99_5 (A1), TwoPeat_7 (A1), Violet_5 (A1), Watermelon_8 (A1), Whitspit_6 (A1), Wilkins_6 (A1), Zeeculate_5 (A1), Zephyr_6 (A1), Zeuska_5 (A1),

Start 39:
• Found in 6 of 617 (1.0%) of genes in pham
• Manual Annotations of this start: 5 of 559
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bogie_26 (P1), Brujita_27 (I1), Island3_27 (I1), PaintedDog_26 (I1), Pygmy_26 (P1), Shipwreck_26 (P1),

Start 41:
• Found in 189 of 617 (30.6%) of genes in pham
• Manual Annotations of this start: 11 of 559
• Called 6.9% of time when present
• Phage (with cluster) where this start called: Abrogate_70 (A1), Blackflame_5 (A1), Bruns_4 (A1), Doom_6 (A1), Edtherson_6 (A1), Fascinus_5 (A1), Perseus_7 (A1), RidgeCB_6 (A1), Solon_5 (A1), Teodoridan_4 (A1), Thor_6 (A1), Treddle_6 (A1), Wheeler_6 (A1),

Start 42:
• Found in 1 of 617 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 559
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DroogsArmy_7 (A7),

Start 43:
• Found in 2 of 617 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 559
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Bircsak_6 (A1),

Start 45:
• Found in 7 of 617 (1.1%) of genes in pham
• Manual Annotations of this start: 7 of 559
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ashwin_66 (O), Dylan_64 (O), FoulBall_64 (O), Krili_63 (O), NiebruSaylor_63 (O), Wildflower_64 (O), Zakhe101_64 (O),

Start 65:
• Found in 138 of 617 (22.4%) of genes in pham
• Manual Annotations of this start: 1 of 559
• Called 1.4% of time when present
• Phage (with cluster) where this start called: Tonenili_131 (C1), Vortrix_130 (C1),

Start 71:

• Found in 217 of 617 (35.2%) of genes in pham
• Manual Annotations of this start: 188 of 559
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ablatia_116 (C1), Ading_117 (C1), Adlitam_117 (C1), Alice_109 (C1), Amataga_117 (C1), ArcherS7_116 (C1), Asterius_120 (C1), Astraea_113 (C1), Atlantean_116 (C1), Audrick_119 (C1), Ava3_118 (C1), Babyland_118 (C1), BackyardAgain_114 (C1), BadAgartude_113 (C1), BananaFence_116 (C1), Bangla1971_118 (C1), Basquiat_113 (C1), BeanWater_109 (C1), Belieber_112 (C1), BigCity_124 (C1), Bigswole_120 (C1), Bipolarisk_116 (C1), Blackbrain_112 (C1), Blackdragon_112 (C1), Blubba_107 (C1), BobaPhatt_114 (C1), Bonray_117 (C1), Bowman_119 (C1), Bread_116 (C1), Breeniome_116 (C1), Burrough_117 (C1), Bxz1_114 (C1), Cactojaque_112 (C1), Cali_112 (C1), Cane17_107 (C1), Capablanca_119 (C1), Caravan_111 (C1), Catera_113 (C1), Chargie21_113 (C1), CharlieB_113 (C1), ChaylaJr_112 (C1), ChickenPhender_113 (C1), Chomp_116 (C1), CindyLou_118 (C1), Cleatunium_110 (C1), Colt_108 (C1), Concombre_122 (C1), DTDevon_117 (C1), Daffodil_122 (C1), Dandelion_122 (C1), Darko_117 (C1), DeejaClivia_104 (C1), Delilah_117 (C1), Delylah_120 (C1), Demodog_123 (C1), Derek_116 (C1), Dessert_117 (C1), Dietrick_109 (C1), DirtMonster_111 (C1), Domi_110 (C1), DrPhinkDaddy_116 (C1), Drazdys_115 (C1), Duckfeet_109 (C1), ET08_105 (C1), EasyJones_119 (C1), EggyFarm_124 (C1), EmToTheThree_119 (C1), EmmaElysia_117 (C1), Erdmann_117 (C1), ErnieJ_111 (C1), Essence_114 (C1), Ewok_118 (C1), Fixie_109 (C1), Flabslab_111 (C1), Fludd_117 (C1), Fongie_114 (C1), FoxtrotP1_117 (C1), FrayBell_122 (C1), Gabriel_117 (C1), Gamgam_117 (C1), Ghost_115 (C1), Gizmo_121 (C1), GlutenPhree_118 (C1), GoldenSnow_120 (C1), Grasshills_123 (C1), Grungle_104 (C1), Guwapp_116 (C1), Halldule_110 (C1), HyRo_107 (C1), I3_122 (C1), IkeLoa_110 (C1), InigoMontoya_118 (C1), InterFolia_123 (C1), Iota_112 (C1), Issimir_115 (C1), Izajani_117 (C1), JPickles_114 (C1), Janiyra_119 (C1), JayJay_122 (C1), Jaygup_117 (C1), Jedediah_120 (C1), Jemmno_117 (C1), Jessibeth14_116 (C1), Jezreel_117 (C1), JigglyPuff_124 (C1), JulietS_111 (C1), JustHall_114 (C1), Kamryn_117 (C1), Kboogie_121 (C1), Khaleesi_116 (C1), Koguma_114 (C1), LRRHood_110 (C1), Labradorite_118 (C1), Latch_117 (C1), Lee7_120 (C1), Lethe_115 (C1), LifeSavor_115 (C1), LinStu_115 (C1), Littleton_117 (C1), Loanshark_116 (C1), LolaVinca_117 (C1), LookingGlass_117 (C1), LordLeafolot_121 (C1), Lunareta_115 (C1), Maby2021_117 (C1), Maguvora_121 (C1), Mangeria_117 (C1), Matsumoto_115 (C1), Maturis_114 (C1), McGee_119 (C1), McWolfish_115 (C1), Megamind_116 (C1), Melpomini_111 (C1), MikeLiesIn_118 (C1), Mikro_114 (C1), MoMoMixon_117 (C1), Moby_108 (C1), Moiqah_107 (C1), Momo_116 (C1), Montpel_115 (C1), Morizzled23_117 (C1), Naija_116 (C1), Napoleon13_113 (C1), Nappy_119 (C1), Naval22_125 (C1), NedWong_118 (C1), Ngannou_113 (C1), Nidhogg_118 (C1), NoodleTree_124 (C1), Norm_118 (C1), NuevoMundo_122 (C1), OrediggerDelux_120 (C1), ParkTD_118 (C1), Patter_117 (C1), PharkleMinkus_120 (C1), Phlegm_119 (C1), Phox_114 (C1), Phusco_117 (C1), Pier_121 (C1), Pinkcreek_108 (C1), Pio_121 (C1), Pivoine_116 (C1), Pleione_120 (C1), Primadonna_110 (C1), Puhon_120 (C1), Pupusa_122 (C1), PurduePete_117 (C1), QBert_111 (C1), Quasimodo_118 (C1), Rabinovish_114 (C1), Rahel_116 (C1), Rizal_112 (C1), RoMag_112 (C1), Rocha_115 (C1), Ronan_111 (C1), Roots515_115 (C1), SVoro_114 (C1), Salacia_121 (C1), Sauce_117 (C1), ScottMcG_113 (C1), Sebata_117 (C1), Shaqnato_110 (C1), Shelob_119 (C1), ShiaLabeouf_116 (C1), Shifa_105 (C1), Shnickers_117 (C1), Shrimp_117 (C1), SilverDipper_118 (C1), SiwenD96_118 (C1), SmallFry_117 (C1), SoilZilla_112 (C1), Spec_114 (C1), Specks_122 (C1), Sprinklers_113 (C1), Spud_116 (C1), SrishMeg2525_116 (C1), StephanieG_115 (C1), StubbySaigey_120 (C1), Stubby_109 (C1),

Substance289_114 (C1), Tainan_120 (C1), Teardrop_116 (C1), TinyTim_117 (C1), Tortoise16_114 (C1), Trinitium_114 (C1), Turret_112 (C1), Tyke_117 (C1), ValleyTerrace_117 (C1), Wally_116 (C1), Willis_118 (C1), Yassified_114 (C1), YemiJoy2021_118 (C1), YoungMoneyMata_118 (C1), Yucca_116 (C1), Zalkecks_118 (C1), Zeenon_118 (C1), ZygoTaiga_115 (C1),

Summary by clusters:

There are 14 clusters represented in this pham: F1, F2, P1, E, F5, F, I1, J, singleton, O, A1, A7, F4, C1,

Info for manual annotations of cluster A1:
•Start number 38 was manually annotated 175 times for cluster A1.
•Start number 41 was manually annotated 11 times for cluster A1.
•Start number 43 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A7:
•Start number 42 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster C1:
•Start number 65 was manually annotated 1 time for cluster C1.
•Start number 71 was manually annotated 188 times for cluster C1.

Info for manual annotations of cluster E:
•Start number 11 was manually annotated 131 times for cluster E.

Info for manual annotations of cluster F1:
•Start number 11 was manually annotated 3 times for cluster F1.
•Start number 12 was manually annotated 11 times for cluster F1.
•Start number 19 was manually annotated 1 time for cluster F1.
•Start number 24 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 11 was manually annotated 1 time for cluster F2.
•Start number 12 was manually annotated 6 times for cluster F2.

Info for manual annotations of cluster F4:
•Start number 11 was manually annotated 1 time for cluster F4.
•Start number 12 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster F5:
•Start number 12 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster I1:
•Start number 39 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster J:
•Start number 11 was manually annotated 2 times for cluster J.
•Start number 12 was manually annotated 8 times for cluster J.

Info for manual annotations of cluster O:
•Start number 45 was manually annotated 7 times for cluster O.

Info for manual annotations of cluster P1:
•Start number 39 was manually annotated 3 times for cluster P1.

Gene Information:

Gene: 244_30 Start: 27798, Stop: 28760, Start Num: 11
Candidate Starts for 244_30:
(Start: 11 @27798 has 139 MA's), (21, 27861), (23, 27876), (27, 27915), (33, 27981), (63, 28143), (Start: 65 @28146 has 1 MA's), (84, 28245), (91, 28275), (97, 28314), (99, 28323), (125, 28494), (135, 28560), (137, 28566), (145, 28623), (151, 28665), (157, 28695),

Gene: A6_04 Start: 2921, Stop: 3631, Start Num: 38
Candidate Starts for A6_04:
(Start: 38 @2921 has 175 MA's), (Start: 41 @2930 has 11 MA's), (72, 3053), (77, 3083), (97, 3185), (99, 3194), (103, 3215), (112, 3287), (136, 3434), (142, 3467), (150, 3527), (165, 3614),

Gene: ABCat_27 Start: 27517, Stop: 28461, Start Num: 11
Candidate Starts for ABCat_27:
(Start: 11 @27517 has 139 MA's), (14, 27535), (17, 27565), (21, 27580), (40, 27760), (49, 27793), (57, 27832), (63, 27862), (Start: 65 @27865 has 1 MA's), (67, 27874), (75, 27910), (84, 27967), (85, 27973), (97, 28036), (108, 28093), (112, 28135), (126, 28237), (135, 28276), (158, 28411),

Gene: AFIS_6 Start: 3288, Stop: 3989, Start Num: 38
Candidate Starts for AFIS_6:
(Start: 38 @3288 has 175 MA's), (Start: 41 @3297 has 11 MA's), (72, 3420), (77, 3450), (85, 3492), (92, 3522), (97, 3552), (112, 3648), (117, 3681), (129, 3768), (142, 3828), (147, 3870), (165, 3972),

Gene: Abbyshoes_7 Start: 3368, Stop: 4078, Start Num: 38
Candidate Starts for Abbyshoes_7:
(Start: 38 @3368 has 175 MA's), (Start: 41 @3377 has 11 MA's), (72, 3500), (77, 3530), (97, 3632), (99, 3641), (103, 3662), (112, 3734), (136, 3881), (142, 3914), (150, 3974), (165, 4061),

Gene: Ablatia_116 Start: 59743, Stop: 60351, Start Num: 71
Candidate Starts for Ablatia_116:
(37, 59608), (Start: 71 @59743 has 188 MA's), (86, 59830), (101, 59902), (111, 59968), (119, 60031), (120, 60043), (125, 60064), (143, 60166), (166, 60307),

Gene: Abrogate_70 Start: 4028, Stop: 4720, Start Num: 41
Candidate Starts for Abrogate_70:
(Start: 38 @4019 has 175 MA's), (Start: 41 @4028 has 11 MA's), (72, 4151), (74, 4160), (77, 4181), (85, 4223), (92, 4253), (97, 4283), (112, 4379), (117, 4412), (129, 4499), (142, 4559), (147, 4601),

Gene: Acme_7 Start: 3201, Stop: 3902, Start Num: 38
Candidate Starts for Acme_7:
(Start: 38 @3201 has 175 MA's), (Start: 41 @3210 has 11 MA's), (72, 3333), (74, 3342), (77, 3363), (85, 3405), (92, 3435), (97, 3465), (112, 3561), (117, 3594), (129, 3681), (142, 3741),

Gene: Adahisdi_7 Start: 3595, Stop: 4296, Start Num: 38
Candidate Starts for Adahisdi_7:

(Start: 38 @3595 has 175 MA's), (Start: 41 @3604 has 11 MA's), (72, 3727), (74, 3736), (77, 3757), (85, 3799), (92, 3829), (97, 3859), (112, 3955), (117, 3988), (129, 4075), (165, 4279),

Gene: Ading_117 Start: 60127, Stop: 60735, Start Num: 71
Candidate Starts for Ading_117:
(37, 59992), (Start: 71 @60127 has 188 MA's), (86, 60214), (101, 60286), (111, 60352), (119, 60415), (120, 60427), (125, 60448), (143, 60550), (166, 60691),

Gene: Adlitam_117 Start: 60144, Stop: 60752, Start Num: 71
Candidate Starts for Adlitam_117:
(37, 60009), (Start: 71 @60144 has 188 MA's), (86, 60231), (101, 60303), (111, 60369), (119, 60432), (120, 60444), (125, 60465), (143, 60567), (166, 60708),

Gene: Adnama_31 Start: 28025, Stop: 28987, Start Num: 11
Candidate Starts for Adnama_31:
(Start: 11 @28025 has 139 MA's), (21, 28088), (23, 28103), (27, 28142), (33, 28208), (63, 28370), (Start: 65 @28373 has 1 MA's), (84, 28472), (91, 28502), (97, 28541), (99, 28550), (125, 28721), (135, 28787), (137, 28793), (145, 28850), (151, 28892), (157, 28922),

Gene: Aeneas_7 Start: 3480, Stop: 4181, Start Num: 38
Candidate Starts for Aeneas_7:
(Start: 38 @3480 has 175 MA's), (Start: 41 @3489 has 11 MA's), (72, 3612), (74, 3621), (77, 3642), (85, 3684), (92, 3714), (97, 3744), (112, 3840), (117, 3873), (129, 3960), (142, 4020), (147, 4062), (165, 4164),

Gene: Agaliana_6 Start: 3404, Stop: 4105, Start Num: 38
Candidate Starts for Agaliana_6:
(Start: 38 @3404 has 175 MA's), (Start: 41 @3413 has 11 MA's), (72, 3536), (74, 3545), (77, 3566), (85, 3608), (92, 3638), (97, 3668), (112, 3764), (117, 3797), (129, 3884), (147, 3986), (165, 4088),

Gene: Ajay_6 Start: 3432, Stop: 4136, Start Num: 38
Candidate Starts for Ajay_6:
(Start: 38 @3432 has 175 MA's), (Start: 41 @3441 has 11 MA's), (73, 3570), (85, 3636), (97, 3696), (108, 3753), (124, 3873), (164, 4107),

Gene: Aldrich_6 Start: 3342, Stop: 4052, Start Num: 38
Candidate Starts for Aldrich_6:
(Start: 38 @3342 has 175 MA's), (Start: 41 @3351 has 11 MA's), (72, 3474), (77, 3504), (97, 3606), (99, 3615), (103, 3636), (112, 3708), (136, 3855), (142, 3888), (150, 3948), (165, 4035),

Gene: Alice_109 Start: 59432, Stop: 60040, Start Num: 71
Candidate Starts for Alice_109:
(37, 59297), (Start: 71 @59432 has 188 MA's), (86, 59519), (101, 59591), (111, 59657), (119, 59720), (120, 59732), (125, 59753), (143, 59855), (146, 59879), (166, 59996),

Gene: Alsfro_10 Start: 4116, Stop: 4820, Start Num: 38
Candidate Starts for Alsfro_10:
(Start: 38 @4116 has 175 MA's), (Start: 41 @4125 has 11 MA's), (73, 4254), (85, 4320), (97, 4380), (108, 4437), (124, 4557), (164, 4791),

Gene: Altman_7 Start: 3938, Stop: 4639, Start Num: 38
Candidate Starts for Altman_7:

(Start: 38 @3938 has 175 MA's), (Start: 41 @3947 has 11 MA's), (72, 4070), (74, 4079), (77, 4100), (85, 4142), (92, 4172), (97, 4202), (112, 4298), (117, 4331), (129, 4418), (165, 4622),

Gene: Alvin_7 Start: 3646, Stop: 4338, Start Num: 38
Candidate Starts for Alvin_7:
(Start: 38 @3646 has 175 MA's), (72, 3775), (88, 3856), (92, 3877), (94, 3886), (97, 3907), (102, 3931), (136, 4150), (160, 4285),

Gene: Amao_28 Start: 26722, Stop: 27684, Start Num: 11
Candidate Starts for Amao_28:
(Start: 11 @26722 has 139 MA's), (21, 26785), (23, 26800), (27, 26839), (33, 26905), (63, 27067), (Start: 65 @27070 has 1 MA's), (84, 27169), (91, 27199), (97, 27238), (99, 27247), (125, 27418), (135, 27484), (137, 27490), (145, 27547), (151, 27589), (156, 27610), (157, 27619),

Gene: Amataga_117 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for Amataga_117:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: AmericanBeauty_30 Start: 27505, Stop: 28467, Start Num: 11
Candidate Starts for AmericanBeauty_30:
(Start: 11 @27505 has 139 MA's), (21, 27568), (23, 27583), (27, 27622), (33, 27688), (63, 27850), (Start: 65 @27853 has 1 MA's), (84, 27952), (91, 27982), (97, 28021), (99, 28030), (125, 28201), (135, 28267), (137, 28273), (145, 28330), (151, 28372), (157, 28402),

Gene: Anglerfish_6 Start: 2963, Stop: 3673, Start Num: 38
Candidate Starts for Anglerfish_6:
(Start: 38 @2963 has 175 MA's), (Start: 41 @2972 has 11 MA's), (72, 3095), (77, 3125), (97, 3227), (99, 3236), (103, 3257), (112, 3329), (136, 3476), (142, 3509), (150, 3569), (165, 3656),

Gene: Applejack_6 Start: 3338, Stop: 4039, Start Num: 38
Candidate Starts for Applejack_6:
(Start: 38 @3338 has 175 MA's), (Start: 41 @3347 has 11 MA's), (72, 3470), (74, 3479), (77, 3500), (85, 3542), (92, 3572), (97, 3602), (112, 3698), (117, 3731), (129, 3818), (142, 3878), (147, 3920), (165, 4022),

Gene: Arcanine_6 Start: 2929, Stop: 3639, Start Num: 38
Candidate Starts for Arcanine_6:
(Start: 38 @2929 has 175 MA's), (Start: 41 @2938 has 11 MA's), (72, 3061), (77, 3091), (97, 3193), (99, 3202), (103, 3223), (112, 3295), (136, 3442), (142, 3475), (150, 3535), (165, 3622),

Gene: ArcherS7_116 Start: 59707, Stop: 60315, Start Num: 71
Candidate Starts for ArcherS7_116:
(37, 59572), (Start: 71 @59707 has 188 MA's), (86, 59794), (101, 59866), (111, 59932), (119, 59995), (120, 60007), (125, 60028), (143, 60130), (166, 60271),

Gene: Argent26_30 Start: 27508, Stop: 28470, Start Num: 11
Candidate Starts for Argent26_30:
(Start: 11 @27508 has 139 MA's), (21, 27571), (23, 27586), (27, 27625), (33, 27691), (63, 27853), (Start: 65 @27856 has 1 MA's), (84, 27955), (91, 27985), (97, 28024), (99, 28033), (125, 28204), (135, 28270), (137, 28276), (145, 28333), (151, 28375), (157, 28405),

Gene: Ariel_38 Start: 32685, Stop: 33635, Start Num: 11

Candidate Starts for Ariel_38:
(Start: 11 @32685 has 139 MA's), (Start: 12 @32688 has 29 MA's), (14, 32703), (18, 32736), (20, 32742), (31, 32832), (34, 32892), (36, 32895), (49, 32961), (50, 32964), (84, 33129), (97, 33198), (121, 33366), (129, 33417), (137, 33447), (141, 33477),

Gene: Arlo_5 Start: 2963, Stop: 3664, Start Num: 38
Candidate Starts for Arlo_5:
(Start: 38 @2963 has 175 MA's), (Start: 41 @2972 has 11 MA's), (72, 3095), (74, 3104), (77, 3125), (85, 3167), (92, 3197), (97, 3227), (112, 3323), (117, 3356), (129, 3443), (147, 3545), (165, 3647),

Gene: Ashballer_4 Start: 2832, Stop: 3542, Start Num: 38
Candidate Starts for Ashballer_4:
(Start: 38 @2832 has 175 MA's), (Start: 41 @2841 has 11 MA's), (72, 2964), (77, 2994), (97, 3096), (99, 3105), (103, 3126), (112, 3198), (136, 3345), (142, 3378), (150, 3438), (165, 3525),

Gene: Ashwin_66 Start: 41826, Stop: 42512, Start Num: 45
Candidate Starts for Ashwin_66:
(Start: 45 @41826 has 7 MA's), (52, 41853), (54, 41862), (58, 41880), (61, 41892), (66, 41913), (73, 41943), (84, 42006), (86, 42015), (97, 42072), (100, 42084), (107, 42126), (120, 42231), (128, 42285), (141, 42354), (145, 42381), (152, 42423), (153, 42426), (158, 42453), (165, 42504),

Gene: Asriel_27 Start: 26386, Stop: 27330, Start Num: 11
Candidate Starts for Asriel_27:
(Start: 11 @26386 has 139 MA's), (14, 26404), (17, 26434), (21, 26449), (40, 26629), (49, 26662), (57, 26701), (63, 26731), (Start: 65 @26734 has 1 MA's), (67, 26743), (75, 26779), (84, 26836), (85, 26842), (97, 26905), (108, 26962), (112, 27004), (126, 27106), (135, 27145), (158, 27280),

Gene: Asterius_120 Start: 60383, Stop: 60991, Start Num: 71
Candidate Starts for Asterius_120:
(37, 60248), (Start: 71 @60383 has 188 MA's), (86, 60470), (101, 60542), (111, 60608), (119, 60671), (120, 60683), (125, 60704), (143, 60806), (166, 60947),

Gene: Astraea_113 Start: 59158, Stop: 59766, Start Num: 71
Candidate Starts for Astraea_113:
(37, 59023), (Start: 71 @59158 has 188 MA's), (86, 59245), (101, 59317), (111, 59383), (119, 59446), (120, 59458), (125, 59479), (143, 59581), (166, 59722),

Gene: Atlantean_116 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for Atlantean_116:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Audrick_119 Start: 59368, Stop: 59976, Start Num: 71
Candidate Starts for Audrick_119:
(37, 59233), (Start: 71 @59368 has 188 MA's), (86, 59455), (101, 59527), (111, 59593), (119, 59656), (120, 59668), (125, 59689), (143, 59791), (166, 59932),

Gene: Ava3_118 Start: 60302, Stop: 60910, Start Num: 71
Candidate Starts for Ava3_118:
(37, 60167), (Start: 71 @60302 has 188 MA's), (86, 60389), (101, 60461), (111, 60527), (119, 60590), (120, 60602), (125, 60623), (143, 60725), (166, 60866),

Gene: Avani_26 Start: 22464, Stop: 23408, Start Num: 12

Candidate Starts for Avani_26:
(10, 22434), (Start: 11 @22461 has 139 MA's), (Start: 12 @22464 has 29 MA's), (14, 22479), (18, 22512), (20, 22518), (27, 22578), (31, 22608), (94, 22953), (97, 22974), (115, 23097), (120, 23133), (125, 23154), (130, 23199), (135, 23217), (145, 23280), (155, 23334), (158, 23352),

Gene: BK1_04 Start: 2921, Stop: 3631, Start Num: 38
Candidate Starts for BK1_04:
(Start: 38 @2921 has 175 MA's), (Start: 41 @2930 has 11 MA's), (72, 3053), (77, 3083), (97, 3185), (99, 3194), (103, 3215), (112, 3287), (136, 3434), (142, 3467), (150, 3527), (165, 3614),

Gene: BPBiebs31_7 Start: 3602, Stop: 4303, Start Num: 38
Candidate Starts for BPBiebs31_7:
(Start: 38 @3602 has 175 MA's), (Start: 41 @3611 has 11 MA's), (72, 3734), (74, 3743), (77, 3764), (85, 3806), (92, 3836), (97, 3866), (112, 3962), (117, 3995), (129, 4082), (142, 4142), (147, 4184), (165, 4286),

Gene: BaboJay_27 Start: 27068, Stop: 28030, Start Num: 11
Candidate Starts for BaboJay_27:
(Start: 11 @27068 has 139 MA's), (21, 27131), (23, 27146), (27, 27185), (33, 27251), (63, 27413), (Start: 65 @27416 has 1 MA's), (84, 27515), (91, 27545), (97, 27584), (99, 27593), (125, 27764), (135, 27830), (137, 27836), (145, 27893), (151, 27935), (157, 27965),

Gene: Babyland_118 Start: 59477, Stop: 60085, Start Num: 71
Candidate Starts for Babyland_118:
(37, 59342), (Start: 71 @59477 has 188 MA's), (86, 59564), (101, 59636), (111, 59702), (119, 59765), (120, 59777), (125, 59798), (143, 59900), (166, 60041),

Gene: BackyardAgain_114 Start: 59305, Stop: 59913, Start Num: 71
Candidate Starts for BackyardAgain_114:
(37, 59170), (Start: 71 @59305 has 188 MA's), (86, 59392), (101, 59464), (111, 59530), (119, 59593), (120, 59605), (125, 59626), (143, 59728), (166, 59869),

Gene: BaconJack_7 Start: 3186, Stop: 3887, Start Num: 38
Candidate Starts for BaconJack_7:
(Start: 38 @3186 has 175 MA's), (Start: 41 @3195 has 11 MA's), (72, 3318), (74, 3327), (77, 3348), (85, 3390), (92, 3420), (97, 3450), (112, 3546), (117, 3579), (129, 3666), (147, 3768), (165, 3870),

Gene: BadAgartude_113 Start: 60594, Stop: 61202, Start Num: 71
Candidate Starts for BadAgartude_113:
(37, 60459), (Start: 71 @60594 has 188 MA's), (86, 60681), (101, 60753), (111, 60819), (119, 60882), (120, 60894), (125, 60915), (143, 61017), (166, 61158),

Gene: BadStone_27 Start: 27517, Stop: 28461, Start Num: 11
Candidate Starts for BadStone_27:
(Start: 11 @27517 has 139 MA's), (14, 27535), (17, 27565), (21, 27580), (40, 27760), (49, 27793), (57, 27832), (63, 27862), (Start: 65 @27865 has 1 MA's), (67, 27874), (75, 27910), (84, 27967), (85, 27973), (97, 28036), (108, 28093), (112, 28135), (126, 28237), (135, 28276), (158, 28411),

Gene: Balomoji_27 Start: 27251, Stop: 28195, Start Num: 11
Candidate Starts for Balomoji_27:
(Start: 11 @27251 has 139 MA's), (14, 27269), (17, 27299), (21, 27314), (40, 27494), (49, 27527), (57, 27566), (63, 27596), (Start: 65 @27599 has 1 MA's), (67, 27608), (75, 27644), (84, 27701), (85, 27707), (97, 27770), (108, 27827), (112, 27869), (126, 27971), (135, 28010), (158, 28145),

Gene: BananaFence_116 Start: 60558, Stop: 61166, Start Num: 71
Candidate Starts for BananaFence_116:
(37, 60423), (Start: 71 @60558 has 188 MA's), (86, 60645), (101, 60717), (111, 60783), (119, 60846), (120, 60858), (125, 60879), (143, 60981), (166, 61122),

Gene: Bangla1971_118 Start: 59837, Stop: 60445, Start Num: 71
Candidate Starts for Bangla1971_118:
(37, 59702), (Start: 71 @59837 has 188 MA's), (86, 59924), (101, 59996), (111, 60062), (119, 60125), (120, 60137), (125, 60158), (143, 60260), (166, 60401),

Gene: Barbarian_27 Start: 26386, Stop: 27330, Start Num: 11
Candidate Starts for Barbarian_27:
(Start: 11 @26386 has 139 MA's), (14, 26404), (17, 26434), (21, 26449), (40, 26629), (49, 26662), (57, 26701), (63, 26731), (Start: 65 @26734 has 1 MA's), (67, 26743), (75, 26779), (84, 26836), (85, 26842), (97, 26905), (108, 26962), (112, 27004), (126, 27106), (135, 27145), (158, 27280),

Gene: Barriga_6 Start: 3218, Stop: 3919, Start Num: 38
Candidate Starts for Barriga_6:
(Start: 38 @3218 has 175 MA's), (Start: 41 @3227 has 11 MA's), (72, 3350), (77, 3380), (85, 3422), (92, 3452), (97, 3482), (112, 3578), (117, 3611), (129, 3698), (142, 3758), (147, 3800), (165, 3902),

Gene: BarrowTuph_5 Start: 3285, Stop: 3989, Start Num: 38
Candidate Starts for BarrowTuph_5:
(Start: 38 @3285 has 175 MA's), (Start: 41 @3294 has 11 MA's), (73, 3423), (85, 3489), (97, 3549), (108, 3606), (124, 3726), (164, 3960),

Gene: Bask21_28 Start: 26703, Stop: 27647, Start Num: 11
Candidate Starts for Bask21_28:
(Start: 11 @26703 has 139 MA's), (14, 26721), (21, 26766), (40, 26946), (49, 26979), (57, 27018), (63, 27048), (Start: 65 @27051 has 1 MA's), (67, 27060), (84, 27153), (85, 27159), (97, 27222), (108, 27279), (112, 27321), (116, 27348), (135, 27462), (150, 27564),

Gene: Basquiat_113 Start: 59031, Stop: 59639, Start Num: 71
Candidate Starts for Basquiat_113:
(37, 58896), (Start: 71 @59031 has 188 MA's), (86, 59118), (101, 59190), (111, 59256), (119, 59319), (120, 59331), (125, 59352), (143, 59454), (166, 59595),

Gene: BeanWater_109 Start: 60156, Stop: 60764, Start Num: 71
Candidate Starts for BeanWater_109:
(37, 60021), (Start: 71 @60156 has 188 MA's), (86, 60243), (101, 60315), (111, 60381), (119, 60444), (120, 60456), (125, 60477), (143, 60579), (166, 60720),

Gene: Beatrix_5 Start: 3035, Stop: 3730, Start Num: 38
Candidate Starts for Beatrix_5:
(Start: 38 @3035 has 175 MA's), (69, 3152), (92, 3269), (94, 3278), (97, 3299), (108, 3353), (110, 3362), (129, 3512), (137, 3542), (138, 3548), (148, 3617), (150, 3629),

Gene: Becksu_28 Start: 27701, Stop: 28663, Start Num: 11
Candidate Starts for Becksu_28:
(Start: 11 @27701 has 139 MA's), (21, 27764), (23, 27779), (27, 27818), (33, 27884), (63, 28046), (Start: 65 @28049 has 1 MA's), (84, 28148), (91, 28178), (97, 28217), (99, 28226), (125, 28397), (135, 28463), (137, 28469), (145, 28526), (151, 28568), (157, 28598),

Gene: Belieber_112 Start: 59631, Stop: 60239, Start Num: 71
Candidate Starts for Belieber_112:
(37, 59496), (Start: 71 @59631 has 188 MA's), (86, 59718), (101, 59790), (111, 59856), (119, 59919), (120, 59931), (125, 59952), (143, 60054), (166, 60195),

Gene: Bench_30 Start: 27378, Stop: 28340, Start Num: 11
Candidate Starts for Bench_30:
(Start: 11 @27378 has 139 MA's), (21, 27441), (23, 27456), (27, 27495), (33, 27561), (63, 27723), (Start: 65 @27726 has 1 MA's), (84, 27825), (91, 27855), (97, 27894), (99, 27903), (125, 28074), (135, 28140), (137, 28146), (145, 28203), (151, 28245), (157, 28275),

Gene: Bethlehem_6 Start: 3609, Stop: 4310, Start Num: 38
Candidate Starts for Bethlehem_6:
(Start: 38 @3609 has 175 MA's), (Start: 41 @3618 has 11 MA's), (72, 3741), (74, 3750), (77, 3771), (85, 3813), (92, 3843), (97, 3873), (112, 3969), (117, 4002), (129, 4089), (142, 4149), (165, 4293),

Gene: Bexan_5 Start: 3035, Stop: 3730, Start Num: 38
Candidate Starts for Bexan_5:
(Start: 38 @3035 has 175 MA's), (69, 3152), (92, 3269), (94, 3278), (97, 3299), (108, 3353), (110, 3362), (129, 3512), (137, 3542), (138, 3548), (148, 3617), (150, 3629),

Gene: Big3_6 Start: 2980, Stop: 3672, Start Num: 38
Candidate Starts for Big3_6:
(Start: 38 @2980 has 175 MA's), (72, 3109), (88, 3190), (92, 3211), (94, 3220), (97, 3241), (102, 3265), (136, 3484), (160, 3619),

Gene: BigBubba_29 Start: 27281, Stop: 28243, Start Num: 11
Candidate Starts for BigBubba_29:
(Start: 11 @27281 has 139 MA's), (21, 27344), (23, 27359), (27, 27398), (33, 27464), (63, 27626), (Start: 65 @27629 has 1 MA's), (84, 27728), (91, 27758), (97, 27797), (99, 27806), (125, 27977), (135, 28043), (137, 28049), (145, 28106), (151, 28148), (157, 28178),

Gene: BigCity_124 Start: 62818, Stop: 63426, Start Num: 71
Candidate Starts for BigCity_124:
(37, 62683), (Start: 71 @62818 has 188 MA's), (86, 62905), (101, 62977), (111, 63043), (119, 63106), (120, 63118), (125, 63139), (143, 63241), (166, 63382),

Gene: BigPaolini_7 Start: 3995, Stop: 4696, Start Num: 38
Candidate Starts for BigPaolini_7:
(Start: 38 @3995 has 175 MA's), (Start: 41 @4004 has 11 MA's), (72, 4127), (74, 4136), (77, 4157), (85, 4199), (92, 4229), (97, 4259), (112, 4355), (117, 4388), (129, 4475), (142, 4535), (147, 4577), (165, 4679),

Gene: Bigchungi_5 Start: 2863, Stop: 3564, Start Num: 38
Candidate Starts for Bigchungi_5:
(Start: 38 @2863 has 175 MA's), (Start: 41 @2872 has 11 MA's), (72, 2995), (74, 3004), (77, 3025), (85, 3067), (92, 3097), (97, 3127), (112, 3223), (117, 3256), (129, 3343), (142, 3403), (165, 3547),

Gene: Bigfoot_5 Start: 3094, Stop: 3795, Start Num: 38
Candidate Starts for Bigfoot_5:
(Start: 38 @3094 has 175 MA's), (Start: 41 @3103 has 11 MA's), (72, 3226), (74, 3235), (77, 3256), (85, 3298), (92, 3328), (97, 3358), (112, 3454), (117, 3487), (129, 3574), (165, 3778),

Gene: Bigswole_120 Start: 62103, Stop: 62711, Start Num: 71
Candidate Starts for Bigswole_120:
(37, 61968), (Start: 71 @62103 has 188 MA's), (86, 62190), (101, 62262), (111, 62328), (119, 62391), (120, 62403), (125, 62424), (143, 62526), (166, 62667),

Gene: BilboSwaggins_28 Start: 27524, Stop: 28468, Start Num: 11
Candidate Starts for BilboSwaggins_28:
(Start: 11 @27524 has 139 MA's), (14, 27542), (21, 27587), (40, 27767), (49, 27800), (57, 27839), (63, 27869), (Start: 65 @27872 has 1 MA's), (67, 27881), (84, 27974), (85, 27980), (97, 28043), (108, 28100), (112, 28142), (116, 28169), (135, 28283), (150, 28385),

Gene: BillKnuckles_6 Start: 3460, Stop: 4170, Start Num: 38
Candidate Starts for BillKnuckles_6:
(Start: 38 @3460 has 175 MA's), (Start: 41 @3469 has 11 MA's), (72, 3592), (77, 3622), (97, 3724), (99, 3733), (103, 3754), (112, 3826), (136, 3973), (142, 4006), (150, 4066), (165, 4153),

Gene: Bipolar_20 Start: 22733, Stop: 23677, Start Num: 12
Candidate Starts for Bipolar_20:
(10, 22703), (Start: 11 @22730 has 139 MA's), (Start: 12 @22733 has 29 MA's), (14, 22748), (17, 22778), (18, 22781), (20, 22787), (34, 22937), (36, 22940), (49, 23006), (50, 23009), (85, 23180), (96, 23237), (97, 23243), (129, 23462), (137, 23492), (155, 23603),

Gene: Bipolarisk_116 Start: 60560, Stop: 61168, Start Num: 71
Candidate Starts for Bipolarisk_116:
(37, 60425), (Start: 71 @60560 has 188 MA's), (86, 60647), (101, 60719), (111, 60785), (119, 60848), (120, 60860), (125, 60881), (143, 60983), (166, 61124),

Gene: Bircsak_6 Start: 3571, Stop: 4260, Start Num: 43
Candidate Starts for Bircsak_6:
(Start: 43 @3571 has 1 MA's), (46, 3580), (97, 3832), (106, 3883), (145, 4135),

Gene: Blackbrain_112 Start: 58852, Stop: 59460, Start Num: 71
Candidate Starts for Blackbrain_112:
(37, 58717), (Start: 71 @58852 has 188 MA's), (86, 58939), (101, 59011), (111, 59077), (119, 59140), (120, 59152), (125, 59173), (143, 59275), (166, 59416),

Gene: Blackdragon_112 Start: 59985, Stop: 60593, Start Num: 71
Candidate Starts for Blackdragon_112:
(37, 59850), (Start: 71 @59985 has 188 MA's), (86, 60072), (101, 60144), (111, 60210), (119, 60273), (120, 60285), (125, 60306), (143, 60408), (166, 60549),

Gene: Blackflame_5 Start: 2881, Stop: 3573, Start Num: 41
Candidate Starts for Blackflame_5:
(Start: 38 @2872 has 175 MA's), (Start: 41 @2881 has 11 MA's), (72, 3004), (74, 3013), (77, 3034), (85, 3076), (92, 3106), (97, 3136), (112, 3232), (117, 3265), (129, 3352), (142, 3412), (147, 3454), (165, 3556),

Gene: Blarby_28 Start: 22525, Stop: 23256, Start Num: 36
Candidate Starts for Blarby_28:
(1, 22054), (2, 22096), (3, 22156), (5, 22219), (6, 22228), (7, 22255), (8, 22261), (9, 22279), (13, 22318), (16, 22339), (Start: 19 @22366 has 1 MA's), (22, 22384), (Start: 24 @22396 has 1 MA's), (29, 22441), (36, 22525), (47, 22585), (56, 22627), (60, 22645), (62, 22654), (69, 22678), (73, 22699), (85,

22765), (97, 22825), (108, 22882), (112, 22921), (116, 22954), (124, 23002), (140, 23092), (164, 23230),

Gene: Blesser_4 Start: 2808, Stop: 3509, Start Num: 38
Candidate Starts for Blesser_4:
(Start: 38 @2808 has 175 MA's), (Start: 41 @2817 has 11 MA's), (72, 2940), (74, 2949), (85, 3012), (92, 3042), (97, 3072), (112, 3168), (117, 3201), (129, 3288), (142, 3348), (162, 3459), (165, 3492),

Gene: Blubba_107 Start: 60594, Stop: 61202, Start Num: 71
Candidate Starts for Blubba_107:
(37, 60459), (Start: 71 @60594 has 188 MA's), (86, 60681), (97, 60741), (101, 60753), (111, 60819), (119, 60882), (120, 60894), (125, 60915), (143, 61017), (166, 61158),

Gene: Blue_6 Start: 3463, Stop: 4164, Start Num: 38
Candidate Starts for Blue_6:
(Start: 38 @3463 has 175 MA's), (Start: 41 @3472 has 11 MA's), (44, 3484), (72, 3595), (74, 3604), (77, 3625), (85, 3667), (92, 3697), (97, 3727), (112, 3823), (117, 3856), (129, 3943), (142, 4003), (147, 4045),

Gene: BobaPhatt_114 Start: 58920, Stop: 59528, Start Num: 71
Candidate Starts for BobaPhatt_114:
(37, 58785), (Start: 71 @58920 has 188 MA's), (86, 59007), (101, 59079), (111, 59145), (119, 59208), (120, 59220), (125, 59241), (143, 59343), (166, 59484),

Gene: Bogg_28 Start: 26418, Stop: 27380, Start Num: 11
Candidate Starts for Bogg_28:
(Start: 11 @26418 has 139 MA's), (21, 26481), (23, 26496), (27, 26535), (33, 26601), (63, 26763), (Start: 65 @26766 has 1 MA's), (84, 26865), (91, 26895), (97, 26934), (99, 26943), (125, 27114), (135, 27180), (137, 27186), (145, 27243), (151, 27285), (157, 27315),

Gene: Bogie_26 Start: 24022, Stop: 24717, Start Num: 39
Candidate Starts for Bogie_26:
(Start: 39 @24022 has 5 MA's), (53, 24076), (59, 24109), (64, 24121), (77, 24184), (78, 24190), (81, 24211), (82, 24214), (83, 24217), (87, 24229), (99, 24277), (102, 24292), (104, 24301), (125, 24448), (127, 24475), (131, 24496), (138, 24526), (144, 24571), (149, 24613), (158, 24646),

Gene: Bonray_117 Start: 60733, Stop: 61341, Start Num: 71
Candidate Starts for Bonray_117:
(4, 60214), (37, 60598), (Start: 71 @60733 has 188 MA's), (86, 60820), (101, 60892), (111, 60958), (119, 61021), (120, 61033), (125, 61054), (143, 61156), (166, 61297),

Gene: Bowman_119 Start: 60294, Stop: 60902, Start Num: 71
Candidate Starts for Bowman_119:
(37, 60159), (Start: 71 @60294 has 188 MA's), (86, 60381), (101, 60453), (111, 60519), (119, 60582), (120, 60594), (125, 60615), (143, 60717), (166, 60858),

Gene: Bread_116 Start: 60388, Stop: 60996, Start Num: 71
Candidate Starts for Bread_116:
(37, 60253), (Start: 71 @60388 has 188 MA's), (86, 60475), (101, 60547), (111, 60613), (119, 60676), (120, 60688), (125, 60709), (143, 60811), (166, 60952),

Gene: Breeniome_116 Start: 58736, Stop: 59344, Start Num: 71
Candidate Starts for Breeniome_116:

(37, 58601), (Start: 71 @58736 has 188 MA's), (86, 58823), (101, 58895), (111, 58961), (119, 59024), (120, 59036), (125, 59057), (143, 59159), (166, 59300),

Gene: Brewer_28 Start: 27766, Stop: 28728, Start Num: 11
Candidate Starts for Brewer_28:
(Start: 11 @27766 has 139 MA's), (21, 27829), (23, 27844), (27, 27883), (33, 27949), (63, 28111), (Start: 65 @28114 has 1 MA's), (84, 28213), (91, 28243), (97, 28282), (99, 28291), (125, 28462), (135, 28528), (137, 28534), (145, 28591), (151, 28633), (157, 28663),

Gene: BronnyJames_32 Start: 31246, Stop: 32181, Start Num: 12
Candidate Starts for BronnyJames_32:
(10, 31216), (Start: 11 @31243 has 139 MA's), (Start: 12 @31246 has 29 MA's), (14, 31261), (17, 31291), (18, 31294), (20, 31300), (84, 31687), (85, 31693), (97, 31756), (108, 31813), (112, 31855), (116, 31882), (135, 31996), (150, 32098),

Gene: Brookers_21 Start: 22562, Stop: 23509, Start Num: 12
Candidate Starts for Brookers_21:
(Start: 11 @22559 has 139 MA's), (Start: 12 @22562 has 29 MA's), (14, 22577), (17, 22607), (18, 22610), (20, 22616), (97, 23069), (163, 23468),

Gene: Bruin_28 Start: 27538, Stop: 28500, Start Num: 11
Candidate Starts for Bruin_28:
(Start: 11 @27538 has 139 MA's), (21, 27601), (23, 27616), (27, 27655), (33, 27721), (63, 27883), (Start: 65 @27886 has 1 MA's), (84, 27985), (91, 28015), (97, 28054), (99, 28063), (125, 28234), (135, 28300), (137, 28306), (145, 28363), (151, 28405), (157, 28435),

Gene: Brujita_27 Start: 24377, Stop: 25072, Start Num: 39
Candidate Starts for Brujita_27:
(Start: 39 @24377 has 5 MA's), (53, 24431), (59, 24464), (64, 24476), (77, 24539), (78, 24545), (81, 24566), (82, 24569), (83, 24572), (87, 24584), (99, 24632), (102, 24647), (104, 24656), (125, 24803), (127, 24830), (131, 24851), (138, 24881), (144, 24926), (149, 24968), (158, 25001),

Gene: Bruns_4 Start: 2779, Stop: 3474, Start Num: 41
Candidate Starts for Bruns_4:
(Start: 38 @2770 has 175 MA's), (Start: 41 @2779 has 11 MA's), (72, 2902), (85, 2974), (95, 3019), (97, 3034), (99, 3043), (112, 3133), (142, 3313), (165, 3457),

Gene: Buck_27 Start: 27474, Stop: 28436, Start Num: 11
Candidate Starts for Buck_27:
(Start: 11 @27474 has 139 MA's), (21, 27537), (23, 27552), (27, 27591), (33, 27657), (63, 27819), (Start: 65 @27822 has 1 MA's), (84, 27921), (91, 27951), (97, 27990), (99, 27999), (125, 28170), (135, 28236), (137, 28242), (145, 28299), (151, 28341), (157, 28371),

Gene: Budgie_30 Start: 26891, Stop: 27862, Start Num: 11
Candidate Starts for Budgie_30:
(Start: 11 @26891 has 139 MA's), (14, 26909), (21, 26954), (40, 27134), (49, 27167), (57, 27206), (84, 27338), (87, 27350), (93, 27377), (97, 27407), (98, 27416), (106, 27464), (118, 27554), (137, 27665),

Gene: BugsBunny_26 Start: 27107, Stop: 28069, Start Num: 11
Candidate Starts for BugsBunny_26:
(Start: 11 @27107 has 139 MA's), (21, 27170), (23, 27185), (27, 27224), (33, 27290), (63, 27452), (Start: 65 @27455 has 1 MA's), (84, 27554), (91, 27584), (97, 27623), (99, 27632), (125, 27803), (135, 27869), (137, 27875), (145, 27932), (151, 27974), (157, 28004),

Gene: Burrough_117 Start: 60887, Stop: 61495, Start Num: 71
Candidate Starts for Burrough_117:
(37, 60752), (Start: 71 @60887 has 188 MA's), (86, 60974), (101, 61046), (111, 61112), (119, 61175), (120, 61187), (125, 61208), (143, 61310), (166, 61451),

Gene: Buttons_6 Start: 2980, Stop: 3681, Start Num: 38
Candidate Starts for Buttons_6:
(Start: 38 @2980 has 175 MA's), (Start: 41 @2989 has 11 MA's), (72, 3112), (74, 3121), (77, 3142), (85, 3184), (94, 3223), (97, 3244), (112, 3340), (117, 3373), (129, 3460), (142, 3520), (147, 3562), (162, 3631), (165, 3664),

Gene: Bxb1_5 Start: 3371, Stop: 4081, Start Num: 38
Candidate Starts for Bxb1_5:
(Start: 38 @3371 has 175 MA's), (Start: 41 @3380 has 11 MA's), (72, 3503), (77, 3533), (97, 3635), (99, 3644), (103, 3665), (112, 3737), (136, 3884), (142, 3917), (150, 3977), (165, 4064),

Gene: Bxz1_114 Start: 62090, Stop: 62698, Start Num: 71
Candidate Starts for Bxz1_114:
(37, 61955), (Start: 71 @62090 has 188 MA's), (86, 62177), (101, 62249), (111, 62315), (119, 62378), (120, 62390), (125, 62411), (143, 62513), (166, 62654),

Gene: Cactojaque_112 Start: 58959, Stop: 59567, Start Num: 71
Candidate Starts for Cactojaque_112:
(37, 58824), (Start: 71 @58959 has 188 MA's), (86, 59046), (101, 59118), (111, 59184), (119, 59247), (120, 59259), (125, 59280), (143, 59382), (166, 59523),

Gene: Cactus_29 Start: 26736, Stop: 27680, Start Num: 11
Candidate Starts for Cactus_29:
(Start: 11 @26736 has 139 MA's), (14, 26754), (21, 26799), (40, 26979), (49, 27012), (57, 27051), (63, 27081), (Start: 65 @27084 has 1 MA's), (67, 27093), (84, 27186), (85, 27192), (97, 27255), (108, 27312), (112, 27354), (116, 27381), (135, 27495), (150, 27597),

Gene: CactusRose_5 Start: 3093, Stop: 3794, Start Num: 38
Candidate Starts for CactusRose_5:
(Start: 38 @3093 has 175 MA's), (Start: 41 @3102 has 11 MA's), (72, 3225), (74, 3234), (77, 3255), (85, 3297), (92, 3327), (97, 3357), (112, 3453), (117, 3486), (129, 3573), (165, 3777),

Gene: Cali_112 Start: 60889, Stop: 61497, Start Num: 71
Candidate Starts for Cali_112:
(37, 60754), (Start: 71 @60889 has 188 MA's), (86, 60976), (101, 61048), (111, 61114), (119, 61177), (120, 61189), (125, 61210), (143, 61312), (166, 61453),

Gene: Cane17_107 Start: 60652, Stop: 61260, Start Num: 71
Candidate Starts for Cane17_107:
(37, 60517), (Start: 71 @60652 has 188 MA's), (86, 60739), (97, 60799), (101, 60811), (111, 60877), (119, 60940), (120, 60952), (125, 60973), (143, 61075), (154, 61135), (166, 61216),

Gene: Capablanca_119 Start: 61139, Stop: 61747, Start Num: 71
Candidate Starts for Capablanca_119:
(37, 61004), (Start: 71 @61139 has 188 MA's), (86, 61226), (101, 61298), (111, 61364), (119, 61427), (120, 61439), (125, 61460), (143, 61562), (166, 61703),

Gene: Caravan_111 Start: 60246, Stop: 60854, Start Num: 71
Candidate Starts for Caravan_111:
(37, 60111), (Start: 71 @60246 has 188 MA's), (86, 60333), (101, 60405), (111, 60471), (119, 60534), (120, 60546), (125, 60567), (143, 60669), (166, 60810),

Gene: Carlyle_8 Start: 3934, Stop: 4644, Start Num: 38
Candidate Starts for Carlyle_8:
(Start: 38 @3934 has 175 MA's), (Start: 41 @3943 has 11 MA's), (72, 4066), (77, 4096), (97, 4198), (99, 4207), (103, 4228), (112, 4300), (136, 4447), (142, 4480), (150, 4540), (165, 4627),

Gene: CartmannCramer_5 Start: 3299, Stop: 4009, Start Num: 38
Candidate Starts for CartmannCramer_5:
(Start: 38 @3299 has 175 MA's), (Start: 41 @3308 has 11 MA's), (72, 3431), (77, 3461), (97, 3563), (99, 3572), (103, 3593), (112, 3665), (136, 3812), (142, 3845), (150, 3905), (165, 3992),

Gene: CatBus_6 Start: 3534, Stop: 4244, Start Num: 38
Candidate Starts for CatBus_6:
(Start: 38 @3534 has 175 MA's), (Start: 41 @3543 has 11 MA's), (72, 3666), (77, 3696), (97, 3798), (99, 3807), (103, 3828), (112, 3900), (136, 4047), (142, 4080), (150, 4140), (165, 4227),

Gene: Catera_113 Start: 59163, Stop: 59771, Start Num: 71
Candidate Starts for Catera_113:
(37, 59028), (Start: 71 @59163 has 188 MA's), (86, 59250), (101, 59322), (111, 59388), (119, 59451), (120, 59463), (125, 59484), (143, 59586), (166, 59727),

Gene: Chargie21_113 Start: 59031, Stop: 59639, Start Num: 71
Candidate Starts for Chargie21_113:
(37, 58896), (Start: 71 @59031 has 188 MA's), (86, 59118), (101, 59190), (111, 59256), (119, 59319), (120, 59331), (125, 59352), (143, 59454), (166, 59595),

Gene: CharlieB_113 Start: 59293, Stop: 59901, Start Num: 71
Candidate Starts for CharlieB_113:
(37, 59158), (Start: 71 @59293 has 188 MA's), (86, 59380), (101, 59452), (111, 59518), (119, 59581), (120, 59593), (125, 59614), (143, 59716), (166, 59857),

Gene: ChaylaJr_112 Start: 58785, Stop: 59393, Start Num: 71
Candidate Starts for ChaylaJr_112:
(37, 58650), (Start: 71 @58785 has 188 MA's), (86, 58872), (101, 58944), (111, 59010), (119, 59073), (120, 59085), (125, 59106), (143, 59208), (166, 59349),

Gene: Che9d_26 Start: 22472, Stop: 23416, Start Num: 12
Candidate Starts for Che9d_26:
(Start: 11 @22469 has 139 MA's), (Start: 12 @22472 has 29 MA's), (18, 22520), (23, 22547), (31, 22616), (32, 22628), (48, 22742), (94, 22961), (97, 22982), (115, 23105), (120, 23141), (125, 23162), (130, 23207), (135, 23225), (145, 23288), (155, 23342), (158, 23360),

Gene: ChickenPhender_113 Start: 59088, Stop: 59696, Start Num: 71
Candidate Starts for ChickenPhender_113:
(37, 58953), (Start: 71 @59088 has 188 MA's), (86, 59175), (101, 59247), (111, 59313), (119, 59376), (120, 59388), (125, 59409), (143, 59511), (166, 59652),

Gene: Chomp_116 Start: 60678, Stop: 61286, Start Num: 71
Candidate Starts for Chomp_116:

(37, 60543), (Start: 71 @60678 has 188 MA's), (86, 60765), (101, 60837), (111, 60903), (119, 60966), (120, 60978), (125, 60999), (143, 61101), (166, 61242),

Gene: ChotaBhai_28 Start: 26764, Stop: 27726, Start Num: 11
Candidate Starts for ChotaBhai_28:
(Start: 11 @26764 has 139 MA's), (21, 26827), (23, 26842), (27, 26881), (33, 26947), (63, 27109), (Start: 65 @27112 has 1 MA's), (84, 27211), (91, 27241), (97, 27280), (99, 27289), (125, 27460), (135, 27526), (137, 27532), (145, 27589), (151, 27631), (157, 27661),

Gene: ChristmasHams_6 Start: 3404, Stop: 4105, Start Num: 38
Candidate Starts for ChristmasHams_6:
(Start: 38 @3404 has 175 MA's), (Start: 41 @3413 has 11 MA's), (72, 3536), (74, 3545), (77, 3566), (85, 3608), (92, 3638), (97, 3668), (112, 3764), (117, 3797), (129, 3884), (147, 3986), (165, 4088),

Gene: Ciao_6 Start: 3325, Stop: 4026, Start Num: 38
Candidate Starts for Ciao_6:
(Start: 38 @3325 has 175 MA's), (Start: 41 @3334 has 11 MA's), (72, 3457), (74, 3466), (77, 3487), (85, 3529), (92, 3559), (97, 3589), (112, 3685), (117, 3718), (129, 3805), (147, 3907), (165, 4009),

Gene: CindyLou_118 Start: 60718, Stop: 61326, Start Num: 71
Candidate Starts for CindyLou_118:
(37, 60583), (Start: 71 @60718 has 188 MA's), (86, 60805), (101, 60877), (111, 60943), (119, 61006), (120, 61018), (125, 61039), (143, 61141), (166, 61282),

Gene: Cjw1_28 Start: 28278, Stop: 29240, Start Num: 11
Candidate Starts for Cjw1_28:
(Start: 11 @28278 has 139 MA's), (21, 28341), (23, 28356), (27, 28395), (33, 28461), (63, 28623), (Start: 65 @28626 has 1 MA's), (84, 28725), (91, 28755), (97, 28794), (99, 28803), (125, 28974), (135, 29040), (137, 29046), (145, 29103), (151, 29145), (157, 29175),

Gene: Clank_20 Start: 22854, Stop: 23792, Start Num: 11
Candidate Starts for Clank_20:
(10, 22827), (Start: 11 @22854 has 139 MA's), (Start: 12 @22857 has 29 MA's), (14, 22872), (17, 22902), (18, 22905), (20, 22911), (84, 23298), (85, 23304), (97, 23367), (108, 23424), (112, 23466), (116, 23493), (135, 23607), (150, 23709),

Gene: Cleatunium_110 Start: 59375, Stop: 59983, Start Num: 71
Candidate Starts for Cleatunium_110:
(4, 58856), (37, 59240), (Start: 71 @59375 has 188 MA's), (86, 59462), (101, 59534), (111, 59600), (119, 59663), (120, 59675), (125, 59696), (143, 59798), (166, 59939),

Gene: Coco12_22 Start: 23103, Stop: 24053, Start Num: 11
Candidate Starts for Coco12_22:
(Start: 11 @23103 has 139 MA's), (Start: 12 @23106 has 29 MA's), (14, 23121), (17, 23151), (18, 23154), (20, 23160), (97, 23613), (163, 24012),

Gene: Colt_108 Start: 61248, Stop: 61856, Start Num: 71
Candidate Starts for Colt_108:
(37, 61113), (Start: 71 @61248 has 188 MA's), (86, 61335), (97, 61395), (101, 61407), (111, 61473), (119, 61536), (120, 61548), (125, 61569), (143, 61671), (154, 61731), (166, 61812),

Gene: Command613_29 Start: 27792, Stop: 28736, Start Num: 11
Candidate Starts for Command613_29:

(Start: 11 @27792 has 139 MA's), (14, 27810), (21, 27855), (40, 28035), (49, 28068), (57, 28107), (63, 28137), (Start: 65 @28140 has 1 MA's), (67, 28149), (84, 28242), (85, 28248), (97, 28311), (108, 28368), (112, 28410), (116, 28437), (135, 28551), (150, 28653),

Gene: ConceptII_6 Start: 3574, Stop: 4275, Start Num: 38
Candidate Starts for ConceptII_6:
(Start: 38 @3574 has 175 MA's), (Start: 41 @3583 has 11 MA's), (72, 3706), (74, 3715), (77, 3736), (85, 3778), (92, 3808), (97, 3838), (112, 3934), (117, 3967), (129, 4054), (165, 4258),

Gene: Concombre_122 Start: 63051, Stop: 63659, Start Num: 71
Candidate Starts for Concombre_122:
(26, 62775), (37, 62916), (Start: 71 @63051 has 188 MA's), (86, 63138), (111, 63276), (119, 63339), (120, 63351), (125, 63372), (143, 63474), (166, 63615),

Gene: Contagion_27 Start: 27022, Stop: 27984, Start Num: 11
Candidate Starts for Contagion_27:
(Start: 11 @27022 has 139 MA's), (21, 27085), (23, 27100), (27, 27139), (33, 27205), (63, 27367), (Start: 65 @27370 has 1 MA's), (84, 27469), (91, 27499), (97, 27538), (99, 27547), (125, 27718), (135, 27784), (137, 27790), (145, 27847), (151, 27889), (157, 27919),

Gene: Cookies_28 Start: 27387, Stop: 28349, Start Num: 11
Candidate Starts for Cookies_28:
(Start: 11 @27387 has 139 MA's), (21, 27450), (23, 27465), (27, 27504), (33, 27570), (63, 27732), (Start: 65 @27735 has 1 MA's), (84, 27834), (91, 27864), (97, 27903), (99, 27912), (125, 28083), (135, 28149), (137, 28155), (145, 28212), (151, 28254), (157, 28284),

Gene: Cornie_22 Start: 23599, Stop: 24543, Start Num: 12
Candidate Starts for Cornie_22:
(10, 23569), (Start: 11 @23596 has 139 MA's), (Start: 12 @23599 has 29 MA's), (18, 23647), (20, 23653), (27, 23713), (31, 23743), (49, 23872), (50, 23875), (85, 24046), (96, 24103), (97, 24109), (129, 24328), (137, 24358), (155, 24469),

Gene: Corvo_6 Start: 3520, Stop: 4221, Start Num: 38
Candidate Starts for Corvo_6:
(Start: 38 @3520 has 175 MA's), (Start: 41 @3529 has 11 MA's), (72, 3652), (74, 3661), (77, 3682), (85, 3724), (92, 3754), (97, 3784), (112, 3880), (117, 3913), (129, 4000), (147, 4102), (165, 4204),

Gene: Courthouse_38 Start: 33092, Stop: 34039, Start Num: 12
Candidate Starts for Courthouse_38:
(Start: 11 @33089 has 139 MA's), (Start: 12 @33092 has 29 MA's), (14, 33107), (18, 33140), (20, 33146), (31, 33236), (34, 33296), (36, 33299), (49, 33365), (50, 33368), (84, 33533), (97, 33602), (121, 33770), (129, 33821), (137, 33851), (141, 33881),

Gene: Crispicous1_5 Start: 2816, Stop: 3508, Start Num: 38
Candidate Starts for Crispicous1_5:
(Start: 38 @2816 has 175 MA's), (72, 2945), (88, 3026), (92, 3047), (94, 3056), (97, 3077), (102, 3101), (136, 3320), (160, 3455),

Gene: CrystalP_28 Start: 27524, Stop: 28468, Start Num: 11
Candidate Starts for CrystalP_28:
(Start: 11 @27524 has 139 MA's), (14, 27542), (21, 27587), (40, 27767), (49, 27800), (57, 27839), (63, 27869), (Start: 65 @27872 has 1 MA's), (67, 27881), (84, 27974), (85, 27980), (97, 28043), (108, 28100), (112, 28142), (116, 28169), (135, 28283), (150, 28385),

Gene: Czyszczon1_29 Start: 27263, Stop: 28225, Start Num: 11
Candidate Starts for Czyszczon1_29:
(Start: 11 @27263 has 139 MA's), (21, 27326), (23, 27341), (27, 27380), (33, 27446), (63, 27608), (Start: 65 @27611 has 1 MA's), (84, 27710), (91, 27740), (97, 27779), (99, 27788), (125, 27959), (135, 28025), (137, 28031), (145, 28088), (151, 28130), (157, 28160),

Gene: DD5_6 Start: 3502, Stop: 4212, Start Num: 38
Candidate Starts for DD5_6:
(Start: 38 @3502 has 175 MA's), (Start: 41 @3511 has 11 MA's), (72, 3634), (77, 3664), (97, 3766), (99, 3775), (103, 3796), (112, 3868), (136, 4015), (142, 4048), (150, 4108), (165, 4195),

Gene: DTDevon_117 Start: 60929, Stop: 61537, Start Num: 71
Candidate Starts for DTDevon_117:
(37, 60794), (Start: 71 @60929 has 188 MA's), (86, 61016), (101, 61088), (111, 61154), (119, 61217), (120, 61229), (125, 61250), (143, 61352), (166, 61493),

Gene: Daffodil_122 Start: 60860, Stop: 61468, Start Num: 71
Candidate Starts for Daffodil_122:
(37, 60725), (Start: 71 @60860 has 188 MA's), (86, 60947), (101, 61019), (111, 61085), (119, 61148), (120, 61160), (125, 61181), (143, 61283), (166, 61424),

Gene: Dandelion_122 Start: 63052, Stop: 63660, Start Num: 71
Candidate Starts for Dandelion_122:
(37, 62917), (Start: 71 @63052 has 188 MA's), (86, 63139), (101, 63211), (111, 63277), (119, 63340), (120, 63352), (125, 63373), (143, 63475), (166, 63616),

Gene: Darko_117 Start: 60562, Stop: 61170, Start Num: 71
Candidate Starts for Darko_117:
(37, 60427), (Start: 71 @60562 has 188 MA's), (86, 60649), (101, 60721), (111, 60787), (119, 60850), (120, 60862), (125, 60883), (143, 60985), (166, 61126),

Gene: DeejaClivia_104 Start: 57228, Stop: 57836, Start Num: 71
Candidate Starts for DeejaClivia_104:
(37, 57093), (Start: 71 @57228 has 188 MA's), (86, 57315), (101, 57387), (111, 57453), (119, 57516), (120, 57528), (125, 57549), (143, 57651), (166, 57792),

Gene: Delilah_117 Start: 61014, Stop: 61622, Start Num: 71
Candidate Starts for Delilah_117:
(37, 60879), (Start: 71 @61014 has 188 MA's), (86, 61101), (101, 61173), (111, 61239), (119, 61302), (120, 61314), (125, 61335), (143, 61437), (166, 61578),

Gene: Delylah_120 Start: 60553, Stop: 61161, Start Num: 71
Candidate Starts for Delylah_120:
(37, 60418), (Start: 71 @60553 has 188 MA's), (86, 60640), (101, 60712), (111, 60778), (119, 60841), (120, 60853), (125, 60874), (143, 60976), (166, 61117),

Gene: Demodog_123 Start: 63060, Stop: 63668, Start Num: 71
Candidate Starts for Demodog_123:
(26, 62784), (37, 62925), (Start: 71 @63060 has 188 MA's), (86, 63147), (111, 63285), (119, 63348), (120, 63360), (125, 63381), (143, 63483), (166, 63624),

Gene: Demsculpinboyz_26 Start: 22457, Stop: 23401, Start Num: 12

Candidate Starts for Demsculpinboyz_26:
(10, 22427), (Start: 11 @22454 has 139 MA's), (Start: 12 @22457 has 29 MA's), (14, 22472), (18, 22505), (20, 22511), (27, 22571), (31, 22601), (94, 22946), (97, 22967), (106, 23018), (115, 23090), (120, 23126), (125, 23147), (130, 23192), (135, 23210), (145, 23273), (155, 23327), (158, 23345),

Gene: Derek_116 Start: 60479, Stop: 61087, Start Num: 71
Candidate Starts for Derek_116:
(37, 60344), (Start: 71 @60479 has 188 MA's), (86, 60566), (101, 60638), (111, 60704), (119, 60767), (120, 60779), (125, 60800), (143, 60902), (166, 61043),

Gene: Dessert_117 Start: 58955, Stop: 59563, Start Num: 71
Candidate Starts for Dessert_117:
(37, 58820), (Start: 71 @58955 has 188 MA's), (86, 59042), (101, 59114), (111, 59180), (119, 59243), (120, 59255), (125, 59276), (143, 59378), (166, 59519),

Gene: Dexes_7 Start: 3958, Stop: 4659, Start Num: 38
Candidate Starts for Dexes_7:
(Start: 38 @3958 has 175 MA's), (Start: 41 @3967 has 11 MA's), (72, 4090), (74, 4099), (77, 4120), (85, 4162), (92, 4192), (97, 4222), (112, 4318), (117, 4351), (129, 4438), (142, 4498), (147, 4540), (165, 4642),

Gene: Dietrick_109 Start: 58555, Stop: 59163, Start Num: 71
Candidate Starts for Dietrick_109:
(37, 58420), (Start: 71 @58555 has 188 MA's), (86, 58642), (101, 58714), (111, 58780), (119, 58843), (120, 58855), (125, 58876), (143, 58978), (166, 59119),

Gene: DirtDevil_6 Start: 3342, Stop: 4052, Start Num: 38
Candidate Starts for DirtDevil_6:
(Start: 38 @3342 has 175 MA's), (Start: 41 @3351 has 11 MA's), (72, 3474), (77, 3504), (97, 3606), (99, 3615), (103, 3636), (112, 3708), (136, 3855), (142, 3888), (150, 3948), (165, 4035),

Gene: DirtMonster_111 Start: 59813, Stop: 60421, Start Num: 71
Candidate Starts for DirtMonster_111:
(37, 59678), (Start: 71 @59813 has 188 MA's), (86, 59900), (101, 59972), (111, 60038), (119, 60101), (120, 60113), (125, 60134), (143, 60236), (166, 60377),

Gene: DmpstrDiver_39 Start: 35733, Stop: 36680, Start Num: 12
Candidate Starts for DmpstrDiver_39:
(Start: 11 @35730 has 139 MA's), (Start: 12 @35733 has 29 MA's), (14, 35748), (18, 35781), (20, 35787), (31, 35877), (34, 35937), (36, 35940), (49, 36006), (50, 36009), (84, 36174), (97, 36243), (121, 36411), (129, 36462), (137, 36492), (141, 36522),

Gene: DoctorDiddles_28 Start: 26680, Stop: 27642, Start Num: 11
Candidate Starts for DoctorDiddles_28:
(Start: 11 @26680 has 139 MA's), (21, 26743), (23, 26758), (27, 26797), (33, 26863), (63, 27025), (Start: 65 @27028 has 1 MA's), (84, 27127), (91, 27157), (97, 27196), (99, 27205), (125, 27376), (135, 27442), (137, 27448), (145, 27505), (151, 27547), (157, 27577),

Gene: Domi_110 Start: 59901, Stop: 60509, Start Num: 71
Candidate Starts for Domi_110:
(37, 59766), (Start: 71 @59901 has 188 MA's), (86, 59988), (101, 60060), (111, 60126), (119, 60189), (120, 60201), (125, 60222), (143, 60324), (166, 60465),

Gene: Doom_6 Start: 3605, Stop: 4297, Start Num: 41
Candidate Starts for Doom_6:
(Start: 38 @3596 has 175 MA's), (Start: 41 @3605 has 11 MA's), (72, 3728), (74, 3737), (77, 3758), (85, 3800), (92, 3830), (97, 3860), (112, 3956), (117, 3989), (129, 4076), (142, 4136), (147, 4178), (165, 4280),

Gene: DrDrey_29 Start: 28010, Stop: 28972, Start Num: 11
Candidate Starts for DrDrey_29:
(Start: 11 @28010 has 139 MA's), (21, 28073), (23, 28088), (27, 28127), (33, 28193), (63, 28355), (Start: 65 @28358 has 1 MA's), (84, 28457), (91, 28487), (97, 28526), (99, 28535), (125, 28706), (135, 28772), (137, 28778), (145, 28835), (151, 28877), (157, 28907),

Gene: DrFeelGood_5 Start: 3134, Stop: 3826, Start Num: 38
Candidate Starts for DrFeelGood_5:
(Start: 38 @3134 has 175 MA's), (72, 3263), (88, 3344), (92, 3365), (94, 3374), (97, 3395), (102, 3419), (136, 3638), (160, 3773),

Gene: DrPhinkDaddy_116 Start: 61082, Stop: 61690, Start Num: 71
Candidate Starts for DrPhinkDaddy_116:
(37, 60947), (Start: 71 @61082 has 188 MA's), (86, 61169), (101, 61241), (111, 61307), (119, 61370), (120, 61382), (125, 61403), (143, 61505), (166, 61646),

Gene: Drazdys_115 Start: 59543, Stop: 60151, Start Num: 71
Candidate Starts for Drazdys_115:
(37, 59408), (Start: 71 @59543 has 188 MA's), (86, 59630), (101, 59702), (111, 59768), (119, 59831), (120, 59843), (125, 59864), (143, 59966), (166, 60107),

Gene: DroogsArmy_7 Start: 4452, Stop: 5159, Start Num: 42
Candidate Starts for DroogsArmy_7:
(25, 4305), (Start: 42 @4452 has 1 MA's), (Start: 43 @4458 has 1 MA's), (49, 4479), (55, 4506), (70, 4563), (85, 4650), (87, 4656), (94, 4692), (97, 4713), (105, 4749), (106, 4764), (110, 4779), (112, 4809), (114, 4815), (125, 4896), (132, 4956), (152, 5070), (156, 5088),

Gene: Duckfeet_109 Start: 59005, Stop: 59613, Start Num: 71
Candidate Starts for Duckfeet_109:
(37, 58870), (Start: 71 @59005 has 188 MA's), (86, 59092), (101, 59164), (111, 59230), (119, 59293), (120, 59305), (125, 59326), (143, 59428), (166, 59569),

Gene: Dumbo_28 Start: 26985, Stop: 27947, Start Num: 11
Candidate Starts for Dumbo_28:
(Start: 11 @26985 has 139 MA's), (21, 27048), (23, 27063), (27, 27102), (33, 27168), (63, 27330), (Start: 65 @27333 has 1 MA's), (84, 27432), (91, 27462), (97, 27501), (99, 27510), (125, 27681), (135, 27747), (137, 27753), (145, 27810), (151, 27852), (157, 27882),

Gene: Dusk_27 Start: 27177, Stop: 28121, Start Num: 11
Candidate Starts for Dusk_27:
(Start: 11 @27177 has 139 MA's), (14, 27195), (17, 27225), (21, 27240), (40, 27420), (49, 27453), (57, 27492), (63, 27522), (Start: 65 @27525 has 1 MA's), (67, 27534), (75, 27570), (84, 27627), (85, 27633), (97, 27696), (108, 27753), (112, 27795), (126, 27897), (135, 27936), (158, 28071),

Gene: Dussy_7 Start: 3368, Stop: 4078, Start Num: 38
Candidate Starts for Dussy_7:

(Start: 38 @3368 has 175 MA's), (Start: 41 @3377 has 11 MA's), (72, 3500), (77, 3530), (97, 3632), (99, 3641), (103, 3662), (112, 3734), (136, 3881), (142, 3914), (150, 3974), (165, 4061),

Gene: Dylan_64 Start: 41438, Stop: 42124, Start Num: 45
Candidate Starts for Dylan_64:
(Start: 45 @41438 has 7 MA's), (52, 41465), (54, 41474), (58, 41492), (61, 41504), (66, 41525), (73, 41555), (84, 41618), (86, 41627), (97, 41684), (100, 41696), (107, 41738), (120, 41843), (128, 41897), (141, 41966), (145, 41993), (152, 42035), (153, 42038), (158, 42065), (165, 42116),

Gene: ET08_105 Start: 59543, Stop: 60151, Start Num: 71
Candidate Starts for ET08_105:
(37, 59408), (Start: 71 @59543 has 188 MA's), (86, 59630), (101, 59702), (111, 59768), (119, 59831), (120, 59843), (125, 59864), (143, 59966), (166, 60107),

Gene: Easy2Say_30 Start: 28768, Stop: 29730, Start Num: 11
Candidate Starts for Easy2Say_30:
(Start: 11 @28768 has 139 MA's), (21, 28831), (23, 28846), (27, 28885), (33, 28951), (63, 29113), (Start: 65 @29116 has 1 MA's), (84, 29215), (91, 29245), (97, 29284), (99, 29293), (125, 29464), (135, 29530), (137, 29536), (145, 29593), (151, 29635), (157, 29665),

Gene: EasyJones_119 Start: 59685, Stop: 60293, Start Num: 71
Candidate Starts for EasyJones_119:
(37, 59550), (Start: 71 @59685 has 188 MA's), (86, 59772), (101, 59844), (111, 59910), (119, 59973), (120, 59985), (125, 60006), (143, 60108), (166, 60249),

Gene: Edtherson_6 Start: 3299, Stop: 3991, Start Num: 41
Candidate Starts for Edtherson_6:
(Start: 38 @3290 has 175 MA's), (Start: 41 @3299 has 11 MA's), (72, 3422), (74, 3431), (77, 3452), (85, 3494), (97, 3554), (112, 3650), (117, 3683), (129, 3770), (142, 3830), (147, 3872),

Gene: EggyFarm_124 Start: 62818, Stop: 63426, Start Num: 71
Candidate Starts for EggyFarm_124:
(37, 62683), (Start: 71 @62818 has 188 MA's), (86, 62905), (101, 62977), (111, 63043), (119, 63106), (120, 63118), (125, 63139), (143, 63241), (166, 63382),

Gene: Elite2014_27 Start: 26725, Stop: 27687, Start Num: 11
Candidate Starts for Elite2014_27:
(Start: 11 @26725 has 139 MA's), (21, 26788), (23, 26803), (27, 26842), (33, 26908), (63, 27070), (Start: 65 @27073 has 1 MA's), (84, 27172), (91, 27202), (97, 27241), (99, 27250), (125, 27421), (135, 27487), (137, 27493), (145, 27550), (151, 27592), (157, 27622),

Gene: Elph10_29 Start: 26988, Stop: 27950, Start Num: 11
Candidate Starts for Elph10_29:
(Start: 11 @26988 has 139 MA's), (21, 27051), (23, 27066), (27, 27105), (33, 27171), (63, 27333), (Start: 65 @27336 has 1 MA's), (84, 27435), (91, 27465), (97, 27504), (99, 27513), (125, 27684), (135, 27750), (137, 27756), (145, 27813), (151, 27855), (157, 27885),

Gene: EmToTheThree_119 Start: 61822, Stop: 62430, Start Num: 71
Candidate Starts for EmToTheThree_119:
(37, 61687), (Start: 71 @61822 has 188 MA's), (86, 61909), (101, 61981), (111, 62047), (119, 62110), (120, 62122), (125, 62143), (143, 62245), (166, 62386),

Gene: EmmaElysia_117 Start: 59608, Stop: 60216, Start Num: 71

Candidate Starts for EmmaElysia_117:
(37, 59473), (Start: 71 @59608 has 188 MA's), (86, 59695), (101, 59767), (111, 59833), (119, 59896), (120, 59908), (125, 59929), (143, 60031), (166, 60172),

Gene: Emmina_29 Start: 27346, Stop: 28308, Start Num: 11
Candidate Starts for Emmina_29:
(Start: 11 @27346 has 139 MA's), (21, 27409), (23, 27424), (27, 27463), (33, 27529), (63, 27691), (Start: 65 @27694 has 1 MA's), (84, 27793), (91, 27823), (97, 27862), (99, 27871), (125, 28042), (135, 28108), (137, 28114), (145, 28171), (151, 28213), (157, 28243),

Gene: EnzoK_7 Start: 3584, Stop: 4288, Start Num: 38
Candidate Starts for EnzoK_7:
(Start: 38 @3584 has 175 MA's), (Start: 41 @3593 has 11 MA's), (72, 3716), (77, 3746), (85, 3788), (97, 3848), (99, 3857), (112, 3947), (142, 4127), (162, 4238), (165, 4271),

Gene: Erdmann_117 Start: 60861, Stop: 61469, Start Num: 71
Candidate Starts for Erdmann_117:
(37, 60726), (Start: 71 @60861 has 188 MA's), (86, 60948), (101, 61020), (111, 61086), (119, 61149), (120, 61161), (125, 61182), (143, 61284), (166, 61425),

Gene: ErnieJ_111 Start: 58826, Stop: 59434, Start Num: 71
Candidate Starts for ErnieJ_111:
(37, 58691), (Start: 71 @58826 has 188 MA's), (86, 58913), (101, 58985), (111, 59051), (119, 59114), (120, 59126), (125, 59147), (143, 59249), (166, 59390),

Gene: Espresso_6 Start: 3449, Stop: 4150, Start Num: 38
Candidate Starts for Espresso_6:
(Start: 38 @3449 has 175 MA's), (Start: 41 @3458 has 11 MA's), (72, 3581), (74, 3590), (77, 3611), (85, 3653), (92, 3683), (97, 3713), (112, 3809), (117, 3842), (129, 3929), (147, 4031), (165, 4133),

Gene: Essence_114 Start: 59709, Stop: 60317, Start Num: 71
Candidate Starts for Essence_114:
(37, 59574), (Start: 71 @59709 has 188 MA's), (86, 59796), (101, 59868), (111, 59934), (119, 59997), (120, 60009), (125, 60030), (143, 60132), (166, 60273),

Gene: Estave1_20 Start: 22825, Stop: 23772, Start Num: 12
Candidate Starts for Estave1_20:
(10, 22795), (Start: 11 @22822 has 139 MA's), (Start: 12 @22825 has 29 MA's), (18, 22873), (58, 23137), (75, 23209), (84, 23263), (86, 23272), (97, 23332), (99, 23341), (126, 23536), (133, 23572), (134, 23575), (136, 23581), (137, 23584), (153, 23686),

Gene: Euphoria_6 Start: 3347, Stop: 4048, Start Num: 38
Candidate Starts for Euphoria_6:
(Start: 38 @3347 has 175 MA's), (Start: 41 @3356 has 11 MA's), (72, 3479), (74, 3488), (77, 3509), (85, 3551), (92, 3581), (97, 3611), (112, 3707), (117, 3740), (129, 3827), (142, 3887), (147, 3929), (165, 4031),

Gene: Eureka_28 Start: 27509, Stop: 28453, Start Num: 11
Candidate Starts for Eureka_28:
(Start: 11 @27509 has 139 MA's), (14, 27527), (21, 27572), (40, 27752), (49, 27785), (57, 27824), (63, 27854), (Start: 65 @27857 has 1 MA's), (67, 27866), (84, 27959), (85, 27965), (97, 28028), (108, 28085), (112, 28127), (116, 28154), (135, 28268), (150, 28370),

Gene: Ewok_118 Start: 60248, Stop: 60856, Start Num: 71
Candidate Starts for Ewok_118:
(37, 60113), (Start: 71 @60248 has 188 MA's), (86, 60335), (101, 60407), (111, 60473), (119, 60536), (120, 60548), (125, 60569), (143, 60671), (166, 60812),

Gene: FairyPath_28 Start: 27721, Stop: 28665, Start Num: 11
Candidate Starts for FairyPath_28:
(Start: 11 @27721 has 139 MA's), (14, 27739), (21, 27784), (40, 27964), (49, 27997), (57, 28036), (63, 28066), (Start: 65 @28069 has 1 MA's), (67, 28078), (84, 28171), (85, 28177), (97, 28240), (108, 28297), (112, 28339), (116, 28366), (135, 28480), (150, 28582),

Gene: Fajezeel_7 Start: 3169, Stop: 3870, Start Num: 38
Candidate Starts for Fajezeel_7:
(Start: 38 @3169 has 175 MA's), (Start: 41 @3178 has 11 MA's), (72, 3301), (74, 3310), (77, 3331), (85, 3373), (92, 3403), (97, 3433), (112, 3529), (117, 3562), (129, 3649), (147, 3751), (165, 3853),

Gene: Fascinus_5 Start: 3104, Stop: 3796, Start Num: 41
Candidate Starts for Fascinus_5:
(Start: 38 @3095 has 175 MA's), (Start: 41 @3104 has 11 MA's), (72, 3227), (74, 3236), (77, 3257), (85, 3299), (92, 3329), (97, 3359), (112, 3455), (117, 3488), (129, 3575), (165, 3779),

Gene: Filch_29 Start: 27276, Stop: 28238, Start Num: 11
Candidate Starts for Filch_29:
(Start: 11 @27276 has 139 MA's), (21, 27339), (23, 27354), (27, 27393), (33, 27459), (63, 27621), (Start: 65 @27624 has 1 MA's), (84, 27723), (91, 27753), (97, 27792), (99, 27801), (125, 27972), (135, 28038), (137, 28044), (145, 28101), (151, 28143), (157, 28173),

Gene: FireRed_28 Start: 27546, Stop: 28508, Start Num: 11
Candidate Starts for FireRed_28:
(Start: 11 @27546 has 139 MA's), (21, 27609), (23, 27624), (27, 27663), (33, 27729), (63, 27891), (Start: 65 @27894 has 1 MA's), (84, 27993), (91, 28023), (97, 28062), (99, 28071), (125, 28242), (135, 28308), (137, 28314), (145, 28371), (151, 28413), (157, 28443),

Gene: Fixie_109 Start: 59502, Stop: 60110, Start Num: 71
Candidate Starts for Fixie_109:
(37, 59367), (Start: 71 @59502 has 188 MA's), (86, 59589), (101, 59661), (111, 59727), (119, 59790), (120, 59802), (125, 59823), (143, 59925), (166, 60066),

Gene: Flabslab_111 Start: 57940, Stop: 58548, Start Num: 71
Candidate Starts for Flabslab_111:
(37, 57805), (Start: 71 @57940 has 188 MA's), (86, 58027), (101, 58099), (111, 58165), (119, 58228), (120, 58240), (125, 58261), (143, 58363), (166, 58504),

Gene: Fludd_117 Start: 59466, Stop: 60074, Start Num: 71
Candidate Starts for Fludd_117:
(37, 59331), (Start: 71 @59466 has 188 MA's), (86, 59553), (101, 59625), (111, 59691), (119, 59754), (120, 59766), (125, 59787), (143, 59889), (166, 60030),

Gene: Flypotenuse_26 Start: 27122, Stop: 28066, Start Num: 11
Candidate Starts for Flypotenuse_26:
(Start: 11 @27122 has 139 MA's), (21, 27185), (23, 27200), (27, 27239), (33, 27305), (63, 27467), (Start: 65 @27470 has 1 MA's), (67, 27479), (75, 27515), (84, 27572), (85, 27578), (97, 27641), (108, 27698), (110, 27707), (112, 27740), (135, 27881), (149, 27980), (150, 27983), (158, 28016),

Gene: FoghornLeghorn_27 Start: 27022, Stop: 27984, Start Num: 11
Candidate Starts for FoghornLeghorn_27:
(Start: 11 @27022 has 139 MA's), (21, 27085), (23, 27100), (27, 27139), (33, 27205), (63, 27367), (Start: 65 @27370 has 1 MA's), (84, 27469), (91, 27499), (97, 27538), (99, 27547), (125, 27718), (135, 27784), (137, 27790), (145, 27847), (151, 27889), (157, 27919),

Gene: Fongie_114 Start: 60461, Stop: 61069, Start Num: 71
Candidate Starts for Fongie_114:
(37, 60326), (Start: 71 @60461 has 188 MA's), (86, 60548), (101, 60620), (111, 60686), (119, 60749), (120, 60761), (125, 60782), (143, 60884), (166, 61025),

Gene: Forsytheast_5 Start: 3359, Stop: 4060, Start Num: 38
Candidate Starts for Forsytheast_5:
(Start: 38 @3359 has 175 MA's), (Start: 41 @3368 has 11 MA's), (72, 3491), (74, 3500), (77, 3521), (85, 3563), (92, 3593), (97, 3623), (112, 3719), (117, 3752), (129, 3839), (142, 3899), (147, 3941), (165, 4043),

Gene: FoulBall_64 Start: 41342, Stop: 42028, Start Num: 45
Candidate Starts for FoulBall_64:
(Start: 45 @41342 has 7 MA's), (52, 41369), (54, 41378), (58, 41396), (61, 41408), (66, 41429), (84, 41522), (86, 41531), (97, 41588), (100, 41600), (107, 41642), (113, 41690), (120, 41747), (128, 41801), (141, 41870), (145, 41897), (152, 41939), (153, 41942), (158, 41969), (165, 42020),

Gene: FoxtrotP1_117 Start: 62031, Stop: 62639, Start Num: 71
Candidate Starts for FoxtrotP1_117:
(37, 61896), (Start: 71 @62031 has 188 MA's), (86, 62118), (101, 62190), (111, 62256), (119, 62319), (120, 62331), (125, 62352), (143, 62454), (166, 62595),

Gene: Francis47_6 Start: 3617, Stop: 4318, Start Num: 38
Candidate Starts for Francis47_6:
(Start: 38 @3617 has 175 MA's), (Start: 41 @3626 has 11 MA's), (72, 3749), (74, 3758), (77, 3779), (85, 3821), (92, 3851), (97, 3881), (112, 3977), (117, 4010), (129, 4097), (165, 4301),

Gene: FrayBell_122 Start: 61195, Stop: 61803, Start Num: 71
Candidate Starts for FrayBell_122:
(37, 61060), (Start: 71 @61195 has 188 MA's), (86, 61282), (101, 61354), (111, 61420), (119, 61483), (120, 61495), (125, 61516), (143, 61618), (166, 61759),

Gene: Froghopper_7 Start: 3029, Stop: 3739, Start Num: 38
Candidate Starts for Froghopper_7:
(Start: 38 @3029 has 175 MA's), (Start: 41 @3038 has 11 MA's), (72, 3161), (77, 3191), (97, 3293), (99, 3302), (103, 3323), (112, 3395), (136, 3542), (142, 3575), (150, 3635), (165, 3722),

Gene: Fushigi_6 Start: 3249, Stop: 3959, Start Num: 38
Candidate Starts for Fushigi_6:
(Start: 38 @3249 has 175 MA's), (Start: 41 @3258 has 11 MA's), (72, 3381), (77, 3411), (97, 3513), (99, 3522), (103, 3543), (112, 3615), (136, 3762), (142, 3795), (150, 3855), (165, 3942),

Gene: GMonster_5 Start: 2964, Stop: 3665, Start Num: 38
Candidate Starts for GMonster_5:
(Start: 38 @2964 has 175 MA's), (Start: 41 @2973 has 11 MA's), (72, 3096), (74, 3105), (77, 3126), (85, 3168), (92, 3198), (97, 3228), (112, 3324), (117, 3357), (129, 3444), (142, 3504), (147, 3546),

(165, 3648),

Gene: Gabriel_117 Start: 59115, Stop: 59723, Start Num: 71
Candidate Starts for Gabriel_117:
(37, 58980), (Start: 71 @59115 has 188 MA's), (86, 59202), (101, 59274), (111, 59340), (119, 59403), (120, 59415), (125, 59436), (143, 59538), (166, 59679),

Gene: Gachnar_6 Start: 3379, Stop: 4080, Start Num: 38
Candidate Starts for Gachnar_6:
(Start: 38 @3379 has 175 MA's), (Start: 41 @3388 has 11 MA's), (72, 3511), (74, 3520), (77, 3541), (85, 3583), (92, 3613), (97, 3643), (112, 3739), (117, 3772), (129, 3859), (142, 3919), (147, 3961), (165, 4063),

Gene: Gage_30 Start: 27508, Stop: 28470, Start Num: 11
Candidate Starts for Gage_30:
(Start: 11 @27508 has 139 MA's), (21, 27571), (23, 27586), (27, 27625), (33, 27691), (63, 27853), (Start: 65 @27856 has 1 MA's), (84, 27955), (91, 27985), (97, 28024), (99, 28033), (125, 28204), (135, 28270), (137, 28276), (145, 28333), (151, 28375), (157, 28405),

Gene: GageAP_7 Start: 3583, Stop: 4284, Start Num: 38
Candidate Starts for GageAP_7:
(Start: 38 @3583 has 175 MA's), (Start: 41 @3592 has 11 MA's), (72, 3715), (74, 3724), (77, 3745), (85, 3787), (92, 3817), (97, 3847), (112, 3943), (117, 3976), (129, 4063), (165, 4267),

Gene: Gamgam_117 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for Gamgam_117:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Gator_26 Start: 27133, Stop: 28077, Start Num: 11
Candidate Starts for Gator_26:
(Start: 11 @27133 has 139 MA's), (14, 27151), (17, 27181), (21, 27196), (40, 27376), (49, 27409), (57, 27448), (63, 27478), (Start: 65 @27481 has 1 MA's), (67, 27490), (75, 27526), (84, 27583), (85, 27589), (97, 27652), (108, 27709), (112, 27751), (126, 27853), (135, 27892), (158, 28027),

Gene: Gemini_31 Start: 28025, Stop: 28987, Start Num: 11
Candidate Starts for Gemini_31:
(Start: 11 @28025 has 139 MA's), (21, 28088), (23, 28103), (27, 28142), (33, 28208), (63, 28370), (Start: 65 @28373 has 1 MA's), (84, 28472), (91, 28502), (97, 28541), (99, 28550), (125, 28721), (135, 28787), (137, 28793), (145, 28850), (151, 28892), (157, 28922),

Gene: Ghost_115 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for Ghost_115:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Gizmo_121 Start: 62011, Stop: 62619, Start Num: 71
Candidate Starts for Gizmo_121:
(37, 61876), (Start: 71 @62011 has 188 MA's), (86, 62098), (101, 62170), (111, 62236), (119, 62299), (120, 62311), (125, 62332), (143, 62434), (166, 62575),

Gene: Glexan_26 Start: 27122, Stop: 28066, Start Num: 11
Candidate Starts for Glexan_26:

(Start: 11 @27122 has 139 MA's), (21, 27185), (23, 27200), (27, 27239), (33, 27305), (63, 27467), (Start: 65 @27470 has 1 MA's), (67, 27479), (75, 27515), (84, 27572), (85, 27578), (97, 27641), (108, 27698), (110, 27707), (112, 27740), (135, 27881), (149, 27980), (150, 27983), (158, 28016),

Gene: GlutenPhree_118 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for GlutenPhree_118:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Goku_28 Start: 27238, Stop: 28182, Start Num: 11
Candidate Starts for Goku_28:
(Start: 11 @27238 has 139 MA's), (14, 27256), (21, 27301), (40, 27481), (49, 27514), (57, 27553), (63, 27583), (Start: 65 @27586 has 1 MA's), (67, 27595), (84, 27688), (85, 27694), (97, 27757), (108, 27814), (112, 27856), (116, 27883), (135, 27997), (150, 28099),

Gene: GoldenSnow_120 Start: 61194, Stop: 61802, Start Num: 71
Candidate Starts for GoldenSnow_120:
(37, 61059), (Start: 71 @61194 has 188 MA's), (86, 61281), (101, 61353), (111, 61419), (119, 61482), (120, 61494), (125, 61515), (143, 61617), (166, 61758),

Gene: GoldenSpark_30 Start: 27508, Stop: 28470, Start Num: 11
Candidate Starts for GoldenSpark_30:
(Start: 11 @27508 has 139 MA's), (21, 27571), (23, 27586), (27, 27625), (33, 27691), (63, 27853), (Start: 65 @27856 has 1 MA's), (84, 27955), (91, 27985), (97, 28024), (99, 28033), (125, 28204), (135, 28270), (137, 28276), (145, 28333), (151, 28375), (157, 28405),

Gene: Goldilocks_29 Start: 26928, Stop: 27890, Start Num: 11
Candidate Starts for Goldilocks_29:
(Start: 11 @26928 has 139 MA's), (21, 26991), (23, 27006), (27, 27045), (33, 27111), (63, 27273), (Start: 65 @27276 has 1 MA's), (84, 27375), (91, 27405), (97, 27444), (99, 27453), (125, 27624), (135, 27690), (137, 27696), (145, 27753), (151, 27795), (157, 27825),

Gene: GooberAzure_30 Start: 27508, Stop: 28470, Start Num: 11
Candidate Starts for GooberAzure_30:
(Start: 11 @27508 has 139 MA's), (21, 27571), (23, 27586), (27, 27625), (33, 27691), (63, 27853), (Start: 65 @27856 has 1 MA's), (84, 27955), (91, 27985), (97, 28024), (99, 28033), (125, 28204), (135, 28270), (137, 28276), (145, 28333), (151, 28375), (157, 28405),

Gene: Grasshills_123 Start: 62818, Stop: 63426, Start Num: 71
Candidate Starts for Grasshills_123:
(37, 62683), (Start: 71 @62818 has 188 MA's), (86, 62905), (101, 62977), (111, 63043), (119, 63106), (120, 63118), (125, 63139), (143, 63241), (166, 63382),

Gene: GrecoEtereo_7 Start: 3653, Stop: 4363, Start Num: 38
Candidate Starts for GrecoEtereo_7:
(Start: 38 @3653 has 175 MA's), (Start: 41 @3662 has 11 MA's), (72, 3785), (77, 3815), (97, 3917), (99, 3926), (103, 3947), (112, 4019), (136, 4166), (142, 4199), (150, 4259), (165, 4346),

Gene: Greep_29 Start: 27838, Stop: 28800, Start Num: 11
Candidate Starts for Greep_29:
(Start: 11 @27838 has 139 MA's), (21, 27901), (23, 27916), (27, 27955), (33, 28021), (63, 28183), (Start: 65 @28186 has 1 MA's), (84, 28285), (91, 28315), (97, 28354), (99, 28363), (125, 28534), (135, 28600), (137, 28606), (145, 28663), (151, 28705), (157, 28735),

Gene: Greg_7 Start: 3169, Stop: 3870, Start Num: 38
Candidate Starts for Greg_7:
(Start: 38 @3169 has 175 MA's), (Start: 41 @3178 has 11 MA's), (72, 3301), (74, 3310), (77, 3331), (85, 3373), (92, 3403), (97, 3433), (112, 3529), (117, 3562), (129, 3649), (147, 3751), (165, 3853),

Gene: GroundGoblin_6 Start: 3342, Stop: 4052, Start Num: 38
Candidate Starts for GroundGoblin_6:
(Start: 38 @3342 has 175 MA's), (Start: 41 @3351 has 11 MA's), (72, 3474), (77, 3504), (97, 3606), (99, 3615), (103, 3636), (112, 3708), (136, 3855), (142, 3888), (150, 3948), (165, 4035),

Gene: Grungle_104 Start: 57133, Stop: 57741, Start Num: 71
Candidate Starts for Grungle_104:
(37, 56998), (Start: 71 @57133 has 188 MA's), (86, 57220), (101, 57292), (111, 57358), (119, 57421), (120, 57433), (125, 57454), (143, 57556), (166, 57697),

Gene: Guwapp_116 Start: 59280, Stop: 59888, Start Num: 71
Candidate Starts for Guwapp_116:
(37, 59145), (Start: 71 @59280 has 188 MA's), (86, 59367), (101, 59439), (111, 59505), (119, 59568), (120, 59580), (125, 59601), (143, 59703), (166, 59844),

Gene: Gwendoluna_6 Start: 3451, Stop: 4161, Start Num: 38
Candidate Starts for Gwendoluna_6:
(Start: 38 @3451 has 175 MA's), (Start: 41 @3460 has 11 MA's), (72, 3583), (77, 3613), (97, 3715), (99, 3724), (103, 3745), (112, 3817), (136, 3964), (142, 3997), (150, 4057), (165, 4144),

Gene: Gyzlar_7 Start: 3788, Stop: 4498, Start Num: 38
Candidate Starts for Gyzlar_7:
(Start: 38 @3788 has 175 MA's), (Start: 41 @3797 has 11 MA's), (72, 3920), (77, 3950), (97, 4052), (99, 4061), (103, 4082), (112, 4154), (136, 4301), (142, 4334), (150, 4394), (165, 4481),

Gene: Halldule_110 Start: 58159, Stop: 58767, Start Num: 71
Candidate Starts for Halldule_110:
(37, 58024), (Start: 71 @58159 has 188 MA's), (86, 58246), (101, 58318), (111, 58384), (119, 58447), (120, 58459), (125, 58480), (143, 58582), (166, 58723),

Gene: Hami1_6 Start: 3357, Stop: 4058, Start Num: 38
Candidate Starts for Hami1_6:
(Start: 38 @3357 has 175 MA's), (Start: 41 @3366 has 11 MA's), (72, 3489), (74, 3498), (77, 3519), (85, 3561), (92, 3591), (97, 3621), (112, 3717), (117, 3750), (129, 3837), (142, 3897), (147, 3939), (165, 4041),

Gene: HanKaySha_29 Start: 27260, Stop: 28222, Start Num: 11
Candidate Starts for HanKaySha_29:
(Start: 11 @27260 has 139 MA's), (21, 27323), (23, 27338), (27, 27377), (33, 27443), (63, 27605), (Start: 65 @27608 has 1 MA's), (84, 27707), (91, 27737), (97, 27776), (99, 27785), (125, 27956), (135, 28022), (137, 28028), (145, 28085), (151, 28127), (157, 28157),

Gene: HanShotFirst_6 Start: 2962, Stop: 3663, Start Num: 38
Candidate Starts for HanShotFirst_6:
(Start: 38 @2962 has 175 MA's), (Start: 41 @2971 has 11 MA's), (72, 3094), (74, 3103), (77, 3124), (85, 3166), (92, 3196), (97, 3226), (112, 3322), (117, 3355), (129, 3442), (142, 3502), (147, 3544), (165, 3646),

Gene: Hannaconda_35 Start: 31701, Stop: 32636, Start Num: 12
Candidate Starts for Hannaconda_35:
(10, 31671), (Start: 11 @31698 has 139 MA's), (Start: 12 @31701 has 29 MA's), (14, 31716), (17, 31746), (18, 31749), (20, 31755), (84, 32142), (85, 32148), (97, 32211), (108, 32268), (112, 32310), (116, 32337), (135, 32451), (150, 32553),

Gene: Harella_27 Start: 27638, Stop: 28582, Start Num: 11
Candidate Starts for Harella_27:
(Start: 11 @27638 has 139 MA's), (21, 27701), (23, 27716), (27, 27755), (33, 27821), (63, 27983), (Start: 65 @27986 has 1 MA's), (67, 27995), (75, 28031), (84, 28088), (85, 28094), (97, 28157), (108, 28214), (110, 28223), (112, 28256), (135, 28397), (149, 28496), (150, 28499), (158, 28532),

Gene: HarryOW_7 Start: 3653, Stop: 4363, Start Num: 38
Candidate Starts for HarryOW_7:
(Start: 38 @3653 has 175 MA's), (Start: 41 @3662 has 11 MA's), (72, 3785), (77, 3815), (97, 3917), (99, 3926), (103, 3947), (112, 4019), (136, 4166), (142, 4199), (150, 4259), (165, 4346),

Gene: Hermia_7 Start: 3534, Stop: 4244, Start Num: 38
Candidate Starts for Hermia_7:
(Start: 38 @3534 has 175 MA's), (Start: 41 @3543 has 11 MA's), (72, 3666), (77, 3696), (97, 3798), (99, 3807), (103, 3828), (112, 3900), (136, 4047), (142, 4080), (150, 4140), (165, 4227),

Gene: Highbury_29 Start: 27176, Stop: 28138, Start Num: 11
Candidate Starts for Highbury_29:
(Start: 11 @27176 has 139 MA's), (21, 27239), (23, 27254), (27, 27293), (33, 27359), (63, 27521), (Start: 65 @27524 has 1 MA's), (84, 27623), (91, 27653), (97, 27692), (99, 27701), (125, 27872), (135, 27938), (137, 27944), (145, 28001), (151, 28043), (157, 28073),

Gene: Holt_29 Start: 26795, Stop: 27757, Start Num: 11
Candidate Starts for Holt_29:
(Start: 11 @26795 has 139 MA's), (21, 26858), (23, 26873), (27, 26912), (33, 26978), (63, 27140), (Start: 65 @27143 has 1 MA's), (84, 27242), (91, 27272), (97, 27311), (99, 27320), (125, 27491), (135, 27557), (137, 27563), (145, 27620), (151, 27662), (157, 27692),

Gene: Homines_6 Start: 3366, Stop: 4076, Start Num: 38
Candidate Starts for Homines_6:
(Start: 38 @3366 has 175 MA's), (Start: 41 @3375 has 11 MA's), (72, 3498), (77, 3528), (97, 3630), (99, 3639), (103, 3660), (112, 3732), (136, 3879), (142, 3912), (150, 3972), (165, 4059),

Gene: Hoonter_30 Start: 27508, Stop: 28470, Start Num: 11
Candidate Starts for Hoonter_30:
(Start: 11 @27508 has 139 MA's), (21, 27571), (23, 27586), (27, 27625), (33, 27691), (63, 27853), (Start: 65 @27856 has 1 MA's), (84, 27955), (91, 27985), (97, 28024), (99, 28033), (125, 28204), (135, 28270), (137, 28276), (145, 28333), (151, 28375), (157, 28405),

Gene: Hopey_30 Start: 27795, Stop: 28757, Start Num: 11
Candidate Starts for Hopey_30:
(Start: 11 @27795 has 139 MA's), (21, 27858), (23, 27873), (27, 27912), (33, 27978), (63, 28140), (Start: 65 @28143 has 1 MA's), (84, 28242), (91, 28272), (97, 28311), (99, 28320), (125, 28491), (135, 28557), (137, 28563), (145, 28620), (151, 28662), (157, 28692),

Gene: HufflyPuff_27 Start: 27502, Stop: 28464, Start Num: 11

Candidate Starts for HufflyPuff_27:
(Start: 11 @27502 has 139 MA's), (21, 27565), (23, 27580), (27, 27619), (33, 27685), (63, 27847), (Start: 65 @27850 has 1 MA's), (84, 27949), (91, 27979), (97, 28018), (99, 28027), (125, 28198), (135, 28264), (137, 28270), (145, 28327), (151, 28369), (157, 28399),

Gene: HyRo_107 Start: 59396, Stop: 60004, Start Num: 71
Candidate Starts for HyRo_107:
(37, 59261), (Start: 71 @59396 has 188 MA's), (86, 59483), (101, 59555), (111, 59621), (119, 59684), (120, 59696), (125, 59717), (143, 59819), (146, 59843), (166, 59960),

Gene: I3_122 Start: 61346, Stop: 61954, Start Num: 71
Candidate Starts for I3_122:
(37, 61211), (70, 61343), (Start: 71 @61346 has 188 MA's), (86, 61433), (101, 61505), (111, 61571), (119, 61634), (120, 61646), (125, 61667), (143, 61769), (166, 61910),

Gene: IHOP_28 Start: 27700, Stop: 28644, Start Num: 11
Candidate Starts for IHOP_28:
(Start: 11 @27700 has 139 MA's), (14, 27718), (21, 27763), (40, 27943), (49, 27976), (57, 28015), (63, 28045), (Start: 65 @28048 has 1 MA's), (67, 28057), (84, 28150), (85, 28156), (97, 28219), (108, 28276), (112, 28318), (116, 28345), (135, 28459), (150, 28561),

Gene: Icee_27 Start: 27183, Stop: 28127, Start Num: 11
Candidate Starts for Icee_27:
(Start: 11 @27183 has 139 MA's), (14, 27201), (21, 27246), (40, 27426), (49, 27459), (57, 27498), (63, 27528), (Start: 65 @27531 has 1 MA's), (67, 27540), (84, 27633), (85, 27639), (97, 27702), (108, 27759), (112, 27801), (116, 27828), (135, 27942), (150, 28044),

Gene: Ichabod_6 Start: 3086, Stop: 3787, Start Num: 38
Candidate Starts for Ichabod_6:
(Start: 38 @3086 has 175 MA's), (Start: 41 @3095 has 11 MA's), (72, 3218), (74, 3227), (77, 3248), (85, 3290), (92, 3320), (97, 3350), (112, 3446), (117, 3479), (129, 3566), (147, 3668), (165, 3770),

Gene: IgnatiusPatJac_5 Start: 3362, Stop: 4063, Start Num: 38
Candidate Starts for IgnatiusPatJac_5:
(Start: 38 @3362 has 175 MA's), (Start: 41 @3371 has 11 MA's), (72, 3494), (74, 3503), (77, 3524), (85, 3566), (92, 3596), (97, 3626), (112, 3722), (117, 3755), (129, 3842), (142, 3902), (147, 3944),

Gene: IkeLoa_110 Start: 59215, Stop: 59823, Start Num: 71
Candidate Starts for IkeLoa_110:
(37, 59080), (Start: 71 @59215 has 188 MA's), (86, 59302), (101, 59374), (111, 59440), (119, 59503), (120, 59515), (125, 59536), (143, 59638), (166, 59779),

Gene: Inca_27 Start: 26197, Stop: 27159, Start Num: 11
Candidate Starts for Inca_27:
(Start: 11 @26197 has 139 MA's), (21, 26260), (23, 26275), (27, 26314), (33, 26380), (63, 26542), (Start: 65 @26545 has 1 MA's), (84, 26644), (91, 26674), (97, 26713), (99, 26722), (125, 26893), (135, 26959), (137, 26965), (145, 27022), (151, 27064), (157, 27094),

Gene: InigoMontoya_118 Start: 59350, Stop: 59958, Start Num: 71
Candidate Starts for InigoMontoya_118:
(37, 59215), (Start: 71 @59350 has 188 MA's), (86, 59437), (101, 59509), (111, 59575), (119, 59638), (120, 59650), (125, 59671), (143, 59773), (166, 59914),

Gene: InterFolia_123 Start: 62130, Stop: 62738, Start Num: 71
Candidate Starts for InterFolia_123:
(37, 61995), (Start: 71 @62130 has 188 MA's), (86, 62217), (101, 62289), (111, 62355), (119, 62418), (120, 62430), (125, 62451), (143, 62553), (166, 62694),

Gene: Inyanga_5 Start: 3144, Stop: 3845, Start Num: 38
Candidate Starts for Inyanga_5:
(Start: 38 @3144 has 175 MA's), (Start: 41 @3153 has 11 MA's), (72, 3276), (74, 3285), (77, 3306), (85, 3348), (92, 3378), (97, 3408), (112, 3504), (117, 3537), (129, 3624), (142, 3684), (147, 3726), (165, 3828),

Gene: Iota_112 Start: 59827, Stop: 60435, Start Num: 71
Candidate Starts for Iota_112:
(37, 59692), (Start: 71 @59827 has 188 MA's), (86, 59914), (101, 59986), (111, 60052), (119, 60115), (120, 60127), (125, 60148), (143, 60250), (166, 60391),

Gene: Iqorha_5 Start: 3144, Stop: 3845, Start Num: 38
Candidate Starts for Iqorha_5:
(Start: 38 @3144 has 175 MA's), (Start: 41 @3153 has 11 MA's), (72, 3276), (74, 3285), (77, 3306), (85, 3348), (92, 3378), (97, 3408), (112, 3504), (117, 3537), (129, 3624), (142, 3684), (147, 3726), (165, 3828),

Gene: Island3_27 Start: 24377, Stop: 25072, Start Num: 39
Candidate Starts for Island3_27:
(Start: 39 @24377 has 5 MA's), (53, 24431), (59, 24464), (64, 24476), (77, 24539), (78, 24545), (81, 24566), (82, 24569), (83, 24572), (87, 24584), (99, 24632), (102, 24647), (104, 24656), (125, 24803), (127, 24830), (131, 24851), (138, 24881), (144, 24926), (149, 24968), (158, 25001),

Gene: Issimir_115 Start: 60835, Stop: 61443, Start Num: 71
Candidate Starts for Issimir_115:
(37, 60700), (Start: 71 @60835 has 188 MA's), (86, 60922), (101, 60994), (111, 61060), (119, 61123), (120, 61135), (125, 61156), (143, 61258), (166, 61399),

Gene: Izajani_117 Start: 61041, Stop: 61649, Start Num: 71
Candidate Starts for Izajani_117:
(37, 60906), (Start: 71 @61041 has 188 MA's), (86, 61128), (101, 61200), (111, 61266), (119, 61329), (120, 61341), (125, 61362), (143, 61464), (166, 61605),

Gene: JC27_7 Start: 3784, Stop: 4485, Start Num: 38
Candidate Starts for JC27_7:
(Start: 38 @3784 has 175 MA's), (Start: 41 @3793 has 11 MA's), (72, 3916), (74, 3925), (77, 3946), (85, 3988), (92, 4018), (97, 4048), (112, 4144), (117, 4177), (129, 4264), (147, 4366), (165, 4468),

Gene: JPickles_114 Start: 58620, Stop: 59228, Start Num: 71
Candidate Starts for JPickles_114:
(37, 58485), (Start: 71 @58620 has 188 MA's), (86, 58707), (101, 58779), (111, 58845), (119, 58908), (120, 58920), (125, 58941), (143, 59043), (166, 59184),

Gene: Jabbawokkie_28 Start: 23152, Stop: 24099, Start Num: 11
Candidate Starts for Jabbawokkie_28:
(Start: 11 @23152 has 139 MA's), (Start: 12 @23155 has 29 MA's), (14, 23170), (17, 23200), (18, 23203), (20, 23209), (94, 23644), (97, 23665), (115, 23788), (120, 23824), (125, 23845), (130, 23890), (135, 23908), (145, 23971), (155, 24025), (158, 24043),

Gene: JackSparrow_6 Start: 3351, Stop: 4052, Start Num: 38
Candidate Starts for JackSparrow_6:
(Start: 38 @3351 has 175 MA's), (Start: 41 @3360 has 11 MA's), (72, 3483), (74, 3492), (77, 3513), (85, 3555), (92, 3585), (97, 3615), (112, 3711), (117, 3744), (129, 3831), (142, 3891), (147, 3933), (165, 4035),

Gene: Janiyra_119 Start: 60316, Stop: 60924, Start Num: 71
Candidate Starts for Janiyra_119:
(37, 60181), (Start: 71 @60316 has 188 MA's), (86, 60403), (101, 60475), (111, 60541), (119, 60604), (120, 60616), (125, 60637), (143, 60739), (166, 60880),

Gene: JayJay_122 Start: 61826, Stop: 62434, Start Num: 71
Candidate Starts for JayJay_122:
(37, 61691), (Start: 71 @61826 has 188 MA's), (86, 61913), (101, 61985), (111, 62051), (119, 62114), (120, 62126), (125, 62147), (143, 62249), (166, 62390),

Gene: Jaygup_117 Start: 60145, Stop: 60753, Start Num: 71
Candidate Starts for Jaygup_117:
(37, 60010), (Start: 71 @60145 has 188 MA's), (86, 60232), (101, 60304), (111, 60370), (119, 60433), (120, 60445), (125, 60466), (143, 60568), (166, 60709),

Gene: JeTaime_30 Start: 28319, Stop: 29281, Start Num: 11
Candidate Starts for JeTaime_30:
(Start: 11 @28319 has 139 MA's), (21, 28382), (23, 28397), (27, 28436), (33, 28502), (63, 28664), (Start: 65 @28667 has 1 MA's), (84, 28766), (91, 28796), (97, 28835), (99, 28844), (125, 29015), (135, 29081), (137, 29087), (145, 29144), (151, 29186), (157, 29216),

Gene: Jedediah_120 Start: 60678, Stop: 61286, Start Num: 71
Candidate Starts for Jedediah_120:
(37, 60543), (Start: 71 @60678 has 188 MA's), (86, 60765), (101, 60837), (111, 60903), (119, 60966), (120, 60978), (125, 60999), (143, 61101), (166, 61242),

Gene: Jemmno_117 Start: 60125, Stop: 60733, Start Num: 71
Candidate Starts for Jemmno_117:
(37, 59990), (Start: 71 @60125 has 188 MA's), (86, 60212), (101, 60284), (111, 60350), (119, 60413), (120, 60425), (125, 60446), (143, 60548), (166, 60689),

Gene: Jessibeth14_116 Start: 60657, Stop: 61265, Start Num: 71
Candidate Starts for Jessibeth14_116:
(37, 60522), (Start: 71 @60657 has 188 MA's), (86, 60744), (101, 60816), (111, 60882), (119, 60945), (120, 60957), (125, 60978), (143, 61080), (166, 61221),

Gene: Jezreel_117 Start: 60810, Stop: 61418, Start Num: 71
Candidate Starts for Jezreel_117:
(37, 60675), (Start: 71 @60810 has 188 MA's), (86, 60897), (101, 60969), (111, 61035), (119, 61098), (120, 61110), (125, 61131), (143, 61233), (166, 61374),

Gene: JigglyPuff_124 Start: 62975, Stop: 63583, Start Num: 71
Candidate Starts for JigglyPuff_124:
(37, 62840), (Start: 71 @62975 has 188 MA's), (86, 63062), (101, 63134), (111, 63200), (119, 63263), (120, 63275), (125, 63296), (143, 63398), (166, 63539),

Gene: JuliaChild_8 Start: 3828, Stop: 4529, Start Num: 38
Candidate Starts for JuliaChild_8:
(Start: 38 @3828 has 175 MA's), (Start: 41 @3837 has 11 MA's), (72, 3960), (74, 3969), (77, 3990), (85, 4032), (92, 4062), (97, 4092), (112, 4188), (117, 4221), (129, 4308), (142, 4368), (147, 4410), (165, 4512),

Gene: JulietS_111 Start: 58012, Stop: 58620, Start Num: 71
Candidate Starts for JulietS_111:
(37, 57877), (Start: 71 @58012 has 188 MA's), (86, 58099), (101, 58171), (111, 58237), (119, 58300), (120, 58312), (125, 58333), (143, 58435), (166, 58576),

Gene: JustHall_114 Start: 60184, Stop: 60792, Start Num: 71
Candidate Starts for JustHall_114:
(37, 60049), (Start: 71 @60184 has 188 MA's), (86, 60271), (101, 60343), (111, 60409), (119, 60472), (120, 60484), (125, 60505), (143, 60607), (166, 60748),

Gene: KBG_6 Start: 3719, Stop: 4420, Start Num: 38
Candidate Starts for KBG_6:
(Start: 38 @3719 has 175 MA's), (Start: 41 @3728 has 11 MA's), (72, 3851), (74, 3860), (77, 3881), (85, 3923), (92, 3953), (97, 3983), (112, 4079), (117, 4112), (129, 4199), (142, 4259), (147, 4301), (165, 4403),

Gene: Kamryn_117 Start: 61462, Stop: 62070, Start Num: 71
Candidate Starts for Kamryn_117:
(37, 61327), (Start: 71 @61462 has 188 MA's), (86, 61549), (101, 61621), (111, 61687), (119, 61750), (120, 61762), (125, 61783), (143, 61885), (166, 62026),

Gene: Kanely_7 Start: 3938, Stop: 4639, Start Num: 38
Candidate Starts for Kanely_7:
(Start: 38 @3938 has 175 MA's), (Start: 41 @3947 has 11 MA's), (72, 4070), (74, 4079), (77, 4100), (85, 4142), (92, 4172), (97, 4202), (112, 4298), (117, 4331), (129, 4418), (165, 4622),

Gene: Kanye_30 Start: 28504, Stop: 29466, Start Num: 11
Candidate Starts for Kanye_30:
(Start: 11 @28504 has 139 MA's), (21, 28567), (23, 28582), (27, 28621), (33, 28687), (63, 28849), (Start: 65 @28852 has 1 MA's), (84, 28951), (91, 28981), (97, 29020), (99, 29029), (125, 29200), (135, 29266), (137, 29272), (145, 29329), (151, 29371), (157, 29401),

Gene: KashFlow_32 Start: 31322, Stop: 32257, Start Num: 12
Candidate Starts for KashFlow_32:
(10, 31292), (Start: 11 @31319 has 139 MA's), (Start: 12 @31322 has 29 MA's), (14, 31337), (17, 31367), (18, 31370), (20, 31376), (84, 31763), (85, 31769), (97, 31832), (108, 31889), (112, 31931), (116, 31958), (135, 32072), (150, 32174),

Gene: Kboogie_121 Start: 59828, Stop: 60436, Start Num: 71
Candidate Starts for Kboogie_121:
(37, 59693), (Start: 71 @59828 has 188 MA's), (86, 59915), (101, 59987), (111, 60053), (119, 60116), (120, 60128), (125, 60149), (143, 60251), (166, 60392),

Gene: Kenmech_7 Start: 3368, Stop: 4078, Start Num: 38
Candidate Starts for Kenmech_7:
(Start: 38 @3368 has 175 MA's), (Start: 41 @3377 has 11 MA's), (72, 3500), (77, 3530), (97, 3632), (99, 3641), (103, 3662), (112, 3734), (136, 3881), (142, 3914), (150, 3974), (165, 4061),

Gene: Kenuha5_20 Start: 22858, Stop: 23793, Start Num: 12
Candidate Starts for Kenuha5_20:
(10, 22828), (Start: 11 @22855 has 139 MA's), (Start: 12 @22858 has 29 MA's), (18, 22906), (84, 23299), (85, 23305), (97, 23368), (108, 23425), (112, 23467), (116, 23494), (135, 23608), (150, 23710),

Gene: Kersh_21 Start: 22891, Stop: 23838, Start Num: 12
Candidate Starts for Kersh_21:
(10, 22861), (Start: 11 @22888 has 139 MA's), (Start: 12 @22891 has 29 MA's), (14, 22906), (18, 22939), (20, 22945), (34, 23095), (36, 23098), (49, 23164), (50, 23167), (84, 23332), (97, 23401), (121, 23569), (129, 23620), (137, 23650), (141, 23680),

Gene: Khaleesi_116 Start: 60760, Stop: 61368, Start Num: 71
Candidate Starts for Khaleesi_116:
(37, 60625), (Start: 71 @60760 has 188 MA's), (86, 60847), (101, 60919), (111, 60985), (119, 61048), (120, 61060), (125, 61081), (143, 61183), (166, 61324),

Gene: KikiBouba_7 Start: 3343, Stop: 4053, Start Num: 38
Candidate Starts for KikiBouba_7:
(Start: 38 @3343 has 175 MA's), (Start: 41 @3352 has 11 MA's), (72, 3475), (77, 3505), (97, 3607), (99, 3616), (103, 3637), (112, 3709), (136, 3856), (142, 3889), (150, 3949), (165, 4036),

Gene: Kimchi_30 Start: 27511, Stop: 28473, Start Num: 11
Candidate Starts for Kimchi_30:
(Start: 11 @27511 has 139 MA's), (21, 27574), (23, 27589), (27, 27628), (33, 27694), (63, 27856), (Start: 65 @27859 has 1 MA's), (84, 27958), (91, 27988), (97, 28027), (99, 28036), (125, 28207), (135, 28273), (137, 28279), (145, 28336), (151, 28378), (157, 28408),

Gene: Kingsley_21 Start: 22567, Stop: 23514, Start Num: 12
Candidate Starts for Kingsley_21:
(10, 22537), (Start: 11 @22564 has 139 MA's), (Start: 12 @22567 has 29 MA's), (14, 22582), (17, 22612), (18, 22615), (20, 22621), (97, 23074), (163, 23473),

Gene: Koguma_114 Start: 58305, Stop: 58913, Start Num: 71
Candidate Starts for Koguma_114:
(37, 58170), (Start: 71 @58305 has 188 MA's), (86, 58392), (101, 58464), (111, 58530), (119, 58593), (120, 58605), (125, 58626), (143, 58728), (166, 58869),

Gene: Krili_63 Start: 40852, Stop: 41538, Start Num: 45
Candidate Starts for Krili_63:
(Start: 45 @40852 has 7 MA's), (52, 40879), (54, 40888), (58, 40906), (61, 40918), (66, 40939), (84, 41032), (86, 41041), (97, 41098), (100, 41110), (107, 41152), (113, 41200), (120, 41257), (128, 41311), (141, 41380), (145, 41407), (152, 41449), (153, 41452), (158, 41479), (165, 41530),

Gene: Kugel_7 Start: 3406, Stop: 4116, Start Num: 38
Candidate Starts for Kugel_7:
(Start: 38 @3406 has 175 MA's), (Start: 41 @3415 has 11 MA's), (72, 3538), (77, 3568), (97, 3670), (99, 3679), (103, 3700), (112, 3772), (136, 3919), (142, 3952), (150, 4012), (165, 4099),

Gene: KyMonks1A_8 Start: 3672, Stop: 4373, Start Num: 38
Candidate Starts for KyMonks1A_8:

(Start: 38 @3672 has 175 MA's), (Start: 41 @3681 has 11 MA's), (72, 3804), (74, 3813), (77, 3834), (85, 3876), (97, 3936), (112, 4032), (117, 4065), (129, 4152), (142, 4212), (147, 4254),

Gene: Kykar_4 Start: 2883, Stop: 3593, Start Num: 38
Candidate Starts for Kykar_4:
(Start: 38 @2883 has 175 MA's), (Start: 41 @2892 has 11 MA's), (72, 3015), (77, 3045), (97, 3147), (99, 3156), (103, 3177), (112, 3249), (136, 3396), (142, 3429), (150, 3489), (165, 3576),

Gene: LRRHood_110 Start: 60103, Stop: 60711, Start Num: 71
Candidate Starts for LRRHood_110:
(37, 59968), (Start: 71 @60103 has 188 MA's), (86, 60190), (101, 60262), (111, 60328), (119, 60391), (120, 60403), (125, 60424), (143, 60526), (166, 60667),

Gene: Labradorite_118 Start: 58842, Stop: 59450, Start Num: 71
Candidate Starts for Labradorite_118:
(4, 58323), (37, 58707), (Start: 71 @58842 has 188 MA's), (86, 58929), (101, 59001), (111, 59067), (119, 59130), (120, 59142), (125, 59163), (143, 59265), (166, 59406),

Gene: Lamina13_6 Start: 2960, Stop: 3655, Start Num: 38
Candidate Starts for Lamina13_6:
(Start: 38 @2960 has 175 MA's), (Start: 41 @2969 has 11 MA's), (69, 3077), (94, 3203), (97, 3224), (108, 3278), (129, 3437), (137, 3467), (138, 3473), (148, 3542), (150, 3554),

Gene: Latch_117 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for Latch_117:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Lee7_120 Start: 61394, Stop: 62002, Start Num: 71
Candidate Starts for Lee7_120:
(37, 61259), (Start: 71 @61394 has 188 MA's), (86, 61481), (101, 61553), (111, 61619), (119, 61682), (120, 61694), (125, 61715), (143, 61817), (166, 61958),

Gene: Lesedi_5 Start: 3098, Stop: 3808, Start Num: 38
Candidate Starts for Lesedi_5:
(Start: 38 @3098 has 175 MA's), (Start: 41 @3107 has 11 MA's), (72, 3230), (77, 3260), (97, 3362), (99, 3371), (103, 3392), (112, 3464), (136, 3611), (142, 3644), (150, 3704), (165, 3791),

Gene: Lethe_115 Start: 60832, Stop: 61440, Start Num: 71
Candidate Starts for Lethe_115:
(37, 60697), (Start: 71 @60832 has 188 MA's), (86, 60919), (101, 60991), (111, 61057), (119, 61120), (120, 61132), (125, 61153), (143, 61255), (166, 61396),

Gene: Levia_5 Start: 2818, Stop: 3528, Start Num: 38
Candidate Starts for Levia_5:
(Start: 38 @2818 has 175 MA's), (Start: 41 @2827 has 11 MA's), (72, 2950), (77, 2980), (97, 3082), (99, 3091), (103, 3112), (112, 3184), (136, 3331), (142, 3364), (150, 3424), (165, 3511),

Gene: Licorice_8 Start: 3957, Stop: 4667, Start Num: 38
Candidate Starts for Licorice_8:
(Start: 38 @3957 has 175 MA's), (Start: 41 @3966 has 11 MA's), (72, 4089), (77, 4119), (97, 4221), (99, 4230), (103, 4251), (112, 4323), (136, 4470), (142, 4503), (150, 4563), (165, 4650),

Gene: LifeSavor_115 Start: 60077, Stop: 60685, Start Num: 71
Candidate Starts for LifeSavor_115:
(37, 59942), (Start: 71 @60077 has 188 MA's), (86, 60164), (101, 60236), (111, 60302), (119, 60365), (120, 60377), (125, 60398), (143, 60500), (166, 60641),

Gene: LilBib_5 Start: 3141, Stop: 3842, Start Num: 38
Candidate Starts for LilBib_5:
(Start: 38 @3141 has 175 MA's), (Start: 41 @3150 has 11 MA's), (72, 3273), (74, 3282), (77, 3303), (85, 3345), (92, 3375), (97, 3405), (112, 3501), (117, 3534), (129, 3621), (142, 3681), (147, 3723), (165, 3825),

Gene: Lilac_30 Start: 27015, Stop: 27977, Start Num: 11
Candidate Starts for Lilac_30:
(Start: 11 @27015 has 139 MA's), (21, 27078), (23, 27093), (27, 27132), (33, 27198), (63, 27360), (Start: 65 @27363 has 1 MA's), (84, 27462), (91, 27492), (97, 27531), (99, 27540), (125, 27711), (135, 27777), (137, 27783), (145, 27840), (151, 27882), (157, 27912),

Gene: Lilizi_30 Start: 27223, Stop: 28185, Start Num: 11
Candidate Starts for Lilizi_30:
(Start: 11 @27223 has 139 MA's), (21, 27286), (23, 27301), (27, 27340), (33, 27406), (63, 27568), (Start: 65 @27571 has 1 MA's), (84, 27670), (91, 27700), (97, 27739), (99, 27748), (125, 27919), (135, 27985), (137, 27991), (145, 28048), (151, 28090), (157, 28120),

Gene: Lilpickle_27 Start: 26725, Stop: 27687, Start Num: 11
Candidate Starts for Lilpickle_27:
(Start: 11 @26725 has 139 MA's), (21, 26788), (23, 26803), (27, 26842), (33, 26908), (63, 27070), (Start: 65 @27073 has 1 MA's), (84, 27172), (91, 27202), (97, 27241), (99, 27250), (125, 27421), (135, 27487), (137, 27493), (145, 27550), (151, 27592), (157, 27622),

Gene: LinStu_115 Start: 60722, Stop: 61330, Start Num: 71
Candidate Starts for LinStu_115:
(37, 60587), (Start: 71 @60722 has 188 MA's), (86, 60809), (101, 60881), (111, 60947), (119, 61010), (120, 61022), (125, 61043), (143, 61145), (166, 61286),

Gene: Littleton_117 Start: 60207, Stop: 60815, Start Num: 71
Candidate Starts for Littleton_117:
(37, 60072), (Start: 71 @60207 has 188 MA's), (86, 60294), (101, 60366), (111, 60432), (119, 60495), (120, 60507), (125, 60528), (143, 60630), (166, 60771),

Gene: Loanshark_116 Start: 60728, Stop: 61336, Start Num: 71
Candidate Starts for Loanshark_116:
(37, 60593), (Start: 71 @60728 has 188 MA's), (86, 60815), (101, 60887), (111, 60953), (119, 61016), (120, 61028), (125, 61049), (143, 61151), (166, 61292),

Gene: Lockley_6 Start: 3279, Stop: 3989, Start Num: 38
Candidate Starts for Lockley_6:
(Start: 38 @3279 has 175 MA's), (Start: 41 @3288 has 11 MA's), (72, 3411), (77, 3441), (97, 3543), (99, 3552), (103, 3573), (112, 3645), (136, 3792), (142, 3825), (150, 3885), (165, 3972),

Gene: LolaVinca_117 Start: 61080, Stop: 61688, Start Num: 71
Candidate Starts for LolaVinca_117:
(4, 60561), (37, 60945), (Start: 71 @61080 has 188 MA's), (86, 61167), (101, 61239), (111, 61305), (119, 61368), (120, 61380), (125, 61401), (143, 61503), (166, 61644),

Gene: LookingGlass_117 Start: 60905, Stop: 61513, Start Num: 71
Candidate Starts for LookingGlass_117:
(37, 60770), (Start: 71 @60905 has 188 MA's), (86, 60992), (101, 61064), (111, 61130), (119, 61193), (120, 61205), (125, 61226), (143, 61328), (166, 61469),

Gene: Lopton_7 Start: 3693, Stop: 4394, Start Num: 38
Candidate Starts for Lopton_7:
(Start: 38 @3693 has 175 MA's), (Start: 41 @3702 has 11 MA's), (72, 3825), (74, 3834), (77, 3855), (85, 3897), (92, 3927), (97, 3957), (112, 4053), (117, 4086), (129, 4173), (147, 4275), (165, 4377),

Gene: LordLeafolot_121 Start: 62047, Stop: 62655, Start Num: 71
Candidate Starts for LordLeafolot_121:
(4, 61528), (37, 61912), (Start: 71 @62047 has 188 MA's), (86, 62134), (101, 62206), (111, 62272), (119, 62335), (120, 62347), (125, 62368), (143, 62470), (166, 62611),

Gene: Lucky2013_38 Start: 33219, Stop: 34166, Start Num: 12
Candidate Starts for Lucky2013_38:
(Start: 11 @33216 has 139 MA's), (Start: 12 @33219 has 29 MA's), (14, 33234), (18, 33267), (20, 33273), (31, 33363), (34, 33423), (36, 33426), (49, 33492), (50, 33495), (84, 33660), (97, 33729), (121, 33897), (129, 33948), (137, 33978), (141, 34008),

Gene: LunaStella_22 Start: 23236, Stop: 24183, Start Num: 12
Candidate Starts for LunaStella_22:
(10, 23206), (Start: 11 @23233 has 139 MA's), (Start: 12 @23236 has 29 MA's), (14, 23251), (18, 23284), (31, 23380), (51, 23521), (58, 23548), (97, 23743), (133, 23983), (134, 23986), (136, 23992), (137, 23995), (141, 24025),

Gene: Lunareta_115 Start: 62000, Stop: 62608, Start Num: 71
Candidate Starts for Lunareta_115:
(37, 61865), (Start: 71 @62000 has 188 MA's), (86, 62087), (101, 62159), (111, 62225), (119, 62288), (120, 62300), (125, 62321), (143, 62423), (166, 62564),

Gene: MISSy_27 Start: 27030, Stop: 27992, Start Num: 11
Candidate Starts for MISSy_27:
(Start: 11 @27030 has 139 MA's), (21, 27093), (23, 27108), (27, 27147), (33, 27213), (63, 27375), (Start: 65 @27378 has 1 MA's), (84, 27477), (91, 27507), (97, 27546), (99, 27555), (125, 27726), (135, 27792), (137, 27798), (145, 27855), (151, 27897), (157, 27927),

Gene: MPhalcon_27 Start: 27024, Stop: 27986, Start Num: 11
Candidate Starts for MPhalcon_27:
(Start: 11 @27024 has 139 MA's), (21, 27087), (23, 27102), (27, 27141), (33, 27207), (63, 27369), (Start: 65 @27372 has 1 MA's), (84, 27471), (91, 27501), (97, 27540), (99, 27549), (125, 27720), (135, 27786), (137, 27792), (145, 27849), (151, 27891), (157, 27921),

Gene: MPlant7149_5 Start: 2926, Stop: 3627, Start Num: 38
Candidate Starts for MPlant7149_5:
(Start: 38 @2926 has 175 MA's), (Start: 41 @2935 has 11 MA's), (72, 3058), (74, 3067), (77, 3088), (85, 3130), (92, 3160), (97, 3190), (112, 3286), (117, 3319), (129, 3406), (147, 3508), (165, 3610),

Gene: Maby2021_117 Start: 60854, Stop: 61462, Start Num: 71
Candidate Starts for Maby2021_117:

(37, 60719), (Start: 71 @60854 has 188 MA's), (86, 60941), (101, 61013), (111, 61079), (119, 61142), (120, 61154), (125, 61175), (143, 61277), (166, 61418),

Gene: MadMen_21 Start: 22963, Stop: 23895, Start Num: 12
Candidate Starts for MadMen_21:
(10, 22933), (Start: 11 @22960 has 139 MA's), (Start: 12 @22963 has 29 MA's), (18, 23011), (31, 23107), (84, 23404), (85, 23410), (86, 23413), (97, 23473), (108, 23530), (114, 23578), (122, 23638), (124, 23644), (129, 23686), (130, 23692), (150, 23812), (155, 23827),

Gene: MadamMonkfish_28 Start: 26936, Stop: 27898, Start Num: 11
Candidate Starts for MadamMonkfish_28:
(Start: 11 @26936 has 139 MA's), (21, 26999), (23, 27014), (27, 27053), (33, 27119), (63, 27281), (Start: 65 @27284 has 1 MA's), (84, 27383), (91, 27413), (97, 27452), (99, 27461), (125, 27632), (135, 27698), (137, 27704), (145, 27761), (151, 27803), (157, 27833),

Gene: Madiba_21 Start: 22605, Stop: 23540, Start Num: 12
Candidate Starts for Madiba_21:
(10, 22575), (Start: 11 @22602 has 139 MA's), (Start: 12 @22605 has 29 MA's), (18, 22653), (31, 22749), (84, 23046), (85, 23052), (97, 23115), (108, 23172), (112, 23214), (116, 23241), (135, 23355), (158, 23490),

Gene: Magnar_6 Start: 3078, Stop: 3779, Start Num: 38
Candidate Starts for Magnar_6:
(Start: 38 @3078 has 175 MA's), (Start: 41 @3087 has 11 MA's), (72, 3210), (74, 3219), (77, 3240), (85, 3282), (97, 3342), (112, 3438), (117, 3471), (129, 3558), (142, 3618), (147, 3660),

Gene: Magnito_5 Start: 2814, Stop: 3524, Start Num: 38
Candidate Starts for Magnito_5:
(Start: 38 @2814 has 175 MA's), (Start: 41 @2823 has 11 MA's), (72, 2946), (77, 2976), (97, 3078), (99, 3087), (103, 3108), (112, 3180), (136, 3327), (142, 3360), (150, 3420), (165, 3507),

Gene: Maguvora_121 Start: 61434, Stop: 62042, Start Num: 71
Candidate Starts for Maguvora_121:
(37, 61299), (Start: 71 @61434 has 188 MA's), (86, 61521), (101, 61593), (111, 61659), (119, 61722), (120, 61734), (125, 61755), (143, 61857), (166, 61998),

Gene: Makemake_6 Start: 3551, Stop: 4240, Start Num: 38
Candidate Starts for Makemake_6:
(Start: 38 @3551 has 175 MA's), (Start: 41 @3560 has 11 MA's), (69, 3662), (86, 3752), (97, 3809), (108, 3863), (109, 3866), (114, 3908), (120, 3962), (129, 4022), (135, 4046), (137, 4052), (148, 4127), (150, 4139),

Gene: Manatee_6 Start: 3013, Stop: 3723, Start Num: 38
Candidate Starts for Manatee_6:
(Start: 38 @3013 has 175 MA's), (Start: 41 @3022 has 11 MA's), (72, 3145), (77, 3175), (97, 3277), (99, 3286), (103, 3307), (112, 3379), (136, 3526), (142, 3559), (150, 3619), (165, 3706),

Gene: Manda_29 Start: 28003, Stop: 28965, Start Num: 11
Candidate Starts for Manda_29:
(Start: 11 @28003 has 139 MA's), (21, 28066), (23, 28081), (27, 28120), (33, 28186), (63, 28348), (Start: 65 @28351 has 1 MA's), (84, 28450), (91, 28480), (97, 28519), (99, 28528), (125, 28699), (135, 28765), (137, 28771), (145, 28828), (151, 28870), (157, 28900),

Gene: Mangeria_117 Start: 60923, Stop: 61531, Start Num: 71
Candidate Starts for Mangeria_117:
(37, 60788), (Start: 71 @60923 has 188 MA's), (86, 61010), (101, 61082), (111, 61148), (119, 61211), (120, 61223), (125, 61244), (143, 61346), (166, 61487),

Gene: Marcell_6 Start: 3274, Stop: 3984, Start Num: 38
Candidate Starts for Marcell_6:
(Start: 38 @3274 has 175 MA's), (Start: 41 @3283 has 11 MA's), (72, 3406), (77, 3436), (97, 3538), (99, 3547), (103, 3568), (112, 3640), (136, 3787), (142, 3820), (150, 3880), (165, 3967),

Gene: Marchy_5 Start: 2910, Stop: 3611, Start Num: 38
Candidate Starts for Marchy_5:
(Start: 38 @2910 has 175 MA's), (Start: 41 @2919 has 11 MA's), (72, 3042), (74, 3051), (77, 3072), (85, 3114), (92, 3144), (97, 3174), (112, 3270), (117, 3303), (129, 3390),

Gene: Marco3_6 Start: 3576, Stop: 4277, Start Num: 38
Candidate Starts for Marco3_6:
(Start: 38 @3576 has 175 MA's), (Start: 41 @3585 has 11 MA's), (72, 3708), (74, 3717), (77, 3738), (85, 3780), (92, 3810), (97, 3840), (112, 3936), (117, 3969), (129, 4056), (142, 4116), (165, 4260),

Gene: Marge_6 Start: 3295, Stop: 4005, Start Num: 38
Candidate Starts for Marge_6:
(Start: 38 @3295 has 175 MA's), (Start: 41 @3304 has 11 MA's), (72, 3427), (77, 3457), (97, 3559), (99, 3568), (103, 3589), (112, 3661), (136, 3808), (142, 3841), (150, 3901), (165, 3988),

Gene: Maroc7_5 Start: 3096, Stop: 3797, Start Num: 38
Candidate Starts for Maroc7_5:
(Start: 38 @3096 has 175 MA's), (Start: 41 @3105 has 11 MA's), (72, 3228), (74, 3237), (77, 3258), (85, 3300), (92, 3330), (97, 3360), (112, 3456), (117, 3489), (129, 3576), (165, 3780),

Gene: Marsha_6 Start: 3549, Stop: 4250, Start Num: 38
Candidate Starts for Marsha_6:
(Start: 38 @3549 has 175 MA's), (Start: 41 @3558 has 11 MA's), (72, 3681), (74, 3690), (77, 3711), (85, 3753), (92, 3783), (97, 3813), (112, 3909), (117, 3942), (129, 4029), (142, 4089), (147, 4131),

Gene: Marshmallow_28 Start: 27523, Stop: 28467, Start Num: 11
Candidate Starts for Marshmallow_28:
(Start: 11 @27523 has 139 MA's), (14, 27541), (21, 27586), (40, 27766), (49, 27799), (57, 27838), (63, 27868), (Start: 65 @27871 has 1 MA's), (67, 27880), (84, 27973), (85, 27979), (97, 28042), (108, 28099), (112, 28141), (116, 28168), (135, 28282), (150, 28384),

Gene: MaryBeth_6 Start: 3520, Stop: 4221, Start Num: 38
Candidate Starts for MaryBeth_6:
(Start: 38 @3520 has 175 MA's), (Start: 41 @3529 has 11 MA's), (72, 3652), (74, 3661), (77, 3682), (85, 3724), (92, 3754), (97, 3784), (112, 3880), (117, 3913), (129, 4000), (147, 4102), (165, 4204),

Gene: Matsumoto_115 Start: 59706, Stop: 60314, Start Num: 71
Candidate Starts for Matsumoto_115:
(37, 59571), (Start: 71 @59706 has 188 MA's), (86, 59793), (101, 59865), (111, 59931), (119, 59994), (120, 60006), (125, 60027), (143, 60129), (166, 60270),

Gene: Maturis_114 Start: 60496, Stop: 61104, Start Num: 71
Candidate Starts for Maturis_114:

(37, 60361), (Start: 71 @60496 has 188 MA's), (86, 60583), (101, 60655), (111, 60721), (119, 60784), (120, 60796), (125, 60817), (143, 60919), (166, 61060),

Gene: Maxxinista_29 Start: 26985, Stop: 27947, Start Num: 11
Candidate Starts for Maxxinista_29:
(Start: 11 @26985 has 139 MA's), (21, 27048), (23, 27063), (27, 27102), (33, 27168), (63, 27330), (Start: 65 @27333 has 1 MA's), (84, 27432), (91, 27462), (97, 27501), (99, 27510), (125, 27681), (135, 27747), (137, 27753), (145, 27810), (151, 27852), (157, 27882),

Gene: McGee_119 Start: 59469, Stop: 60077, Start Num: 71
Candidate Starts for McGee_119:
(37, 59334), (Start: 71 @59469 has 188 MA's), (86, 59556), (101, 59628), (111, 59694), (119, 59757), (120, 59769), (125, 59790), (143, 59892), (166, 60033),

Gene: McSinger_7 Start: 3478, Stop: 4182, Start Num: 38
Candidate Starts for McSinger_7:
(Start: 38 @3478 has 175 MA's), (Start: 41 @3487 has 11 MA's), (72, 3610), (77, 3640), (85, 3682), (95, 3727), (97, 3742), (99, 3751), (112, 3841), (142, 4021), (162, 4132), (165, 4165),

Gene: McWolfish_115 Start: 60643, Stop: 61251, Start Num: 71
Candidate Starts for McWolfish_115:
(37, 60508), (Start: 71 @60643 has 188 MA's), (86, 60730), (101, 60802), (111, 60868), (119, 60931), (120, 60943), (125, 60964), (143, 61066), (166, 61207),

Gene: Megamind_116 Start: 60527, Stop: 61135, Start Num: 71
Candidate Starts for Megamind_116:
(37, 60392), (Start: 71 @60527 has 188 MA's), (86, 60614), (101, 60686), (111, 60752), (119, 60815), (120, 60827), (125, 60848), (143, 60950), (166, 61091),

Gene: Melpomini_111 Start: 57993, Stop: 58601, Start Num: 71
Candidate Starts for Melpomini_111:
(37, 57858), (Start: 71 @57993 has 188 MA's), (86, 58080), (101, 58152), (111, 58218), (119, 58281), (120, 58293), (125, 58314), (143, 58416), (166, 58557),

Gene: MetalQZJ_6 Start: 3520, Stop: 4221, Start Num: 38
Candidate Starts for MetalQZJ_6:
(Start: 38 @3520 has 175 MA's), (Start: 41 @3529 has 11 MA's), (72, 3652), (74, 3661), (77, 3682), (85, 3724), (92, 3754), (97, 3784), (112, 3880), (117, 3913), (129, 4000), (147, 4102), (165, 4204),

Gene: MiaZeal_38 Start: 32904, Stop: 33851, Start Num: 12
Candidate Starts for MiaZeal_38:
(Start: 11 @32901 has 139 MA's), (Start: 12 @32904 has 29 MA's), (14, 32919), (18, 32952), (20, 32958), (31, 33048), (34, 33108), (36, 33111), (49, 33177), (50, 33180), (84, 33345), (97, 33414), (121, 33582), (129, 33633), (137, 33663), (141, 33693),

Gene: Michley_6 Start: 3280, Stop: 3972, Start Num: 38
Candidate Starts for Michley_6:
(Start: 38 @3280 has 175 MA's), (72, 3409), (88, 3490), (92, 3511), (94, 3520), (97, 3541), (102, 3565), (136, 3784), (160, 3919),

Gene: MikeLiesIn_118 Start: 60874, Stop: 61482, Start Num: 71
Candidate Starts for MikeLiesIn_118:

(37, 60739), (Start: 71 @60874 has 188 MA's), (86, 60961), (101, 61033), (111, 61099), (119, 61162), (120, 61174), (125, 61195), (143, 61297), (166, 61438),

Gene: Mikro_114 Start: 62097, Stop: 62705, Start Num: 71
Candidate Starts for Mikro_114:
(37, 61962), (Start: 71 @62097 has 188 MA's), (86, 62184), (101, 62256), (111, 62322), (119, 62385), (120, 62397), (125, 62418), (143, 62520), (166, 62661),

Gene: MilleFeuille_5 Start: 2843, Stop: 3544, Start Num: 38
Candidate Starts for MilleFeuille_5:
(Start: 38 @2843 has 175 MA's), (Start: 41 @2852 has 11 MA's), (72, 2975), (74, 2984), (77, 3005), (85, 3047), (92, 3077), (97, 3107), (112, 3203), (117, 3236), (129, 3323), (142, 3383), (147, 3425),

Gene: Mindy_28 Start: 27302, Stop: 28246, Start Num: 11
Candidate Starts for Mindy_28:
(Start: 11 @27302 has 139 MA's), (14, 27320), (21, 27365), (40, 27545), (49, 27578), (57, 27617), (63, 27647), (Start: 65 @27650 has 1 MA's), (67, 27659), (84, 27752), (85, 27758), (97, 27821), (108, 27878), (112, 27920), (116, 27947), (135, 28061), (150, 28163),

Gene: Miniwave_28 Start: 27715, Stop: 28677, Start Num: 11
Candidate Starts for Miniwave_28:
(Start: 11 @27715 has 139 MA's), (21, 27778), (23, 27793), (27, 27832), (33, 27898), (63, 28060), (Start: 65 @28063 has 1 MA's), (84, 28162), (91, 28192), (97, 28231), (99, 28240), (125, 28411), (135, 28477), (137, 28483), (145, 28540), (151, 28582), (157, 28612),

Gene: Misfit_28 Start: 27605, Stop: 28567, Start Num: 11
Candidate Starts for Misfit_28:
(Start: 11 @27605 has 139 MA's), (21, 27668), (23, 27683), (27, 27722), (33, 27788), (63, 27950), (Start: 65 @27953 has 1 MA's), (84, 28052), (91, 28082), (97, 28121), (99, 28130), (125, 28301), (135, 28367), (137, 28373), (145, 28430), (151, 28472), (157, 28502),

Gene: Mkhuseli_5 Start: 2925, Stop: 3626, Start Num: 38
Candidate Starts for Mkhuseli_5:
(Start: 38 @2925 has 175 MA's), (Start: 41 @2934 has 11 MA's), (72, 3057), (74, 3066), (77, 3087), (85, 3129), (94, 3168), (97, 3189), (112, 3285), (117, 3318), (129, 3405), (142, 3465), (147, 3507), (165, 3609),

Gene: MoMoMixon_117 Start: 60350, Stop: 60958, Start Num: 71
Candidate Starts for MoMoMixon_117:
(37, 60215), (Start: 71 @60350 has 188 MA's), (86, 60437), (101, 60509), (111, 60575), (119, 60638), (120, 60650), (125, 60671), (143, 60773), (166, 60914),

Gene: Moby_108 Start: 57274, Stop: 57882, Start Num: 71
Candidate Starts for Moby_108:
(37, 57139), (Start: 71 @57274 has 188 MA's), (86, 57361), (101, 57433), (111, 57499), (119, 57562), (120, 57574), (125, 57595), (143, 57697), (146, 57721), (166, 57838),

Gene: Moiqah_107 Start: 57251, Stop: 57859, Start Num: 71
Candidate Starts for Moiqah_107:
(37, 57116), (Start: 71 @57251 has 188 MA's), (86, 57338), (101, 57410), (111, 57476), (119, 57539), (120, 57551), (125, 57572), (143, 57674), (146, 57698), (166, 57815),

Gene: Moldemort_29 Start: 27260, Stop: 28222, Start Num: 11

Candidate Starts for Moldemort_29:
(Start: 11 @27260 has 139 MA's), (21, 27323), (23, 27338), (27, 27377), (33, 27443), (63, 27605), (Start: 65 @27608 has 1 MA's), (84, 27707), (91, 27737), (97, 27776), (99, 27785), (125, 27956), (135, 28022), (137, 28028), (145, 28085), (151, 28127), (157, 28157),

Gene: Molly_7 Start: 3126, Stop: 3827, Start Num: 38
Candidate Starts for Molly_7:
(Start: 38 @3126 has 175 MA's), (Start: 41 @3135 has 11 MA's), (72, 3258), (74, 3267), (77, 3288), (85, 3330), (92, 3360), (97, 3390), (112, 3486), (117, 3519), (129, 3606), (147, 3708), (165, 3810),

Gene: MollyToe_28 Start: 27689, Stop: 28651, Start Num: 11
Candidate Starts for MollyToe_28:
(Start: 11 @27689 has 139 MA's), (21, 27752), (23, 27767), (27, 27806), (33, 27872), (63, 28034), (Start: 65 @28037 has 1 MA's), (84, 28136), (91, 28166), (97, 28205), (99, 28214), (125, 28385), (135, 28451), (137, 28457), (145, 28514), (151, 28556), (157, 28586),

Gene: Momo_116 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for Momo_116:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Monet_6 Start: 3249, Stop: 3959, Start Num: 38
Candidate Starts for Monet_6:
(Start: 38 @3249 has 175 MA's), (Start: 41 @3258 has 11 MA's), (72, 3381), (77, 3411), (97, 3513), (99, 3522), (103, 3543), (112, 3615), (136, 3762), (142, 3795), (150, 3855), (165, 3942),

Gene: Montpel_115 Start: 61998, Stop: 62606, Start Num: 71
Candidate Starts for Montpel_115:
(37, 61863), (Start: 71 @61998 has 188 MA's), (86, 62085), (101, 62157), (111, 62223), (119, 62286), (120, 62298), (125, 62319), (143, 62421), (166, 62562),

Gene: MooMoo_20 Start: 22388, Stop: 23341, Start Num: 11
Candidate Starts for MooMoo_20:
(Start: 11 @22388 has 139 MA's), (23, 22466), (28, 22511), (30, 22529), (35, 22598), (84, 22832), (97, 22901), (134, 23144), (141, 23183), (145, 23210), (153, 23255),

Gene: Moose_5 Start: 3359, Stop: 4060, Start Num: 38
Candidate Starts for Moose_5:
(Start: 38 @3359 has 175 MA's), (Start: 41 @3368 has 11 MA's), (72, 3491), (74, 3500), (77, 3521), (85, 3563), (92, 3593), (97, 3623), (112, 3719), (117, 3752), (129, 3839), (142, 3899), (147, 3941), (165, 4043),

Gene: Morizzled23_117 Start: 59754, Stop: 60362, Start Num: 71
Candidate Starts for Morizzled23_117:
(37, 59619), (Start: 71 @59754 has 188 MA's), (86, 59841), (101, 59913), (111, 59979), (119, 60042), (120, 60054), (125, 60075), (143, 60177), (166, 60318),

Gene: Mosby_27 Start: 27022, Stop: 27984, Start Num: 11
Candidate Starts for Mosby_27:
(Start: 11 @27022 has 139 MA's), (21, 27085), (23, 27100), (27, 27139), (33, 27205), (63, 27367), (Start: 65 @27370 has 1 MA's), (84, 27469), (91, 27499), (97, 27538), (99, 27547), (125, 27718), (135, 27784), (137, 27790), (145, 27847), (151, 27889), (157, 27919),

Gene: MrGordo_6 Start: 3113, Stop: 3805, Start Num: 38
Candidate Starts for MrGordo_6:
(Start: 38 @3113 has 175 MA's), (72, 3242), (73, 3248), (88, 3323), (92, 3344), (94, 3353), (97, 3374), (102, 3398), (136, 3617), (160, 3752),

Gene: Mule_5 Start: 3184, Stop: 3885, Start Num: 38
Candidate Starts for Mule_5:
(Start: 38 @3184 has 175 MA's), (Start: 41 @3193 has 11 MA's), (72, 3316), (74, 3325), (77, 3346), (85, 3388), (92, 3418), (97, 3448), (112, 3544), (117, 3577), (129, 3664), (142, 3724), (147, 3766), (165, 3868),

Gene: Murica_27 Start: 27502, Stop: 28464, Start Num: 11
Candidate Starts for Murica_27:
(Start: 11 @27502 has 139 MA's), (21, 27565), (23, 27580), (27, 27619), (33, 27685), (63, 27847), (Start: 65 @27850 has 1 MA's), (84, 27949), (91, 27979), (97, 28018), (99, 28027), (125, 28198), (135, 28264), (137, 28270), (145, 28327), (151, 28369), (157, 28399),

Gene: Murphy_29 Start: 27497, Stop: 28459, Start Num: 11
Candidate Starts for Murphy_29:
(Start: 11 @27497 has 139 MA's), (21, 27560), (23, 27575), (27, 27614), (33, 27680), (63, 27842), (Start: 65 @27845 has 1 MA's), (84, 27944), (91, 27974), (97, 28013), (99, 28022), (125, 28193), (135, 28259), (137, 28265), (145, 28322), (151, 28364), (157, 28394),

Gene: Myrale_28 Start: 27388, Stop: 28332, Start Num: 11
Candidate Starts for Myrale_28:
(Start: 11 @27388 has 139 MA's), (14, 27406), (17, 27436), (21, 27451), (40, 27631), (49, 27664), (57, 27703), (63, 27733), (Start: 65 @27736 has 1 MA's), (67, 27745), (75, 27781), (84, 27838), (85, 27844), (97, 27907), (108, 27964), (112, 28006), (126, 28108), (135, 28147), (158, 28282),

Gene: NEHalo_6 Start: 2920, Stop: 3621, Start Num: 38
Candidate Starts for NEHalo_6:
(Start: 38 @2920 has 175 MA's), (Start: 41 @2929 has 11 MA's), (72, 3052), (74, 3061), (77, 3082), (85, 3124), (92, 3154), (97, 3184), (112, 3280), (117, 3313), (129, 3400), (147, 3502), (165, 3604),

Gene: Naija_116 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for Naija_116:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Nala_28 Start: 27544, Stop: 28488, Start Num: 11
Candidate Starts for Nala_28:
(Start: 11 @27544 has 139 MA's), (21, 27607), (23, 27622), (27, 27661), (33, 27727), (63, 27889), (Start: 65 @27892 has 1 MA's), (67, 27901), (84, 27994), (85, 28000), (97, 28063), (108, 28120), (110, 28129), (112, 28162), (135, 28303), (149, 28402), (150, 28405), (158, 28438),

Gene: Napoleon13_113 Start: 58431, Stop: 59039, Start Num: 71
Candidate Starts for Napoleon13_113:
(37, 58296), (Start: 71 @58431 has 188 MA's), (86, 58518), (101, 58590), (111, 58656), (119, 58719), (120, 58731), (125, 58752), (143, 58854), (166, 58995),

Gene: Nappy_119 Start: 61784, Stop: 62392, Start Num: 71
Candidate Starts for Nappy_119:

(37, 61649), (Start: 71 @61784 has 188 MA's), (86, 61871), (101, 61943), (111, 62009), (119, 62072), (120, 62084), (125, 62105), (143, 62207), (166, 62348),

Gene: Naval22_125 Start: 62317, Stop: 62925, Start Num: 71
Candidate Starts for Naval22_125:
(37, 62182), (Start: 71 @62317 has 188 MA's), (86, 62404), (101, 62476), (111, 62542), (119, 62605), (120, 62617), (125, 62638), (143, 62740), (166, 62881),

Gene: NedWong_118 Start: 60861, Stop: 61469, Start Num: 71
Candidate Starts for NedWong_118:
(37, 60726), (Start: 71 @60861 has 188 MA's), (86, 60948), (101, 61020), (111, 61086), (119, 61149), (120, 61161), (125, 61182), (143, 61284), (166, 61425),

Gene: NelitzaMV_28 Start: 27593, Stop: 28537, Start Num: 11
Candidate Starts for NelitzaMV_28:
(Start: 11 @27593 has 139 MA's), (14, 27611), (21, 27656), (40, 27836), (49, 27869), (57, 27908), (63, 27938), (Start: 65 @27941 has 1 MA's), (67, 27950), (84, 28043), (85, 28049), (97, 28112), (108, 28169), (112, 28211), (116, 28238), (135, 28352), (150, 28454),

Gene: Nerujay_6 Start: 3213, Stop: 3914, Start Num: 38
Candidate Starts for Nerujay_6:
(Start: 38 @3213 has 175 MA's), (Start: 41 @3222 has 11 MA's), (72, 3345), (74, 3354), (77, 3375), (85, 3417), (92, 3447), (97, 3477), (112, 3573), (117, 3606), (129, 3693), (142, 3753), (147, 3795), (165, 3897),

Gene: NewHope4_22 Start: 22169, Stop: 23029, Start Num: 24
Candidate Starts for NewHope4_22:
(Start: 24 @22169 has 1 MA's), (29, 22214), (36, 22298), (47, 22358), (56, 22400), (60, 22418), (62, 22427), (69, 22451), (73, 22472), (85, 22538), (97, 22598), (108, 22655), (112, 22694), (116, 22727), (124, 22775), (164, 23003),

Gene: Ngannou_113 Start: 58371, Stop: 58979, Start Num: 71
Candidate Starts for Ngannou_113:
(37, 58236), (Start: 71 @58371 has 188 MA's), (86, 58458), (101, 58530), (111, 58596), (119, 58659), (120, 58671), (125, 58692), (143, 58794), (166, 58935),

Gene: Nhonho_6 Start: 3216, Stop: 3917, Start Num: 38
Candidate Starts for Nhonho_6:
(Start: 38 @3216 has 175 MA's), (Start: 41 @3225 has 11 MA's), (72, 3348), (74, 3357), (85, 3420), (94, 3459), (97, 3480), (112, 3576), (117, 3609), (142, 3756), (147, 3798), (165, 3900),

Gene: Nibley_33 Start: 31759, Stop: 32694, Start Num: 12
Candidate Starts for Nibley_33:
(10, 31729), (Start: 11 @31756 has 139 MA's), (Start: 12 @31759 has 29 MA's), (14, 31774), (17, 31804), (18, 31807), (20, 31813), (84, 32200), (85, 32206), (97, 32269), (108, 32326), (112, 32368), (116, 32395), (135, 32509), (150, 32611),

Gene: Nidhogg_118 Start: 60595, Stop: 61203, Start Num: 71
Candidate Starts for Nidhogg_118:
(37, 60460), (Start: 71 @60595 has 188 MA's), (86, 60682), (101, 60754), (111, 60820), (119, 60883), (120, 60895), (125, 60916), (143, 61018), (166, 61159),

Gene: NiebruSaylor_63 Start: 40771, Stop: 41457, Start Num: 45

Candidate Starts for NiebruSaylor_63:
(Start: 45 @40771 has 7 MA's), (52, 40798), (54, 40807), (58, 40825), (61, 40837), (66, 40858), (84, 40951), (86, 40960), (97, 41017), (100, 41029), (107, 41071), (113, 41119), (120, 41176), (128, 41230), (141, 41299), (145, 41326), (152, 41368), (153, 41371), (158, 41398), (165, 41449),

Gene: Nimrod_28 Start: 27763, Stop: 28722, Start Num: 11
Candidate Starts for Nimrod_28:
(Start: 11 @27763 has 139 MA's), (21, 27826), (23, 27841), (27, 27880), (33, 27946), (68, 28126), (84, 28210), (86, 28219), (87, 28222), (93, 28249), (97, 28279), (125, 28459), (137, 28531), (145, 28588), (151, 28630), (155, 28645),

Gene: Niza_7 Start: 3932, Stop: 4633, Start Num: 38
Candidate Starts for Niza_7:
(Start: 38 @3932 has 175 MA's), (Start: 41 @3941 has 11 MA's), (72, 4064), (74, 4073), (77, 4094), (85, 4136), (92, 4166), (97, 4196), (112, 4292), (117, 4325), (129, 4412), (147, 4514), (165, 4616),

Gene: NoSleep_29 Start: 27257, Stop: 28219, Start Num: 11
Candidate Starts for NoSleep_29:
(Start: 11 @27257 has 139 MA's), (21, 27320), (23, 27335), (27, 27374), (33, 27440), (63, 27602), (Start: 65 @27605 has 1 MA's), (84, 27704), (91, 27734), (97, 27773), (99, 27782), (125, 27953), (135, 28019), (137, 28025), (145, 28082), (151, 28124), (157, 28154),

Gene: NonchalantPear_28 Start: 27210, Stop: 28172, Start Num: 11
Candidate Starts for NonchalantPear_28:
(Start: 11 @27210 has 139 MA's), (21, 27273), (23, 27288), (27, 27327), (33, 27393), (63, 27555), (Start: 65 @27558 has 1 MA's), (84, 27657), (91, 27687), (97, 27726), (99, 27735), (125, 27906), (135, 27972), (137, 27978), (145, 28035), (151, 28077), (157, 28107),

Gene: NoodleTree_124 Start: 60954, Stop: 61562, Start Num: 71
Candidate Starts for NoodleTree_124:
(37, 60819), (Start: 71 @60954 has 188 MA's), (86, 61041), (101, 61113), (111, 61179), (119, 61242), (120, 61254), (125, 61275), (143, 61377), (166, 61518),

Gene: Norm_118 Start: 61556, Stop: 62164, Start Num: 71
Candidate Starts for Norm_118:
(37, 61421), (Start: 71 @61556 has 188 MA's), (86, 61643), (101, 61715), (111, 61781), (119, 61844), (120, 61856), (125, 61877), (143, 61979), (166, 62120),

Gene: Norz_6 Start: 3312, Stop: 4001, Start Num: 38
Candidate Starts for Norz_6:
(Start: 38 @3312 has 175 MA's), (Start: 41 @3321 has 11 MA's), (69, 3423), (86, 3513), (97, 3570), (108, 3624), (109, 3627), (110, 3633), (114, 3669), (120, 3723), (129, 3783), (135, 3807), (137, 3813), (148, 3888), (150, 3900),

Gene: Noxious_7 Start: 3534, Stop: 4244, Start Num: 38
Candidate Starts for Noxious_7:
(Start: 38 @3534 has 175 MA's), (Start: 41 @3543 has 11 MA's), (72, 3666), (77, 3696), (97, 3798), (99, 3807), (103, 3828), (112, 3900), (136, 4047), (142, 4080), (150, 4140), (165, 4227),

Gene: NuevoMundo_122 Start: 63135, Stop: 63743, Start Num: 71
Candidate Starts for NuevoMundo_122:
(37, 63000), (Start: 71 @63135 has 188 MA's), (86, 63222), (101, 63294), (111, 63360), (119, 63423), (120, 63435), (125, 63456), (143, 63558), (166, 63699),

Gene: Ogopogo_23 Start: 23052, Stop: 23999, Start Num: 12
Candidate Starts for Ogopogo_23:
(10, 23022), (Start: 11 @23049 has 139 MA's), (Start: 12 @23052 has 29 MA's), (18, 23100), (20, 23106), (27, 23166), (31, 23196), (49, 23325), (50, 23328), (84, 23493), (85, 23499), (86, 23502), (97, 23562), (121, 23730), (129, 23781), (137, 23811),

Gene: Ohno789_5 Start: 2769, Stop: 3470, Start Num: 38
Candidate Starts for Ohno789_5:
(Start: 38 @2769 has 175 MA's), (Start: 41 @2778 has 11 MA's), (72, 2901), (74, 2910), (77, 2931), (85, 2973), (92, 3003), (97, 3033), (112, 3129), (117, 3162), (129, 3249), (147, 3351), (165, 3453),

Gene: Oogway_5 Start: 3340, Stop: 4041, Start Num: 38
Candidate Starts for Oogway_5:
(Start: 38 @3340 has 175 MA's), (Start: 41 @3349 has 11 MA's), (72, 3472), (74, 3481), (77, 3502), (85, 3544), (92, 3574), (97, 3604), (112, 3700), (117, 3733), (129, 3820), (165, 4024),

Gene: OrediggerDelux_120 Start: 61391, Stop: 61999, Start Num: 71
Candidate Starts for OrediggerDelux_120:
(37, 61256), (Start: 71 @61391 has 188 MA's), (86, 61478), (101, 61550), (111, 61616), (119, 61679), (120, 61691), (125, 61712), (143, 61814), (166, 61955),

Gene: OrionPax_29 Start: 27263, Stop: 28225, Start Num: 11
Candidate Starts for OrionPax_29:
(Start: 11 @27263 has 139 MA's), (21, 27326), (23, 27341), (27, 27380), (33, 27446), (63, 27608), (Start: 65 @27611 has 1 MA's), (84, 27710), (91, 27740), (97, 27779), (99, 27788), (125, 27959), (135, 28025), (137, 28031), (145, 28088), (151, 28130), (157, 28160),

Gene: PSullivan_8 Start: 3828, Stop: 4529, Start Num: 38
Candidate Starts for PSullivan_8:
(Start: 38 @3828 has 175 MA's), (Start: 41 @3837 has 11 MA's), (72, 3960), (74, 3969), (77, 3990), (85, 4032), (92, 4062), (97, 4092), (112, 4188), (117, 4221), (129, 4308), (142, 4368), (147, 4410), (165, 4512),

Gene: PacerPaul_6 Start: 3617, Stop: 4318, Start Num: 38
Candidate Starts for PacerPaul_6:
(Start: 38 @3617 has 175 MA's), (Start: 41 @3626 has 11 MA's), (72, 3749), (74, 3758), (77, 3779), (85, 3821), (92, 3851), (97, 3881), (112, 3977), (117, 4010), (129, 4097), (165, 4301),

Gene: PaddyBaddy_29 Start: 27273, Stop: 28235, Start Num: 11
Candidate Starts for PaddyBaddy_29:
(Start: 11 @27273 has 139 MA's), (21, 27336), (23, 27351), (27, 27390), (33, 27456), (63, 27618), (Start: 65 @27621 has 1 MA's), (84, 27720), (91, 27750), (97, 27789), (99, 27798), (125, 27969), (135, 28035), (137, 28041), (145, 28098), (151, 28140), (157, 28170),

Gene: PaintedDog_26 Start: 23818, Stop: 24501, Start Num: 39
Candidate Starts for PaintedDog_26:
(Start: 39 @23818 has 5 MA's), (77, 23980), (81, 24007), (82, 24010), (87, 24025), (99, 24073), (102, 24088), (108, 24124), (123, 24238), (125, 24244), (127, 24271), (131, 24292), (138, 24322), (140, 24337), (146, 24376), (149, 24397),

Gene: Palpatine_28 Start: 27532, Stop: 28494, Start Num: 11
Candidate Starts for Palpatine_28:

(Start: 11 @27532 has 139 MA's), (21, 27595), (23, 27610), (27, 27649), (33, 27715), (63, 27877), (Start: 65 @27880 has 1 MA's), (84, 27979), (91, 28009), (97, 28048), (99, 28057), (125, 28228), (135, 28294), (137, 28300), (145, 28357), (151, 28399), (157, 28429),

Gene: Paperbeatsrock_30 Start: 28498, Stop: 29460, Start Num: 11
Candidate Starts for Paperbeatsrock_30:
(Start: 11 @28498 has 139 MA's), (21, 28561), (23, 28576), (27, 28615), (33, 28681), (63, 28843), (Start: 65 @28846 has 1 MA's), (84, 28945), (91, 28975), (97, 29014), (99, 29023), (125, 29194), (135, 29260), (137, 29266), (145, 29323), (151, 29365), (157, 29395),

Gene: Papez_6 Start: 3435, Stop: 4136, Start Num: 38
Candidate Starts for Papez_6:
(Start: 38 @3435 has 175 MA's), (Start: 41 @3444 has 11 MA's), (72, 3567), (77, 3597), (85, 3639), (92, 3669), (97, 3699), (112, 3795), (117, 3828), (129, 3915), (142, 3975), (147, 4017), (165, 4119),

Gene: Paphu_5 Start: 2806, Stop: 3507, Start Num: 38
Candidate Starts for Paphu_5:
(Start: 38 @2806 has 175 MA's), (Start: 41 @2815 has 11 MA's), (72, 2938), (74, 2947), (77, 2968), (85, 3010), (97, 3070), (112, 3166), (117, 3199), (129, 3286), (142, 3346), (147, 3388), (162, 3457),

Gene: Paraselene_5 Start: 3090, Stop: 3800, Start Num: 38
Candidate Starts for Paraselene_5:
(Start: 38 @3090 has 175 MA's), (Start: 41 @3099 has 11 MA's), (72, 3222), (77, 3252), (97, 3354), (99, 3363), (103, 3384), (112, 3456), (124, 3534), (136, 3603), (142, 3636), (150, 3696), (165, 3783),

Gene: ParkTD_118 Start: 60857, Stop: 61465, Start Num: 71
Candidate Starts for ParkTD_118:
(37, 60722), (Start: 71 @60857 has 188 MA's), (86, 60944), (101, 61016), (111, 61082), (119, 61145), (120, 61157), (125, 61178), (143, 61280), (166, 61421),

Gene: PascalRango_5 Start: 2963, Stop: 3664, Start Num: 38
Candidate Starts for PascalRango_5:
(Start: 38 @2963 has 175 MA's), (Start: 41 @2972 has 11 MA's), (72, 3095), (74, 3104), (77, 3125), (85, 3167), (92, 3197), (97, 3227), (112, 3323), (117, 3356), (129, 3443), (142, 3503), (147, 3545), (165, 3647),

Gene: Pat3_27 Start: 26244, Stop: 27206, Start Num: 11
Candidate Starts for Pat3_27:
(Start: 11 @26244 has 139 MA's), (21, 26307), (23, 26322), (27, 26361), (33, 26427), (63, 26589), (Start: 65 @26592 has 1 MA's), (84, 26691), (91, 26721), (97, 26760), (99, 26769), (125, 26940), (135, 27006), (137, 27012), (145, 27069), (151, 27111), (157, 27141),

Gene: Patter_117 Start: 59406, Stop: 60014, Start Num: 71
Candidate Starts for Patter_117:
(37, 59271), (Start: 71 @59406 has 188 MA's), (86, 59493), (101, 59565), (111, 59631), (119, 59694), (120, 59706), (125, 59727), (143, 59829), (166, 59970),

Gene: PattyP_7 Start: 3121, Stop: 3822, Start Num: 38
Candidate Starts for PattyP_7:
(Start: 38 @3121 has 175 MA's), (Start: 41 @3130 has 11 MA's), (72, 3253), (74, 3262), (77, 3283), (85, 3325), (92, 3355), (97, 3385), (112, 3481), (117, 3514), (129, 3601), (142, 3661), (147, 3703), (165, 3805),

Gene: Payneful_6 Start: 2910, Stop: 3611, Start Num: 38
Candidate Starts for Payneful_6:
(Start: 38 @2910 has 175 MA's), (Start: 41 @2919 has 11 MA's), (72, 3042), (74, 3051), (77, 3072), (85, 3114), (92, 3144), (97, 3174), (112, 3270), (117, 3303), (129, 3390),

Gene: Pelly_7 Start: 3760, Stop: 4461, Start Num: 38
Candidate Starts for Pelly_7:
(Start: 38 @3760 has 175 MA's), (Start: 41 @3769 has 11 MA's), (72, 3892), (74, 3901), (77, 3922), (85, 3964), (92, 3994), (97, 4024), (112, 4120), (117, 4153), (129, 4240), (142, 4300), (147, 4342), (165, 4444),

Gene: Pepe_7 Start: 3783, Stop: 4484, Start Num: 38
Candidate Starts for Pepe_7:
(Start: 38 @3783 has 175 MA's), (Start: 41 @3792 has 11 MA's), (67, 3894), (72, 3915), (74, 3924), (77, 3945), (85, 3987), (92, 4017), (97, 4047), (112, 4143), (117, 4176), (129, 4263), (142, 4323), (165, 4467),

Gene: Perseus_7 Start: 3489, Stop: 4181, Start Num: 41
Candidate Starts for Perseus_7:
(Start: 38 @3480 has 175 MA's), (Start: 41 @3489 has 11 MA's), (72, 3612), (74, 3621), (77, 3642), (85, 3684), (92, 3714), (97, 3744), (112, 3840), (117, 3873), (129, 3960), (142, 4020), (147, 4062), (165, 4164),

Gene: Peterson_8 Start: 4615, Stop: 5310, Start Num: 38
Candidate Starts for Peterson_8:
(Start: 38 @4615 has 175 MA's), (Start: 41 @4624 has 11 MA's), (69, 4732), (94, 4858), (97, 4879), (108, 4933), (110, 4942), (129, 5092), (137, 5122), (138, 5128), (150, 5209),

Gene: Petra64142_30 Start: 27978, Stop: 28940, Start Num: 11
Candidate Starts for Petra64142_30:
(Start: 11 @27978 has 139 MA's), (21, 28041), (23, 28056), (27, 28095), (33, 28161), (63, 28323), (Start: 65 @28326 has 1 MA's), (84, 28425), (91, 28455), (97, 28494), (99, 28503), (125, 28674), (135, 28740), (137, 28746), (145, 28803), (151, 28845), (157, 28875),

Gene: Petruchio_6 Start: 3029, Stop: 3739, Start Num: 38
Candidate Starts for Petruchio_6:
(Start: 38 @3029 has 175 MA's), (Start: 41 @3038 has 11 MA's), (72, 3161), (77, 3191), (97, 3293), (99, 3302), (103, 3323), (112, 3395), (136, 3542), (142, 3575), (150, 3635), (165, 3722),

Gene: Phaja_28 Start: 27700, Stop: 28644, Start Num: 11
Candidate Starts for Phaja_28:
(Start: 11 @27700 has 139 MA's), (14, 27718), (21, 27763), (40, 27943), (49, 27976), (57, 28015), (63, 28045), (Start: 65 @28048 has 1 MA's), (67, 28057), (84, 28150), (85, 28156), (97, 28219), (108, 28276), (112, 28318), (116, 28345), (135, 28459), (150, 28561),

Gene: Phanphagia_20 Start: 22761, Stop: 23708, Start Num: 12
Candidate Starts for Phanphagia_20:
(10, 22731), (Start: 11 @22758 has 139 MA's), (Start: 12 @22761 has 29 MA's), (14, 22776), (17, 22806), (18, 22809), (20, 22815), (97, 23268), (163, 23667),

Gene: PharkleMinkus_120 Start: 61195, Stop: 61803, Start Num: 71
Candidate Starts for PharkleMinkus_120:

(37, 61060), (Start: 71 @61195 has 188 MA's), (86, 61282), (101, 61354), (111, 61420), (119, 61483), (120, 61495), (125, 61516), (143, 61618), (166, 61759),

Gene: Pharsalus_29 Start: 28298, Stop: 29260, Start Num: 11
Candidate Starts for Pharsalus_29:
(Start: 11 @28298 has 139 MA's), (21, 28361), (23, 28376), (27, 28415), (33, 28481), (63, 28643), (Start: 65 @28646 has 1 MA's), (84, 28745), (91, 28775), (97, 28814), (99, 28823), (125, 28994), (135, 29060), (137, 29066), (145, 29123), (151, 29165), (157, 29195),

Gene: PhatBacter_28 Start: 27546, Stop: 28508, Start Num: 11
Candidate Starts for PhatBacter_28:
(Start: 11 @27546 has 139 MA's), (21, 27609), (23, 27624), (27, 27663), (33, 27729), (63, 27891), (Start: 65 @27894 has 1 MA's), (84, 27993), (91, 28023), (97, 28062), (99, 28071), (125, 28242), (135, 28308), (137, 28314), (145, 28371), (151, 28413), (157, 28443),

Gene: Phaux_27 Start: 27544, Stop: 28506, Start Num: 11
Candidate Starts for Phaux_27:
(Start: 11 @27544 has 139 MA's), (21, 27607), (23, 27622), (27, 27661), (33, 27727), (63, 27889), (Start: 65 @27892 has 1 MA's), (84, 27991), (91, 28021), (97, 28060), (99, 28069), (125, 28240), (135, 28306), (137, 28312), (145, 28369), (151, 28411), (157, 28441),

Gene: PhineBark_4 Start: 2818, Stop: 3528, Start Num: 38
Candidate Starts for PhineBark_4:
(Start: 38 @2818 has 175 MA's), (Start: 41 @2827 has 11 MA's), (72, 2950), (77, 2980), (97, 3082), (99, 3091), (103, 3112), (112, 3184), (136, 3331), (142, 3364), (150, 3424), (165, 3511),

Gene: Phlegm_119 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for Phlegm_119:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Phlippers_5 Start: 3297, Stop: 3998, Start Num: 38
Candidate Starts for Phlippers_5:
(Start: 38 @3297 has 175 MA's), (Start: 41 @3306 has 11 MA's), (72, 3429), (74, 3438), (77, 3459), (85, 3501), (92, 3531), (97, 3561), (112, 3657), (117, 3690), (129, 3777), (165, 3981),

Gene: Phox_114 Start: 61137, Stop: 61745, Start Num: 71
Candidate Starts for Phox_114:
(37, 61002), (Start: 71 @61137 has 188 MA's), (86, 61224), (101, 61296), (111, 61362), (119, 61425), (120, 61437), (125, 61458), (143, 61560), (166, 61701),

Gene: PhrostyMug_5 Start: 3184, Stop: 3885, Start Num: 38
Candidate Starts for PhrostyMug_5:
(Start: 38 @3184 has 175 MA's), (Start: 41 @3193 has 11 MA's), (72, 3316), (74, 3325), (77, 3346), (85, 3388), (92, 3418), (97, 3448), (112, 3544), (117, 3577), (129, 3664), (142, 3724), (147, 3766), (165, 3868),

Gene: Phrux_28 Start: 27259, Stop: 28221, Start Num: 11
Candidate Starts for Phrux_28:
(Start: 11 @27259 has 139 MA's), (21, 27322), (23, 27337), (27, 27376), (33, 27442), (63, 27604), (Start: 65 @27607 has 1 MA's), (84, 27706), (91, 27736), (97, 27775), (99, 27784), (125, 27955), (135, 28021), (137, 28027), (145, 28084), (151, 28126), (157, 28156),

Gene: Phusco_117 Start: 60154, Stop: 60762, Start Num: 71
Candidate Starts for Phusco_117:
(37, 60019), (Start: 71 @60154 has 188 MA's), (86, 60241), (101, 60313), (111, 60379), (119, 60442), (120, 60454), (125, 60475), (143, 60577), (166, 60718),

Gene: Pier_121 Start: 63143, Stop: 63751, Start Num: 71
Candidate Starts for Pier_121:
(37, 63008), (Start: 71 @63143 has 188 MA's), (86, 63230), (101, 63302), (111, 63368), (119, 63431), (120, 63443), (125, 63464), (143, 63566), (166, 63707),

Gene: Pinkcreek_108 Start: 58488, Stop: 59096, Start Num: 71
Candidate Starts for Pinkcreek_108:
(37, 58353), (Start: 71 @58488 has 188 MA's), (86, 58575), (101, 58647), (111, 58713), (119, 58776), (120, 58788), (125, 58809), (143, 58911), (146, 58935), (166, 59052),

Gene: Pinto_8 Start: 3470, Stop: 4171, Start Num: 38
Candidate Starts for Pinto_8:
(Start: 38 @3470 has 175 MA's), (Start: 41 @3479 has 11 MA's), (72, 3602), (74, 3611), (77, 3632), (85, 3674), (92, 3704), (97, 3734), (112, 3830), (117, 3863), (129, 3950), (165, 4154),

Gene: Pio_121 Start: 62747, Stop: 63355, Start Num: 71
Candidate Starts for Pio_121:
(37, 62612), (Start: 71 @62747 has 188 MA's), (86, 62834), (101, 62906), (111, 62972), (119, 63035), (120, 63047), (125, 63068), (143, 63170), (166, 63311),

Gene: Pippin_7 Start: 3169, Stop: 3870, Start Num: 38
Candidate Starts for Pippin_7:
(Start: 38 @3169 has 175 MA's), (Start: 41 @3178 has 11 MA's), (72, 3301), (74, 3310), (77, 3331), (85, 3373), (92, 3403), (97, 3433), (112, 3529), (117, 3562), (129, 3649), (142, 3709),

Gene: Pita2_8 Start: 3828, Stop: 4529, Start Num: 38
Candidate Starts for Pita2_8:
(Start: 38 @3828 has 175 MA's), (Start: 41 @3837 has 11 MA's), (72, 3960), (74, 3969), (77, 3990), (85, 4032), (92, 4062), (97, 4092), (112, 4188), (117, 4221), (129, 4308), (142, 4368), (147, 4410), (165, 4512),

Gene: Pivoine_116 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for Pivoine_116:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Pleione_120 Start: 61024, Stop: 61632, Start Num: 71
Candidate Starts for Pleione_120:
(37, 60889), (Start: 71 @61024 has 188 MA's), (86, 61111), (101, 61183), (111, 61249), (119, 61312), (120, 61324), (125, 61345), (143, 61447), (166, 61588),

Gene: Policronamos_28 Start: 27552, Stop: 28496, Start Num: 11
Candidate Starts for Policronamos_28:
(Start: 11 @27552 has 139 MA's), (14, 27570), (21, 27615), (40, 27795), (49, 27828), (57, 27867), (63, 27897), (Start: 65 @27900 has 1 MA's), (67, 27909), (84, 28002), (85, 28008), (97, 28071), (108, 28128), (112, 28170), (116, 28197), (135, 28311), (150, 28413),

Gene: Pollywog_23 Start: 23922, Stop: 24869, Start Num: 12

Candidate Starts for Pollywog_23:
(10, 23892), (Start: 11 @23919 has 139 MA's), (Start: 12 @23922 has 29 MA's), (18, 23970), (20, 23976), (27, 24036), (31, 24066), (49, 24195), (50, 24198), (84, 24363), (85, 24369), (86, 24372), (97, 24432), (121, 24600), (129, 24651), (137, 24681),

Gene: Porcelain_37 Start: 32901, Stop: 33851, Start Num: 11
Candidate Starts for Porcelain_37:
(Start: 11 @32901 has 139 MA's), (Start: 12 @32904 has 29 MA's), (14, 32919), (18, 32952), (20, 32958), (31, 33048), (34, 33108), (36, 33111), (49, 33177), (50, 33180), (84, 33345), (97, 33414), (121, 33582), (129, 33633), (137, 33663), (141, 33693),

Gene: Porky_28 Start: 27355, Stop: 28317, Start Num: 11
Candidate Starts for Porky_28:
(Start: 11 @27355 has 139 MA's), (21, 27418), (23, 27433), (27, 27472), (33, 27538), (63, 27700), (Start: 65 @27703 has 1 MA's), (84, 27802), (91, 27832), (97, 27871), (99, 27880), (125, 28051), (135, 28117), (137, 28123), (145, 28180), (151, 28222), (157, 28252),

Gene: PowerRanger_5 Start: 3083, Stop: 3793, Start Num: 38
Candidate Starts for PowerRanger_5:
(Start: 38 @3083 has 175 MA's), (Start: 41 @3092 has 11 MA's), (72, 3215), (77, 3245), (97, 3347), (99, 3356), (103, 3377), (112, 3449), (136, 3596), (142, 3629), (150, 3689), (165, 3776),

Gene: Primadonna_110 Start: 59519, Stop: 60127, Start Num: 71
Candidate Starts for Primadonna_110:
(37, 59384), (Start: 71 @59519 has 188 MA's), (86, 59606), (101, 59678), (111, 59744), (119, 59807), (120, 59819), (125, 59840), (143, 59942), (166, 60083),

Gene: ProMouse_7 Start: 3154, Stop: 3858, Start Num: 38
Candidate Starts for ProMouse_7:
(Start: 38 @3154 has 175 MA's), (Start: 41 @3163 has 11 MA's), (72, 3286), (85, 3358), (95, 3403), (97, 3418), (99, 3427), (112, 3517), (142, 3697), (162, 3808), (165, 3841),

Gene: Puhon_120 Start: 61382, Stop: 61990, Start Num: 71
Candidate Starts for Puhon_120:
(37, 61247), (Start: 71 @61382 has 188 MA's), (86, 61469), (101, 61541), (111, 61607), (119, 61670), (120, 61682), (125, 61703), (143, 61805), (166, 61946),

Gene: Pumpkin_30 Start: 27598, Stop: 28557, Start Num: 11
Candidate Starts for Pumpkin_30:
(Start: 11 @27598 has 139 MA's), (21, 27661), (23, 27676), (27, 27715), (33, 27781), (68, 27961), (84, 28045), (86, 28054), (87, 28057), (93, 28084), (97, 28114), (125, 28294), (137, 28366), (145, 28423), (151, 28465), (155, 28480),

Gene: Pupusa_122 Start: 62236, Stop: 62844, Start Num: 71
Candidate Starts for Pupusa_122:
(37, 62101), (Start: 71 @62236 has 188 MA's), (86, 62323), (101, 62395), (111, 62461), (119, 62524), (120, 62536), (125, 62557), (143, 62659), (166, 62800),

Gene: PurduePete_117 Start: 61281, Stop: 61889, Start Num: 71
Candidate Starts for PurduePete_117:
(37, 61146), (Start: 71 @61281 has 188 MA's), (86, 61368), (101, 61440), (111, 61506), (119, 61569), (120, 61581), (125, 61602), (143, 61704), (166, 61845),

Gene: Pygmy_26 Start: 24022, Stop: 24717, Start Num: 39
Candidate Starts for Pygmy_26:
(Start: 39 @24022 has 5 MA's), (53, 24076), (59, 24109), (64, 24121), (77, 24184), (78, 24190), (81, 24211), (82, 24214), (83, 24217), (87, 24229), (99, 24277), (102, 24292), (104, 24301), (125, 24448), (127, 24475), (131, 24496), (138, 24526), (144, 24571), (149, 24613), (158, 24646),

Gene: QBert_111 Start: 59861, Stop: 60469, Start Num: 71
Candidate Starts for QBert_111:
(37, 59726), (Start: 71 @59861 has 188 MA's), (86, 59948), (101, 60020), (111, 60086), (119, 60149), (120, 60161), (125, 60182), (143, 60284), (166, 60425),

Gene: QTRlifeCrisis_5 Start: 3245, Stop: 3955, Start Num: 38
Candidate Starts for QTRlifeCrisis_5:
(Start: 38 @3245 has 175 MA's), (Start: 41 @3254 has 11 MA's), (72, 3377), (77, 3407), (97, 3509), (99, 3518), (103, 3539), (112, 3611), (136, 3758), (142, 3791), (150, 3851), (165, 3938),

Gene: Quallification_29 Start: 27724, Stop: 28686, Start Num: 11
Candidate Starts for Quallification_29:
(Start: 11 @27724 has 139 MA's), (21, 27787), (23, 27802), (27, 27841), (33, 27907), (63, 28069), (Start: 65 @28072 has 1 MA's), (84, 28171), (91, 28201), (97, 28240), (99, 28249), (125, 28420), (135, 28486), (137, 28492), (145, 28549), (151, 28591), (157, 28621),

Gene: Quasimodo_118 Start: 60816, Stop: 61424, Start Num: 71
Candidate Starts for Quasimodo_118:
(37, 60681), (Start: 71 @60816 has 188 MA's), (86, 60903), (101, 60975), (111, 61041), (119, 61104), (120, 61116), (125, 61137), (143, 61239), (166, 61380),

Gene: Rabinovish_114 Start: 61054, Stop: 61662, Start Num: 71
Candidate Starts for Rabinovish_114:
(37, 60919), (Start: 71 @61054 has 188 MA's), (86, 61141), (101, 61213), (111, 61279), (119, 61342), (120, 61354), (125, 61375), (143, 61477), (166, 61618),

Gene: Rahel_116 Start: 59746, Stop: 60354, Start Num: 71
Candidate Starts for Rahel_116:
(37, 59611), (Start: 71 @59746 has 188 MA's), (86, 59833), (101, 59905), (111, 59971), (119, 60034), (120, 60046), (125, 60067), (143, 60169), (166, 60310),

Gene: Raid_6 Start: 3099, Stop: 3800, Start Num: 38
Candidate Starts for Raid_6:
(Start: 38 @3099 has 175 MA's), (Start: 41 @3108 has 11 MA's), (72, 3231), (74, 3240), (77, 3261), (85, 3303), (92, 3333), (97, 3363), (112, 3459), (117, 3492), (129, 3579), (142, 3639), (147, 3681), (165, 3783),

Gene: Rajelicia_5 Start: 2958, Stop: 3668, Start Num: 38
Candidate Starts for Rajelicia_5:
(Start: 38 @2958 has 175 MA's), (Start: 41 @2967 has 11 MA's), (72, 3090), (77, 3120), (97, 3222), (99, 3231), (103, 3252), (112, 3324), (136, 3471), (142, 3504), (150, 3564), (165, 3651),

Gene: Rakim_29 Start: 27631, Stop: 28575, Start Num: 11
Candidate Starts for Rakim_29:
(Start: 11 @27631 has 139 MA's), (14, 27649), (17, 27679), (21, 27694), (40, 27874), (49, 27907), (57, 27946), (63, 27976), (Start: 65 @27979 has 1 MA's), (67, 27988), (75, 28024), (84, 28081), (85, 28087), (97, 28150), (108, 28207), (112, 28249), (126, 28351), (135, 28390), (158, 28525),

Gene: Renaud18_22 Start: 23129, Stop: 24079, Start Num: 11
Candidate Starts for Renaud18_22:
(10, 23102), (Start: 11 @23129 has 139 MA's), (Start: 12 @23132 has 29 MA's), (14, 23147), (18, 23180), (31, 23276), (51, 23417), (58, 23444), (97, 23639), (133, 23879), (134, 23882), (136, 23888), (137, 23891), (141, 23921),

Gene: Rhynn_6 Start: 3404, Stop: 4105, Start Num: 38
Candidate Starts for Rhynn_6:
(Start: 38 @3404 has 175 MA's), (Start: 41 @3413 has 11 MA's), (72, 3536), (74, 3545), (77, 3566), (85, 3608), (92, 3638), (97, 3668), (112, 3764), (117, 3797), (129, 3884), (142, 3944), (147, 3986), (165, 4088),

Gene: RidgeCB_6 Start: 2935, Stop: 3627, Start Num: 41
Candidate Starts for RidgeCB_6:
(Start: 38 @2926 has 175 MA's), (Start: 41 @2935 has 11 MA's), (72, 3058), (74, 3067), (77, 3088), (85, 3130), (92, 3160), (97, 3190), (112, 3286), (117, 3319), (129, 3406), (142, 3466), (147, 3508), (165, 3610),

Gene: Rimmer_27 Start: 27084, Stop: 28046, Start Num: 11
Candidate Starts for Rimmer_27:
(Start: 11 @27084 has 139 MA's), (21, 27147), (23, 27162), (27, 27201), (33, 27267), (63, 27429), (Start: 65 @27432 has 1 MA's), (84, 27531), (91, 27561), (97, 27600), (99, 27609), (125, 27780), (135, 27846), (137, 27852), (145, 27909), (151, 27951), (157, 27981),

Gene: Ringer_5 Start: 3413, Stop: 4114, Start Num: 38
Candidate Starts for Ringer_5:
(Start: 38 @3413 has 175 MA's), (Start: 41 @3422 has 11 MA's), (72, 3545), (74, 3554), (77, 3575), (85, 3617), (92, 3647), (97, 3677), (112, 3773), (117, 3806), (129, 3893), (142, 3953), (165, 4097),

Gene: RiverMonster_28 Start: 27273, Stop: 28235, Start Num: 11
Candidate Starts for RiverMonster_28:
(Start: 11 @27273 has 139 MA's), (21, 27336), (23, 27351), (27, 27390), (33, 27456), (63, 27618), (Start: 65 @27621 has 1 MA's), (84, 27720), (91, 27750), (97, 27789), (99, 27798), (125, 27969), (135, 28035), (137, 28041), (145, 28098), (151, 28140), (157, 28170),

Gene: Rizal_112 Start: 58894, Stop: 59502, Start Num: 71
Candidate Starts for Rizal_112:
(37, 58759), (Start: 71 @58894 has 188 MA's), (86, 58981), (101, 59053), (111, 59119), (119, 59182), (120, 59194), (125, 59215), (143, 59317), (166, 59458),

Gene: RoMag_112 Start: 60067, Stop: 60675, Start Num: 71
Candidate Starts for RoMag_112:
(37, 59932), (Start: 71 @60067 has 188 MA's), (86, 60154), (101, 60226), (111, 60292), (119, 60355), (120, 60367), (125, 60388), (143, 60490), (166, 60631),

Gene: Rocha_115 Start: 60320, Stop: 60928, Start Num: 71
Candidate Starts for Rocha_115:
(37, 60185), (Start: 71 @60320 has 188 MA's), (86, 60407), (101, 60479), (111, 60545), (119, 60608), (120, 60620), (125, 60641), (143, 60743), (166, 60884),

Gene: Ronan_111 Start: 58017, Stop: 58625, Start Num: 71
Candidate Starts for Ronan_111:

(37, 57882), (Start: 71 @58017 has 188 MA's), (86, 58104), (101, 58176), (111, 58242), (119, 58305), (120, 58317), (125, 58338), (143, 58440), (166, 58581),

Gene: Roots515_115 Start: 61054, Stop: 61662, Start Num: 71
Candidate Starts for Roots515_115:
(37, 60919), (Start: 71 @61054 has 188 MA's), (86, 61141), (101, 61213), (111, 61279), (119, 61342), (120, 61354), (125, 61375), (143, 61477), (166, 61618),

Gene: Rubeus_6 Start: 2927, Stop: 3628, Start Num: 38
Candidate Starts for Rubeus_6:
(Start: 38 @2927 has 175 MA's), (Start: 41 @2936 has 11 MA's), (72, 3059), (74, 3068), (77, 3089), (85, 3131), (92, 3161), (97, 3191), (112, 3287), (117, 3320), (129, 3407), (147, 3509), (165, 3611),

Gene: Rufus_6 Start: 2984, Stop: 3685, Start Num: 38
Candidate Starts for Rufus_6:
(Start: 38 @2984 has 175 MA's), (Start: 41 @2993 has 11 MA's), (72, 3116), (74, 3125), (77, 3146), (85, 3188), (92, 3218), (97, 3248), (112, 3344), (117, 3377), (129, 3464), (147, 3566), (165, 3668),

Gene: Ruotula_5 Start: 3545, Stop: 4246, Start Num: 38
Candidate Starts for Ruotula_5:
(Start: 38 @3545 has 175 MA's), (Start: 41 @3554 has 11 MA's), (72, 3677), (74, 3686), (77, 3707), (85, 3749), (92, 3779), (97, 3809), (112, 3905), (117, 3938), (129, 4025), (142, 4085), (165, 4229),

Gene: Rutherferd_7 Start: 3445, Stop: 4146, Start Num: 38
Candidate Starts for Rutherferd_7:
(Start: 38 @3445 has 175 MA's), (Start: 41 @3454 has 11 MA's), (72, 3577), (74, 3586), (77, 3607), (85, 3649), (92, 3679), (97, 3709), (112, 3805), (117, 3838), (129, 3925), (142, 3985), (147, 4027), (162, 4096), (165, 4129),

Gene: STLscum_7 Start: 3537, Stop: 4238, Start Num: 38
Candidate Starts for STLscum_7:
(Start: 38 @3537 has 175 MA's), (Start: 41 @3546 has 11 MA's), (72, 3669), (74, 3678), (77, 3699), (85, 3741), (92, 3771), (97, 3801), (112, 3897), (117, 3930), (129, 4017), (142, 4077), (165, 4221),

Gene: SVoro_114 Start: 61231, Stop: 61839, Start Num: 71
Candidate Starts for SVoro_114:
(37, 61096), (Start: 71 @61231 has 188 MA's), (86, 61318), (101, 61390), (111, 61456), (119, 61519), (120, 61531), (125, 61552), (143, 61654), (166, 61795),

Gene: Sagefire_7 Start: 3600, Stop: 4301, Start Num: 38
Candidate Starts for Sagefire_7:
(Start: 38 @3600 has 175 MA's), (Start: 41 @3609 has 11 MA's), (72, 3732), (74, 3741), (77, 3762), (85, 3804), (92, 3834), (97, 3864), (112, 3960), (117, 3993), (129, 4080), (142, 4140), (147, 4182), (165, 4284),

Gene: Saints25_29 Start: 27176, Stop: 28138, Start Num: 11
Candidate Starts for Saints25_29:
(Start: 11 @27176 has 139 MA's), (21, 27239), (23, 27254), (27, 27293), (33, 27359), (63, 27521), (Start: 65 @27524 has 1 MA's), (84, 27623), (91, 27653), (97, 27692), (99, 27701), (125, 27872), (135, 27938), (137, 27944), (145, 28001), (151, 28043), (157, 28073),

Gene: Salacia_121 Start: 61195, Stop: 61803, Start Num: 71
Candidate Starts for Salacia_121:

(4, 60676), (37, 61060), (Start: 71 @61195 has 188 MA's), (86, 61282), (101, 61354), (111, 61420), (119, 61483), (120, 61495), (125, 61516), (143, 61618), (166, 61759),

Gene: Sandaddy_5 Start: 3321, Stop: 4022, Start Num: 38
Candidate Starts for Sandaddy_5:
(Start: 38 @3321 has 175 MA's), (Start: 41 @3330 has 11 MA's), (72, 3453), (74, 3462), (76, 3474), (77, 3483), (85, 3525), (92, 3555), (97, 3585), (112, 3681), (117, 3714), (129, 3801), (142, 3861), (147, 3903), (165, 4005),

Gene: Sanya_6 Start: 3983, Stop: 4684, Start Num: 38
Candidate Starts for Sanya_6:
(Start: 38 @3983 has 175 MA's), (Start: 41 @3992 has 11 MA's), (72, 4115), (74, 4124), (77, 4145), (85, 4187), (92, 4217), (97, 4247), (112, 4343), (117, 4376), (129, 4463), (142, 4523), (147, 4565), (165, 4667),

Gene: SarFire_6 Start: 3182, Stop: 3883, Start Num: 38
Candidate Starts for SarFire_6:
(Start: 38 @3182 has 175 MA's), (Start: 41 @3191 has 11 MA's), (72, 3314), (74, 3323), (77, 3344), (85, 3386), (92, 3416), (97, 3446), (112, 3542), (117, 3575), (129, 3662), (142, 3722), (165, 3866),

Gene: Sassay_27 Start: 27022, Stop: 27984, Start Num: 11
Candidate Starts for Sassay_27:
(Start: 11 @27022 has 139 MA's), (21, 27085), (23, 27100), (27, 27139), (33, 27205), (63, 27367), (Start: 65 @27370 has 1 MA's), (84, 27469), (91, 27499), (97, 27538), (99, 27547), (125, 27718), (135, 27784), (137, 27790), (145, 27847), (151, 27889), (157, 27919),

Gene: Sauce_117 Start: 59801, Stop: 60409, Start Num: 71
Candidate Starts for Sauce_117:
(37, 59666), (Start: 71 @59801 has 188 MA's), (86, 59888), (101, 59960), (111, 60026), (119, 60089), (120, 60101), (125, 60122), (143, 60224), (166, 60365),

Gene: ScottMcG_113 Start: 59817, Stop: 60425, Start Num: 71
Candidate Starts for ScottMcG_113:
(37, 59682), (Start: 71 @59817 has 188 MA's), (86, 59904), (101, 59976), (111, 60042), (119, 60105), (120, 60117), (125, 60138), (143, 60240), (166, 60381),

Gene: Scowl_7 Start: 3865, Stop: 4575, Start Num: 38
Candidate Starts for Scowl_7:
(Start: 38 @3865 has 175 MA's), (Start: 41 @3874 has 11 MA's), (72, 3997), (77, 4027), (97, 4129), (99, 4138), (103, 4159), (112, 4231), (136, 4378), (142, 4411), (150, 4471), (165, 4558),

Gene: Seanderson_7 Start: 3844, Stop: 4554, Start Num: 38
Candidate Starts for Seanderson_7:
(Start: 38 @3844 has 175 MA's), (Start: 41 @3853 has 11 MA's), (72, 3976), (77, 4006), (97, 4108), (99, 4117), (103, 4138), (112, 4210), (136, 4357), (142, 4390), (150, 4450), (165, 4537),

Gene: Sebata_117 Start: 61280, Stop: 61888, Start Num: 71
Candidate Starts for Sebata_117:
(37, 61145), (Start: 71 @61280 has 188 MA's), (86, 61367), (101, 61439), (111, 61505), (119, 61568), (120, 61580), (125, 61601), (143, 61703), (166, 61844),

Gene: Shaboozey_32 Start: 31246, Stop: 32181, Start Num: 12
Candidate Starts for Shaboozey_32:

(10, 31216), (Start: 11 @31243 has 139 MA's), (Start: 12 @31246 has 29 MA's), (14, 31261), (17, 31291), (18, 31294), (20, 31300), (84, 31687), (85, 31693), (97, 31756), (108, 31813), (112, 31855), (116, 31882), (135, 31996), (150, 32098),

Gene: ShamWow_28 Start: 27524, Stop: 28468, Start Num: 11
Candidate Starts for ShamWow_28:
(Start: 11 @27524 has 139 MA's), (14, 27542), (21, 27587), (40, 27767), (49, 27800), (57, 27839), (63, 27869), (Start: 65 @27872 has 1 MA's), (67, 27881), (84, 27974), (85, 27980), (97, 28043), (108, 28100), (112, 28142), (116, 28169), (135, 28283), (150, 28385),

Gene: Shaqnato_110 Start: 58861, Stop: 59469, Start Num: 71
Candidate Starts for Shaqnato_110:
(37, 58726), (Start: 71 @58861 has 188 MA's), (86, 58948), (101, 59020), (111, 59086), (119, 59149), (120, 59161), (125, 59182), (143, 59284), (166, 59425),

Gene: Shauna1_20 Start: 22761, Stop: 23711, Start Num: 11
Candidate Starts for Shauna1_20:
(Start: 11 @22761 has 139 MA's), (Start: 12 @22764 has 29 MA's), (14, 22779), (17, 22809), (18, 22812), (20, 22818), (97, 23271), (163, 23670),

Gene: Shelob_119 Start: 61653, Stop: 62261, Start Num: 71
Candidate Starts for Shelob_119:
(37, 61518), (Start: 71 @61653 has 188 MA's), (86, 61740), (101, 61812), (111, 61878), (119, 61941), (120, 61953), (125, 61974), (143, 62076), (166, 62217),

Gene: ShereKhan_30 Start: 28501, Stop: 29463, Start Num: 11
Candidate Starts for ShereKhan_30:
(Start: 11 @28501 has 139 MA's), (21, 28564), (23, 28579), (27, 28618), (33, 28684), (63, 28846), (Start: 65 @28849 has 1 MA's), (84, 28948), (91, 28978), (97, 29017), (99, 29026), (125, 29197), (135, 29263), (137, 29269), (145, 29326), (151, 29368), (157, 29398),

Gene: ShiaLabeouf_116 Start: 60181, Stop: 60789, Start Num: 71
Candidate Starts for ShiaLabeouf_116:
(37, 60046), (Start: 71 @60181 has 188 MA's), (86, 60268), (101, 60340), (111, 60406), (119, 60469), (120, 60481), (125, 60502), (143, 60604), (166, 60745),

Gene: Shifa_105 Start: 58662, Stop: 59270, Start Num: 71
Candidate Starts for Shifa_105:
(37, 58527), (Start: 71 @58662 has 188 MA's), (86, 58749), (101, 58821), (111, 58887), (119, 58950), (120, 58962), (125, 58983), (143, 59085), (146, 59109), (166, 59226),

Gene: Shipwreck_26 Start: 24000, Stop: 24695, Start Num: 39
Candidate Starts for Shipwreck_26:
(Start: 39 @24000 has 5 MA's), (53, 24054), (59, 24087), (64, 24099), (77, 24162), (78, 24168), (81, 24189), (82, 24192), (83, 24195), (87, 24207), (99, 24255), (102, 24270), (104, 24279), (125, 24426), (127, 24453), (131, 24474), (138, 24504), (144, 24549), (149, 24591), (158, 24624),

Gene: Shnickers_117 Start: 60145, Stop: 60753, Start Num: 71
Candidate Starts for Shnickers_117:
(37, 60010), (Start: 71 @60145 has 188 MA's), (86, 60232), (101, 60304), (111, 60370), (119, 60433), (120, 60445), (125, 60466), (143, 60568), (166, 60709),

Gene: ShortQueendom_5 Start: 2779, Stop: 3480, Start Num: 38

Candidate Starts for ShortQueendom_5:
(Start: 38 @2779 has 175 MA's), (Start: 41 @2788 has 11 MA's), (72, 2911), (74, 2920), (77, 2941), (85, 2983), (92, 3013), (97, 3043), (112, 3139), (117, 3172), (129, 3259), (142, 3319), (147, 3361), (165, 3463),

Gene: Shrimp_117 Start: 60865, Stop: 61473, Start Num: 71
Candidate Starts for Shrimp_117:
(4, 60346), (37, 60730), (Start: 71 @60865 has 188 MA's), (86, 60952), (101, 61024), (111, 61090), (119, 61153), (120, 61165), (125, 61186), (143, 61288), (166, 61429),

Gene: ShroomBoi_20 Start: 22746, Stop: 23684, Start Num: 11
Candidate Starts for ShroomBoi_20:
(10, 22719), (Start: 11 @22746 has 139 MA's), (Start: 12 @22749 has 29 MA's), (14, 22764), (18, 22797), (20, 22803), (84, 23190), (85, 23196), (97, 23259), (108, 23316), (112, 23358), (135, 23499), (150, 23601),

Gene: Sibs6_7 Start: 3120, Stop: 3821, Start Num: 38
Candidate Starts for Sibs6_7:
(Start: 38 @3120 has 175 MA's), (Start: 41 @3129 has 11 MA's), (72, 3252), (74, 3261), (77, 3282), (85, 3324), (92, 3354), (97, 3384), (112, 3480), (117, 3513), (129, 3600), (147, 3702), (165, 3804),

Gene: SilverDipper_118 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for SilverDipper_118:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Simpliphy_29 Start: 27263, Stop: 28225, Start Num: 11
Candidate Starts for Simpliphy_29:
(Start: 11 @27263 has 139 MA's), (21, 27326), (23, 27341), (27, 27380), (33, 27446), (63, 27608), (Start: 65 @27611 has 1 MA's), (84, 27710), (91, 27740), (97, 27779), (99, 27788), (125, 27959), (135, 28025), (137, 28031), (145, 28088), (151, 28130), (157, 28160),

Gene: SirDuracell_27 Start: 26190, Stop: 27134, Start Num: 11
Candidate Starts for SirDuracell_27:
(Start: 11 @26190 has 139 MA's), (14, 26208), (21, 26253), (40, 26433), (49, 26466), (57, 26505), (63, 26535), (Start: 65 @26538 has 1 MA's), (67, 26547), (84, 26640), (85, 26646), (97, 26709), (108, 26766), (112, 26808), (116, 26835), (135, 26949), (150, 27051),

Gene: SiwenD96_118 Start: 61322, Stop: 61930, Start Num: 71
Candidate Starts for SiwenD96_118:
(37, 61187), (Start: 71 @61322 has 188 MA's), (86, 61409), (101, 61481), (111, 61547), (119, 61610), (120, 61622), (125, 61643), (143, 61745), (166, 61886),

Gene: Slagathor_6 Start: 2929, Stop: 3639, Start Num: 38
Candidate Starts for Slagathor_6:
(Start: 38 @2929 has 175 MA's), (Start: 41 @2938 has 11 MA's), (72, 3061), (77, 3091), (97, 3193), (99, 3202), (103, 3223), (112, 3295), (136, 3442), (142, 3475), (150, 3535), (165, 3622),

Gene: Smairt_7 Start: 3793, Stop: 4494, Start Num: 38
Candidate Starts for Smairt_7:
(Start: 38 @3793 has 175 MA's), (Start: 41 @3802 has 11 MA's), (72, 3925), (74, 3934), (77, 3955), (85, 3997), (92, 4027), (97, 4057), (112, 4153), (117, 4186), (129, 4273), (142, 4333), (147, 4375), (165, 4477),

Gene: SmallFry_117 Start: 59370, Stop: 59978, Start Num: 71
Candidate Starts for SmallFry_117:
(37, 59235), (Start: 71 @59370 has 188 MA's), (86, 59457), (101, 59529), (111, 59595), (119, 59658), (120, 59670), (125, 59691), (143, 59793), (166, 59934),

Gene: Snazzy_4 Start: 2824, Stop: 3525, Start Num: 38
Candidate Starts for Snazzy_4:
(Start: 38 @2824 has 175 MA's), (Start: 41 @2833 has 11 MA's), (72, 2956), (74, 2965), (77, 2986), (85, 3028), (92, 3058), (97, 3088), (112, 3184), (117, 3217), (129, 3304), (142, 3364), (165, 3508),

Gene: SoilZilla_112 Start: 60154, Stop: 60762, Start Num: 71
Candidate Starts for SoilZilla_112:
(37, 60019), (Start: 71 @60154 has 188 MA's), (86, 60241), (101, 60313), (111, 60379), (119, 60442), (120, 60454), (125, 60475), (143, 60577), (166, 60718),

Gene: Solon_5 Start: 2826, Stop: 3518, Start Num: 41
Candidate Starts for Solon_5:
(Start: 38 @2817 has 175 MA's), (Start: 41 @2826 has 11 MA's), (72, 2949), (74, 2958), (77, 2979), (85, 3021), (97, 3081), (112, 3177), (117, 3210), (129, 3297), (142, 3357), (147, 3399),

Gene: SophKB_28 Start: 27517, Stop: 28479, Start Num: 11
Candidate Starts for SophKB_28:
(Start: 11 @27517 has 139 MA's), (21, 27580), (23, 27595), (27, 27634), (33, 27700), (63, 27862), (Start: 65 @27865 has 1 MA's), (84, 27964), (91, 27994), (97, 28033), (99, 28042), (125, 28213), (135, 28279), (137, 28285), (145, 28342), (151, 28384), (157, 28414),

Gene: Sorpresa_6 Start: 3321, Stop: 4022, Start Num: 38
Candidate Starts for Sorpresa_6:
(Start: 38 @3321 has 175 MA's), (Start: 41 @3330 has 11 MA's), (72, 3453), (74, 3462), (76, 3474), (77, 3483), (85, 3525), (92, 3555), (97, 3585), (112, 3681), (117, 3714), (129, 3801), (142, 3861), (147, 3903), (165, 4005),

Gene: Sotrice96_28 Start: 27479, Stop: 28423, Start Num: 11
Candidate Starts for Sotrice96_28:
(Start: 11 @27479 has 139 MA's), (14, 27497), (21, 27542), (40, 27722), (49, 27755), (57, 27794), (63, 27824), (Start: 65 @27827 has 1 MA's), (67, 27836), (84, 27929), (85, 27935), (97, 27998), (108, 28055), (112, 28097), (116, 28124), (135, 28238), (150, 28340),

Gene: Soul22_26 Start: 22459, Stop: 23406, Start Num: 12
Candidate Starts for Soul22_26:
(10, 22429), (Start: 11 @22456 has 139 MA's), (Start: 12 @22459 has 29 MA's), (14, 22474), (18, 22507), (58, 22771), (75, 22843), (84, 22897), (86, 22906), (97, 22966), (99, 22975), (126, 23170), (133, 23206), (134, 23209), (136, 23215), (137, 23218), (153, 23320),

Gene: Spec_114 Start: 59910, Stop: 60518, Start Num: 71
Candidate Starts for Spec_114:
(37, 59775), (Start: 71 @59910 has 188 MA's), (86, 59997), (101, 60069), (111, 60135), (119, 60198), (120, 60210), (125, 60231), (143, 60333), (166, 60474),

Gene: Specks_122 Start: 62045, Stop: 62653, Start Num: 71
Candidate Starts for Specks_122:

(37, 61910), (Start: 71 @62045 has 188 MA's), (86, 62132), (101, 62204), (111, 62270), (119, 62333), (120, 62345), (125, 62366), (143, 62468), (166, 62609),

Gene: SpikeBT_6 Start: 3193, Stop: 3894, Start Num: 38
Candidate Starts for SpikeBT_6:
(Start: 38 @3193 has 175 MA's), (Start: 41 @3202 has 11 MA's), (72, 3325), (77, 3355), (85, 3397), (92, 3427), (97, 3457), (112, 3553), (117, 3586), (129, 3673), (142, 3733), (147, 3775), (165, 3877),

Gene: Sprinklers_113 Start: 59426, Stop: 60034, Start Num: 71
Candidate Starts for Sprinklers_113:
(37, 59291), (Start: 71 @59426 has 188 MA's), (86, 59513), (101, 59585), (111, 59651), (119, 59714), (120, 59726), (125, 59747), (143, 59849), (166, 59990),

Gene: Spud_116 Start: 60941, Stop: 61549, Start Num: 71
Candidate Starts for Spud_116:
(37, 60806), (Start: 71 @60941 has 188 MA's), (86, 61028), (101, 61100), (111, 61166), (119, 61229), (120, 61241), (125, 61262), (143, 61364), (166, 61505),

Gene: Squee_5 Start: 2943, Stop: 3623, Start Num: 38
Candidate Starts for Squee_5:
(Start: 38 @2943 has 175 MA's), (Start: 41 @2952 has 11 MA's), (79, 3108), (80, 3114), (84, 3132), (87, 3144), (89, 3150), (97, 3198), (108, 3255), (111, 3273), (112, 3294), (136, 3441), (138, 3450), (153, 3537),

Gene: Squint_37 Start: 33021, Stop: 33968, Start Num: 12
Candidate Starts for Squint_37:
(Start: 11 @33018 has 139 MA's), (Start: 12 @33021 has 29 MA's), (14, 33036), (18, 33069), (20, 33075), (31, 33165), (34, 33225), (36, 33228), (49, 33294), (50, 33297), (84, 33462), (97, 33531), (121, 33699), (129, 33750), (137, 33780), (141, 33810),

Gene: SrishMeg2525_116 Start: 60963, Stop: 61571, Start Num: 71
Candidate Starts for SrishMeg2525_116:
(37, 60828), (Start: 71 @60963 has 188 MA's), (86, 61050), (101, 61122), (111, 61188), (119, 61251), (120, 61263), (125, 61284), (143, 61386), (166, 61527),

Gene: Stank_31 Start: 28024, Stop: 28986, Start Num: 11
Candidate Starts for Stank_31:
(Start: 11 @28024 has 139 MA's), (21, 28087), (23, 28102), (27, 28141), (33, 28207), (63, 28369), (Start: 65 @28372 has 1 MA's), (84, 28471), (91, 28501), (97, 28540), (99, 28549), (125, 28720), (135, 28786), (137, 28792), (145, 28849), (151, 28891), (157, 28921),

Gene: Stark_29 Start: 27276, Stop: 28238, Start Num: 11
Candidate Starts for Stark_29:
(Start: 11 @27276 has 139 MA's), (21, 27339), (23, 27354), (27, 27393), (33, 27459), (63, 27621), (Start: 65 @27624 has 1 MA's), (84, 27723), (91, 27753), (97, 27792), (99, 27801), (125, 27972), (135, 28038), (137, 28044), (145, 28101), (151, 28143), (157, 28173),

Gene: StellaBean_28 Start: 27517, Stop: 28479, Start Num: 11
Candidate Starts for StellaBean_28:
(Start: 11 @27517 has 139 MA's), (21, 27580), (23, 27595), (27, 27634), (33, 27700), (63, 27862), (Start: 65 @27865 has 1 MA's), (84, 27964), (91, 27994), (97, 28033), (99, 28042), (125, 28213), (135, 28279), (137, 28285), (145, 28342), (151, 28384), (157, 28414),

Gene: StephanieG_115 Start: 61772, Stop: 62380, Start Num: 71
Candidate Starts for StephanieG_115:
(37, 61637), (Start: 71 @61772 has 188 MA's), (86, 61859), (101, 61931), (111, 61997), (119, 62060), (120, 62072), (125, 62093), (143, 62195), (166, 62336),

Gene: StewieG_5 Start: 3192, Stop: 3893, Start Num: 38
Candidate Starts for StewieG_5:
(Start: 38 @3192 has 175 MA's), (Start: 41 @3201 has 11 MA's), (72, 3324), (74, 3333), (77, 3354), (85, 3396), (92, 3426), (97, 3456), (112, 3552), (117, 3585), (129, 3672), (142, 3732), (147, 3774), (165, 3876),

Gene: StolenFromERC_30 Start: 27508, Stop: 28470, Start Num: 11
Candidate Starts for StolenFromERC_30:
(Start: 11 @27508 has 139 MA's), (21, 27571), (23, 27586), (27, 27625), (33, 27691), (63, 27853), (Start: 65 @27856 has 1 MA's), (84, 27955), (91, 27985), (97, 28024), (99, 28033), (125, 28204), (135, 28270), (137, 28276), (145, 28333), (151, 28375), (157, 28405),

Gene: StormChicken_28 Start: 27692, Stop: 28654, Start Num: 11
Candidate Starts for StormChicken_28:
(Start: 11 @27692 has 139 MA's), (21, 27755), (23, 27770), (27, 27809), (33, 27875), (63, 28037), (Start: 65 @28040 has 1 MA's), (84, 28139), (91, 28169), (97, 28208), (99, 28217), (125, 28388), (135, 28454), (137, 28460), (145, 28517), (151, 28559), (157, 28589),

Gene: StrongArm_5 Start: 3035, Stop: 3730, Start Num: 38
Candidate Starts for StrongArm_5:
(Start: 38 @3035 has 175 MA's), (69, 3152), (92, 3269), (94, 3278), (97, 3299), (108, 3353), (110, 3362), (129, 3512), (137, 3542), (138, 3548), (148, 3617), (150, 3629),

Gene: Stubby_109 Start: 58978, Stop: 59586, Start Num: 71
Candidate Starts for Stubby_109:
(37, 58843), (Start: 71 @58978 has 188 MA's), (86, 59065), (101, 59137), (111, 59203), (119, 59266), (120, 59278), (125, 59299), (143, 59401), (146, 59425), (166, 59542),

Gene: StubbySaigey_120 Start: 59559, Stop: 60167, Start Num: 71
Candidate Starts for StubbySaigey_120:
(37, 59424), (Start: 71 @59559 has 188 MA's), (86, 59646), (101, 59718), (111, 59784), (119, 59847), (120, 59859), (125, 59880), (143, 59982), (166, 60123),

Gene: Substance289_114 Start: 59663, Stop: 60271, Start Num: 71
Candidate Starts for Substance289_114:
(37, 59528), (Start: 71 @59663 has 188 MA's), (86, 59750), (101, 59822), (111, 59888), (119, 59951), (120, 59963), (125, 59984), (143, 60086), (166, 60227),

Gene: Sumter_5 Start: 2916, Stop: 3617, Start Num: 38
Candidate Starts for Sumter_5:
(Start: 38 @2916 has 175 MA's), (Start: 41 @2925 has 11 MA's), (72, 3048), (74, 3057), (77, 3078), (85, 3120), (92, 3150), (97, 3180), (112, 3276), (117, 3309), (129, 3396), (142, 3456), (147, 3498), (165, 3600),

Gene: Sunshine924_5 Start: 2897, Stop: 3598, Start Num: 38
Candidate Starts for Sunshine924_5:
(Start: 38 @2897 has 175 MA's), (Start: 41 @2906 has 11 MA's), (72, 3029), (74, 3038), (77, 3059), (85, 3101), (92, 3131), (97, 3161), (112, 3257), (117, 3290), (129, 3377), (142, 3437), (147, 3479),

(165, 3581),

Gene: Superphikiman_38 Start: 33086, Stop: 34033, Start Num: 12
Candidate Starts for Superphikiman_38:
(Start: 11 @33083 has 139 MA's), (Start: 12 @33086 has 29 MA's), (14, 33101), (18, 33134), (20, 33140), (31, 33230), (34, 33290), (36, 33293), (49, 33359), (50, 33362), (84, 33527), (97, 33596), (121, 33764), (129, 33815), (137, 33845), (141, 33875),

Gene: SwissCheese_6 Start: 3359, Stop: 4060, Start Num: 38
Candidate Starts for SwissCheese_6:
(Start: 38 @3359 has 175 MA's), (Start: 41 @3368 has 11 MA's), (72, 3491), (74, 3500), (77, 3521), (85, 3563), (92, 3593), (97, 3623), (112, 3719), (117, 3752), (129, 3839), (142, 3899), (147, 3941), (165, 4043),

Gene: Swole_8 Start: 3828, Stop: 4529, Start Num: 38
Candidate Starts for Swole_8:
(Start: 38 @3828 has 175 MA's), (Start: 41 @3837 has 11 MA's), (72, 3960), (74, 3969), (77, 3990), (85, 4032), (92, 4062), (97, 4092), (112, 4188), (117, 4221), (129, 4308), (142, 4368), (147, 4410), (165, 4512),

Gene: TBrady12_30 Start: 27508, Stop: 28470, Start Num: 11
Candidate Starts for TBrady12_30:
(Start: 11 @27508 has 139 MA's), (21, 27571), (23, 27586), (27, 27625), (33, 27691), (63, 27853), (Start: 65 @27856 has 1 MA's), (84, 27955), (91, 27985), (97, 28024), (99, 28033), (125, 28204), (135, 28270), (137, 28276), (145, 28333), (151, 28375), (157, 28405),

Gene: TChen_20 Start: 23237, Stop: 24184, Start Num: 12
Candidate Starts for TChen_20:
(10, 23207), (Start: 11 @23234 has 139 MA's), (Start: 12 @23237 has 29 MA's), (14, 23252), (18, 23285), (31, 23381), (51, 23522), (58, 23549), (97, 23744), (133, 23984), (134, 23987), (136, 23993), (137, 23996), (141, 24026),

Gene: Tainan_120 Start: 61367, Stop: 61975, Start Num: 71
Candidate Starts for Tainan_120:
(37, 61232), (Start: 71 @61367 has 188 MA's), (86, 61454), (101, 61526), (111, 61592), (119, 61655), (120, 61667), (125, 61688), (143, 61790), (166, 61931),

Gene: Target_7 Start: 3616, Stop: 4317, Start Num: 38
Candidate Starts for Target_7:
(Start: 38 @3616 has 175 MA's), (Start: 41 @3625 has 11 MA's), (72, 3748), (74, 3757), (85, 3820), (92, 3850), (97, 3880), (112, 3976), (114, 3982), (117, 4009), (129, 4096), (142, 4156), (165, 4300),

Gene: Tarkin_30 Start: 28507, Stop: 29469, Start Num: 11
Candidate Starts for Tarkin_30:
(Start: 11 @28507 has 139 MA's), (21, 28570), (23, 28585), (27, 28624), (33, 28690), (63, 28852), (Start: 65 @28855 has 1 MA's), (84, 28954), (91, 28984), (97, 29023), (99, 29032), (125, 29203), (135, 29269), (137, 29275), (145, 29332), (151, 29374), (157, 29404),

Gene: Tasp14_7 Start: 3616, Stop: 4305, Start Num: 38
Candidate Starts for Tasp14_7:
(Start: 38 @3616 has 175 MA's), (Start: 41 @3625 has 11 MA's), (69, 3727), (97, 3874), (108, 3928), (109, 3931), (114, 3973), (120, 4027), (126, 4072), (129, 4087), (135, 4111), (137, 4117), (148, 4192),

Gene: TeamEdward_28 Start: 27689, Stop: 28651, Start Num: 11
Candidate Starts for TeamEdward_28:
(Start: 11 @27689 has 139 MA's), (21, 27752), (23, 27767), (27, 27806), (33, 27872), (63, 28034), (Start: 65 @28037 has 1 MA's), (84, 28136), (91, 28166), (97, 28205), (99, 28214), (125, 28385), (135, 28451), (137, 28457), (145, 28514), (151, 28556), (157, 28586),

Gene: Teardrop_116 Start: 59369, Stop: 59977, Start Num: 71
Candidate Starts for Teardrop_116:
(37, 59234), (Start: 71 @59369 has 188 MA's), (86, 59456), (101, 59528), (111, 59594), (119, 59657), (120, 59669), (125, 59690), (143, 59792), (166, 59933),

Gene: TeardropMSU_27 Start: 27425, Stop: 28369, Start Num: 11
Candidate Starts for TeardropMSU_27:
(Start: 11 @27425 has 139 MA's), (14, 27443), (17, 27473), (21, 27488), (40, 27668), (49, 27701), (57, 27740), (63, 27770), (Start: 65 @27773 has 1 MA's), (67, 27782), (75, 27818), (84, 27875), (85, 27881), (97, 27944), (108, 28001), (112, 28043), (126, 28145), (135, 28184), (158, 28319),

Gene: Teaspoon_29 Start: 27471, Stop: 28433, Start Num: 11
Candidate Starts for Teaspoon_29:
(Start: 11 @27471 has 139 MA's), (21, 27534), (23, 27549), (27, 27588), (33, 27654), (63, 27816), (Start: 65 @27819 has 1 MA's), (84, 27918), (91, 27948), (97, 27987), (99, 27996), (125, 28167), (135, 28233), (137, 28239), (145, 28296), (151, 28338), (157, 28368),

Gene: Teodoridan_4 Start: 2771, Stop: 3466, Start Num: 41
Candidate Starts for Teodoridan_4:
(Start: 38 @2762 has 175 MA's), (Start: 41 @2771 has 11 MA's), (73, 2900), (85, 2966), (97, 3026), (108, 3083), (124, 3203), (164, 3437),

Gene: Terminus_28 Start: 27605, Stop: 28567, Start Num: 11
Candidate Starts for Terminus_28:
(Start: 11 @27605 has 139 MA's), (21, 27668), (23, 27683), (27, 27722), (33, 27788), (63, 27950), (Start: 65 @27953 has 1 MA's), (84, 28052), (91, 28082), (97, 28121), (99, 28130), (125, 28301), (135, 28367), (137, 28373), (145, 28430), (151, 28472), (157, 28502),

Gene: TheloniousMonk_6 Start: 3244, Stop: 3945, Start Num: 38
Candidate Starts for TheloniousMonk_6:
(Start: 38 @3244 has 175 MA's), (Start: 41 @3253 has 11 MA's), (72, 3376), (74, 3385), (77, 3406), (85, 3448), (97, 3508), (112, 3604), (117, 3637), (129, 3724), (142, 3784), (147, 3826), (165, 3928),

Gene: ThetaBob_22 Start: 23050, Stop: 23997, Start Num: 12
Candidate Starts for ThetaBob_22:
(10, 23020), (Start: 11 @23047 has 139 MA's), (Start: 12 @23050 has 29 MA's), (14, 23065), (18, 23098), (31, 23194), (51, 23335), (58, 23362), (97, 23557), (133, 23797), (134, 23800), (136, 23806), (137, 23809), (141, 23839),

Gene: Thimble_28 Start: 26468, Stop: 27430, Start Num: 11
Candidate Starts for Thimble_28:
(Start: 11 @26468 has 139 MA's), (21, 26531), (23, 26546), (27, 26585), (33, 26651), (63, 26813), (Start: 65 @26816 has 1 MA's), (84, 26915), (91, 26945), (97, 26984), (99, 26993), (125, 27164), (135, 27230), (137, 27236), (145, 27293), (151, 27335), (157, 27365),

Gene: Thor_6 Start: 3191, Stop: 3883, Start Num: 41
Candidate Starts for Thor_6:

(Start: 38 @3182 has 175 MA's), (Start: 41 @3191 has 11 MA's), (72, 3314), (74, 3323), (77, 3344), (85, 3386), (92, 3416), (97, 3446), (112, 3542), (117, 3575), (129, 3662), (142, 3722), (165, 3866),

Gene: Thresher_29 Start: 28272, Stop: 29234, Start Num: 11
Candidate Starts for Thresher_29:
(Start: 11 @28272 has 139 MA's), (21, 28335), (23, 28350), (27, 28389), (33, 28455), (63, 28617), (Start: 65 @28620 has 1 MA's), (84, 28719), (91, 28749), (97, 28788), (99, 28797), (125, 28968), (135, 29034), (137, 29040), (145, 29097), (151, 29139), (157, 29169),

Gene: TinyTim_117 Start: 60621, Stop: 61229, Start Num: 71
Candidate Starts for TinyTim_117:
(37, 60486), (Start: 71 @60621 has 188 MA's), (86, 60708), (101, 60780), (111, 60846), (119, 60909), (120, 60921), (125, 60942), (143, 61044), (166, 61185),

Gene: Tomaszewski_27 Start: 27115, Stop: 28077, Start Num: 11
Candidate Starts for Tomaszewski_27:
(Start: 11 @27115 has 139 MA's), (21, 27178), (23, 27193), (27, 27232), (33, 27298), (63, 27460), (Start: 65 @27463 has 1 MA's), (84, 27562), (91, 27592), (97, 27631), (99, 27640), (125, 27811), (135, 27877), (137, 27883), (145, 27940), (151, 27982), (157, 28012),

Gene: Tonenili_131 Start: 64088, Stop: 64720, Start Num: 65
Candidate Starts for Tonenili_131:
(Start: 65 @64088 has 1 MA's), (67, 64097), (82, 64178), (90, 64199), (94, 64226), (99, 64253), (107, 64301), (135, 64484), (137, 64487), (139, 64502), (149, 64580), (159, 64625), (161, 64631), (167, 64712),

Gene: Topgun_6 Start: 3108, Stop: 3809, Start Num: 38
Candidate Starts for Topgun_6:
(Start: 38 @3108 has 175 MA's), (Start: 41 @3117 has 11 MA's), (72, 3240), (74, 3249), (77, 3270), (85, 3312), (92, 3342), (97, 3372), (112, 3468), (117, 3501), (129, 3588), (142, 3648), (147, 3690), (165, 3792),

Gene: Tortoise16_114 Start: 59970, Stop: 60578, Start Num: 71
Candidate Starts for Tortoise16_114:
(37, 59835), (Start: 71 @59970 has 188 MA's), (86, 60057), (101, 60129), (111, 60195), (119, 60258), (120, 60270), (125, 60291), (143, 60393), (166, 60534),

Gene: Tote_8 Start: 3828, Stop: 4529, Start Num: 38
Candidate Starts for Tote_8:
(Start: 38 @3828 has 175 MA's), (Start: 41 @3837 has 11 MA's), (72, 3960), (74, 3969), (77, 3990), (85, 4032), (92, 4062), (97, 4092), (112, 4188), (117, 4221), (129, 4308), (142, 4368), (147, 4410), (165, 4512),

Gene: Toto_28 Start: 27524, Stop: 28468, Start Num: 11
Candidate Starts for Toto_28:
(Start: 11 @27524 has 139 MA's), (14, 27542), (21, 27587), (40, 27767), (49, 27800), (57, 27839), (63, 27869), (Start: 65 @27872 has 1 MA's), (67, 27881), (84, 27974), (85, 27980), (97, 28043), (108, 28100), (112, 28142), (116, 28169), (135, 28283), (150, 28385),

Gene: Traaww1_26 Start: 27163, Stop: 28107, Start Num: 11
Candidate Starts for Traaww1_26:
(Start: 11 @27163 has 139 MA's), (14, 27181), (17, 27211), (21, 27226), (40, 27406), (49, 27439), (57, 27478), (63, 27508), (Start: 65 @27511 has 1 MA's), (67, 27520), (75, 27556), (84, 27613), (85,

27619), (97, 27682), (108, 27739), (112, 27781), (126, 27883), (135, 27922), (158, 28057),

Gene: Traft412_8 Start: 4006, Stop: 4716, Start Num: 38
Candidate Starts for Traft412_8:
(Start: 38 @4006 has 175 MA's), (Start: 41 @4015 has 11 MA's), (72, 4138), (77, 4168), (97, 4270), (99, 4279), (103, 4300), (112, 4372), (136, 4519), (142, 4552), (150, 4612), (165, 4699),

Gene: Treddle_6 Start: 3259, Stop: 3960, Start Num: 41
Candidate Starts for Treddle_6:
(Start: 38 @3250 has 175 MA's), (Start: 41 @3259 has 11 MA's), (72, 3382), (77, 3412), (97, 3514), (99, 3523), (103, 3544), (112, 3616), (136, 3763), (142, 3796), (150, 3856), (165, 3943),

Gene: Trinitium_114 Start: 59325, Stop: 59933, Start Num: 71
Candidate Starts for Trinitium_114:
(37, 59190), (Start: 71 @59325 has 188 MA's), (86, 59412), (101, 59484), (111, 59550), (119, 59613), (120, 59625), (125, 59646), (143, 59748), (166, 59889),

Gene: Tripl3t_7 Start: 4022, Stop: 4717, Start Num: 38
Candidate Starts for Tripl3t_7:
(Start: 38 @4022 has 175 MA's), (69, 4139), (92, 4256), (94, 4265), (97, 4286), (108, 4340), (129, 4499), (137, 4529), (138, 4535), (150, 4616),

Gene: Trouble_6 Start: 3659, Stop: 4360, Start Num: 38
Candidate Starts for Trouble_6:
(Start: 38 @3659 has 175 MA's), (Start: 41 @3668 has 11 MA's), (72, 3791), (74, 3800), (77, 3821), (85, 3863), (92, 3893), (97, 3923), (112, 4019), (117, 4052), (129, 4139), (142, 4199), (147, 4241), (165, 4343),

Gene: Tuco_29 Start: 28033, Stop: 28977, Start Num: 11
Candidate Starts for Tuco_29:
(Start: 11 @28033 has 139 MA's), (14, 28051), (17, 28081), (21, 28096), (40, 28276), (49, 28309), (57, 28348), (63, 28378), (Start: 65 @28381 has 1 MA's), (67, 28390), (75, 28426), (84, 28483), (85, 28489), (97, 28552), (108, 28609), (112, 28651), (126, 28753), (135, 28792), (158, 28927),

Gene: Turj99_5 Start: 3094, Stop: 3804, Start Num: 38
Candidate Starts for Turj99_5:
(Start: 38 @3094 has 175 MA's), (Start: 41 @3103 has 11 MA's), (72, 3226), (77, 3256), (97, 3358), (99, 3367), (103, 3388), (112, 3460), (136, 3607), (142, 3640), (150, 3700), (165, 3787),

Gene: Turret_112 Start: 58770, Stop: 59378, Start Num: 71
Candidate Starts for Turret_112:
(37, 58635), (Start: 71 @58770 has 188 MA's), (86, 58857), (101, 58929), (111, 58995), (119, 59058), (120, 59070), (125, 59091), (143, 59193), (166, 59334),

Gene: Tweety_21 Start: 22143, Stop: 23033, Start Num: 19
Candidate Starts for Tweety_21:
(13, 22095), (15, 22113), (16, 22116), (Start: 19 @22143 has 1 MA's), (22, 22161), (Start: 24 @22173 has 1 MA's), (29, 22218), (36, 22302), (47, 22362), (56, 22404), (60, 22422), (62, 22431), (69, 22455), (73, 22476), (85, 22542), (97, 22602), (108, 22659), (112, 22698), (116, 22731), (124, 22779), (140, 22869), (164, 23007),

Gene: TwoPeat_7 Start: 3621, Stop: 4322, Start Num: 38
Candidate Starts for TwoPeat_7:

(Start: 38 @3621 has 175 MA's), (Start: 41 @3630 has 11 MA's), (72, 3753), (74, 3762), (77, 3783), (85, 3825), (92, 3855), (97, 3885), (112, 3981), (117, 4014), (129, 4101), (142, 4161), (147, 4203), (165, 4305),

Gene: Tyke_117 Start: 61276, Stop: 61884, Start Num: 71
Candidate Starts for Tyke_117:
(37, 61141), (Start: 71 @61276 has 188 MA's), (86, 61363), (101, 61435), (111, 61501), (119, 61564), (120, 61576), (125, 61597), (143, 61699), (166, 61840),

Gene: Ukulele_28 Start: 27276, Stop: 28238, Start Num: 11
Candidate Starts for Ukulele_28:
(Start: 11 @27276 has 139 MA's), (21, 27339), (23, 27354), (27, 27393), (33, 27459), (63, 27621), (Start: 65 @27624 has 1 MA's), (84, 27723), (91, 27753), (97, 27792), (99, 27801), (125, 27972), (135, 28038), (137, 28044), (145, 28101), (151, 28143), (157, 28173),

Gene: ValleyTerrace_117 Start: 59389, Stop: 59997, Start Num: 71
Candidate Starts for ValleyTerrace_117:
(37, 59254), (Start: 71 @59389 has 188 MA's), (86, 59476), (101, 59548), (111, 59614), (119, 59677), (120, 59689), (125, 59710), (143, 59812), (166, 59953),

Gene: Violet_5 Start: 2907, Stop: 3617, Start Num: 38
Candidate Starts for Violet_5:
(Start: 38 @2907 has 175 MA's), (Start: 41 @2916 has 11 MA's), (72, 3039), (77, 3069), (97, 3171), (99, 3180), (103, 3201), (112, 3273), (136, 3420), (142, 3453), (150, 3513), (165, 3600),

Gene: Vortrix_130 Start: 63404, Stop: 64036, Start Num: 65
Candidate Starts for Vortrix_130:
(Start: 65 @63404 has 1 MA's), (67, 63413), (82, 63494), (90, 63515), (94, 63542), (99, 63569), (107, 63617), (135, 63800), (137, 63803), (139, 63818), (149, 63896), (159, 63941), (161, 63947), (167, 64028),

Gene: Wally_116 Start: 59399, Stop: 60007, Start Num: 71
Candidate Starts for Wally_116:
(37, 59264), (Start: 71 @59399 has 188 MA's), (86, 59486), (101, 59558), (111, 59624), (119, 59687), (120, 59699), (125, 59720), (143, 59822), (166, 59963),

Gene: Watermelon_8 Start: 4201, Stop: 4911, Start Num: 38
Candidate Starts for Watermelon_8:
(Start: 38 @4201 has 175 MA's), (Start: 41 @4210 has 11 MA's), (72, 4333), (77, 4363), (97, 4465), (99, 4474), (103, 4495), (112, 4567), (136, 4714), (142, 4747), (150, 4807), (165, 4894),

Gene: Wheeler_6 Start: 3376, Stop: 4077, Start Num: 41
Candidate Starts for Wheeler_6:
(Start: 38 @3367 has 175 MA's), (Start: 41 @3376 has 11 MA's), (72, 3499), (77, 3529), (97, 3631), (99, 3640), (103, 3661), (112, 3733), (136, 3880), (142, 3913), (150, 3973), (165, 4060),

Gene: Whitspit_6 Start: 3418, Stop: 4119, Start Num: 38
Candidate Starts for Whitspit_6:
(Start: 38 @3418 has 175 MA's), (Start: 41 @3427 has 11 MA's), (72, 3550), (74, 3559), (77, 3580), (85, 3622), (92, 3652), (97, 3682), (112, 3778), (117, 3811), (129, 3898), (142, 3958), (147, 4000), (165, 4102),

Gene: Wiggin_31 Start: 28022, Stop: 28984, Start Num: 11

Candidate Starts for Wiggin_31:
(Start: 11 @28022 has 139 MA's), (21, 28085), (23, 28100), (27, 28139), (33, 28205), (63, 28367), (Start: 65 @28370 has 1 MA's), (84, 28469), (91, 28499), (97, 28538), (99, 28547), (125, 28718), (135, 28784), (137, 28790), (145, 28847), (151, 28889), (157, 28919),

Gene: Wildflower_64 Start: 40896, Stop: 41582, Start Num: 45
Candidate Starts for Wildflower_64:
(Start: 45 @40896 has 7 MA's), (52, 40923), (54, 40932), (58, 40950), (61, 40962), (66, 40983), (73, 41013), (84, 41076), (86, 41085), (97, 41142), (100, 41154), (107, 41196), (120, 41301), (128, 41355), (141, 41424), (145, 41451), (152, 41493), (153, 41496), (158, 41523), (165, 41574),

Gene: Wilkins_6 Start: 3108, Stop: 3809, Start Num: 38
Candidate Starts for Wilkins_6:
(Start: 38 @3108 has 175 MA's), (Start: 41 @3117 has 11 MA's), (72, 3240), (74, 3249), (77, 3270), (85, 3312), (92, 3342), (97, 3372), (112, 3468), (117, 3501), (129, 3588), (142, 3648), (147, 3690), (165, 3792),

Gene: Willez_27 Start: 27022, Stop: 27984, Start Num: 11
Candidate Starts for Willez_27:
(Start: 11 @27022 has 139 MA's), (21, 27085), (23, 27100), (27, 27139), (33, 27205), (63, 27367), (Start: 65 @27370 has 1 MA's), (84, 27469), (91, 27499), (97, 27538), (99, 27547), (125, 27718), (135, 27784), (137, 27790), (145, 27847), (151, 27889), (157, 27919),

Gene: Willis_118 Start: 60756, Stop: 61364, Start Num: 71
Candidate Starts for Willis_118:
(37, 60621), (Start: 71 @60756 has 188 MA's), (86, 60843), (101, 60915), (111, 60981), (119, 61044), (120, 61056), (125, 61077), (143, 61179), (166, 61320),

Gene: Xandras_30 Start: 27508, Stop: 28470, Start Num: 11
Candidate Starts for Xandras_30:
(Start: 11 @27508 has 139 MA's), (21, 27571), (23, 27586), (27, 27625), (33, 27691), (63, 27853), (Start: 65 @27856 has 1 MA's), (84, 27955), (91, 27985), (97, 28024), (99, 28033), (125, 28204), (135, 28270), (137, 28276), (145, 28333), (151, 28375), (157, 28405),

Gene: YassJohnny_29 Start: 28033, Stop: 28995, Start Num: 11
Candidate Starts for YassJohnny_29:
(Start: 11 @28033 has 139 MA's), (21, 28096), (23, 28111), (27, 28150), (33, 28216), (63, 28378), (Start: 65 @28381 has 1 MA's), (84, 28480), (91, 28510), (97, 28549), (99, 28558), (125, 28729), (135, 28795), (137, 28801), (145, 28858), (151, 28900), (157, 28930),

Gene: Yassified_114 Start: 59476, Stop: 60084, Start Num: 71
Candidate Starts for Yassified_114:
(37, 59341), (Start: 71 @59476 has 188 MA's), (86, 59563), (101, 59635), (111, 59701), (119, 59764), (120, 59776), (125, 59797), (143, 59899), (166, 60040),

Gene: YemiJoy2021_118 Start: 60858, Stop: 61466, Start Num: 71
Candidate Starts for YemiJoy2021_118:
(37, 60723), (Start: 71 @60858 has 188 MA's), (86, 60945), (101, 61017), (111, 61083), (119, 61146), (120, 61158), (125, 61179), (143, 61281), (166, 61422),

Gene: Yoshi_26 Start: 22460, Stop: 23407, Start Num: 12
Candidate Starts for Yoshi_26:

(10, 22430), (Start: 11 @22457 has 139 MA's), (Start: 12 @22460 has 29 MA's), (14, 22475), (18, 22508), (31, 22604), (51, 22745), (58, 22772), (97, 22967), (133, 23207), (134, 23210), (136, 23216), (137, 23219), (141, 23249),

Gene: YoungMoneyMata_118 Start: 60025, Stop: 60633, Start Num: 71
Candidate Starts for YoungMoneyMata_118:
(37, 59890), (Start: 71 @60025 has 188 MA's), (86, 60112), (101, 60184), (111, 60250), (119, 60313), (120, 60325), (125, 60346), (143, 60448), (166, 60589),

Gene: Youngblood_28 Start: 27686, Stop: 28630, Start Num: 11
Candidate Starts for Youngblood_28:
(Start: 11 @27686 has 139 MA's), (21, 27749), (23, 27764), (27, 27803), (33, 27869), (63, 28031), (Start: 65 @28034 has 1 MA's), (67, 28043), (84, 28136), (85, 28142), (97, 28205), (108, 28262), (110, 28271), (112, 28304), (135, 28445), (149, 28544), (150, 28547), (158, 28580),

Gene: Yucca_116 Start: 60540, Stop: 61148, Start Num: 71
Candidate Starts for Yucca_116:
(37, 60405), (Start: 71 @60540 has 188 MA's), (86, 60627), (101, 60699), (111, 60765), (119, 60828), (120, 60840), (125, 60861), (143, 60963), (166, 61104),

Gene: Zakhe101_64 Start: 41442, Stop: 42128, Start Num: 45
Candidate Starts for Zakhe101_64:
(Start: 45 @41442 has 7 MA's), (52, 41469), (54, 41478), (58, 41496), (61, 41508), (66, 41529), (73, 41559), (84, 41622), (86, 41631), (97, 41688), (100, 41700), (107, 41742), (120, 41847), (128, 41901), (141, 41970), (145, 41997), (152, 42039), (153, 42042), (158, 42069), (165, 42120),

Gene: Zalkecks_118 Start: 60541, Stop: 61149, Start Num: 71
Candidate Starts for Zalkecks_118:
(37, 60406), (Start: 71 @60541 has 188 MA's), (86, 60628), (101, 60700), (111, 60766), (119, 60829), (120, 60841), (125, 60862), (143, 60964), (166, 61105),

Gene: Zapner_27 Start: 23156, Stop: 24100, Start Num: 12
Candidate Starts for Zapner_27:
(Start: 11 @23153 has 139 MA's), (Start: 12 @23156 has 29 MA's), (14, 23171), (17, 23201), (18, 23204), (20, 23210), (94, 23645), (97, 23666), (115, 23789), (120, 23825), (125, 23846), (130, 23891), (135, 23909), (145, 23972), (155, 24026), (158, 24044),

Gene: Zeeculate_5 Start: 3085, Stop: 3777, Start Num: 38
Candidate Starts for Zeeculate_5:
(Start: 38 @3085 has 175 MA's), (72, 3214), (88, 3295), (92, 3316), (94, 3325), (97, 3346), (102, 3370), (136, 3589), (160, 3724),

Gene: Zeenon_118 Start: 60626, Stop: 61234, Start Num: 71
Candidate Starts for Zeenon_118:
(37, 60491), (Start: 71 @60626 has 188 MA's), (86, 60713), (101, 60785), (111, 60851), (119, 60914), (120, 60926), (125, 60947), (143, 61049), (166, 61190),

Gene: Zephyr_6 Start: 3214, Stop: 3915, Start Num: 38
Candidate Starts for Zephyr_6:
(Start: 38 @3214 has 175 MA's), (Start: 41 @3223 has 11 MA's), (72, 3346), (74, 3355), (77, 3376), (85, 3418), (92, 3448), (97, 3478), (112, 3574), (117, 3607), (129, 3694), (147, 3796), (165, 3898),

Gene: Zeuska_5 Start: 3138, Stop: 3839, Start Num: 38

Candidate Starts for Zeuska_5:
(Start: 38 @3138 has 175 MA's), (Start: 41 @3147 has 11 MA's), (72, 3270), (77, 3300), (85, 3342), (92, 3372), (97, 3402), (112, 3498), (117, 3531), (129, 3618), (142, 3678), (147, 3720), (165, 3822),

Gene: ZygoTaiga_115 Start: 61786, Stop: 62394, Start Num: 71
Candidate Starts for ZygoTaiga_115:
(37, 61651), (Start: 71 @61786 has 188 MA's), (86, 61873), (101, 61945), (111, 62011), (119, 62074), (120, 62086), (125, 62107), (143, 62209), (166, 62350),

Gene: xkcd_29 Start: 27687, Stop: 28649, Start Num: 11
Candidate Starts for xkcd_29:
(Start: 11 @27687 has 139 MA's), (21, 27750), (23, 27765), (27, 27804), (33, 27870), (63, 28032), (Start: 65 @28035 has 1 MA's), (84, 28134), (91, 28164), (97, 28203), (99, 28212), (125, 28383), (135, 28449), (137, 28455), (145, 28512), (151, 28554), (157, 28584),