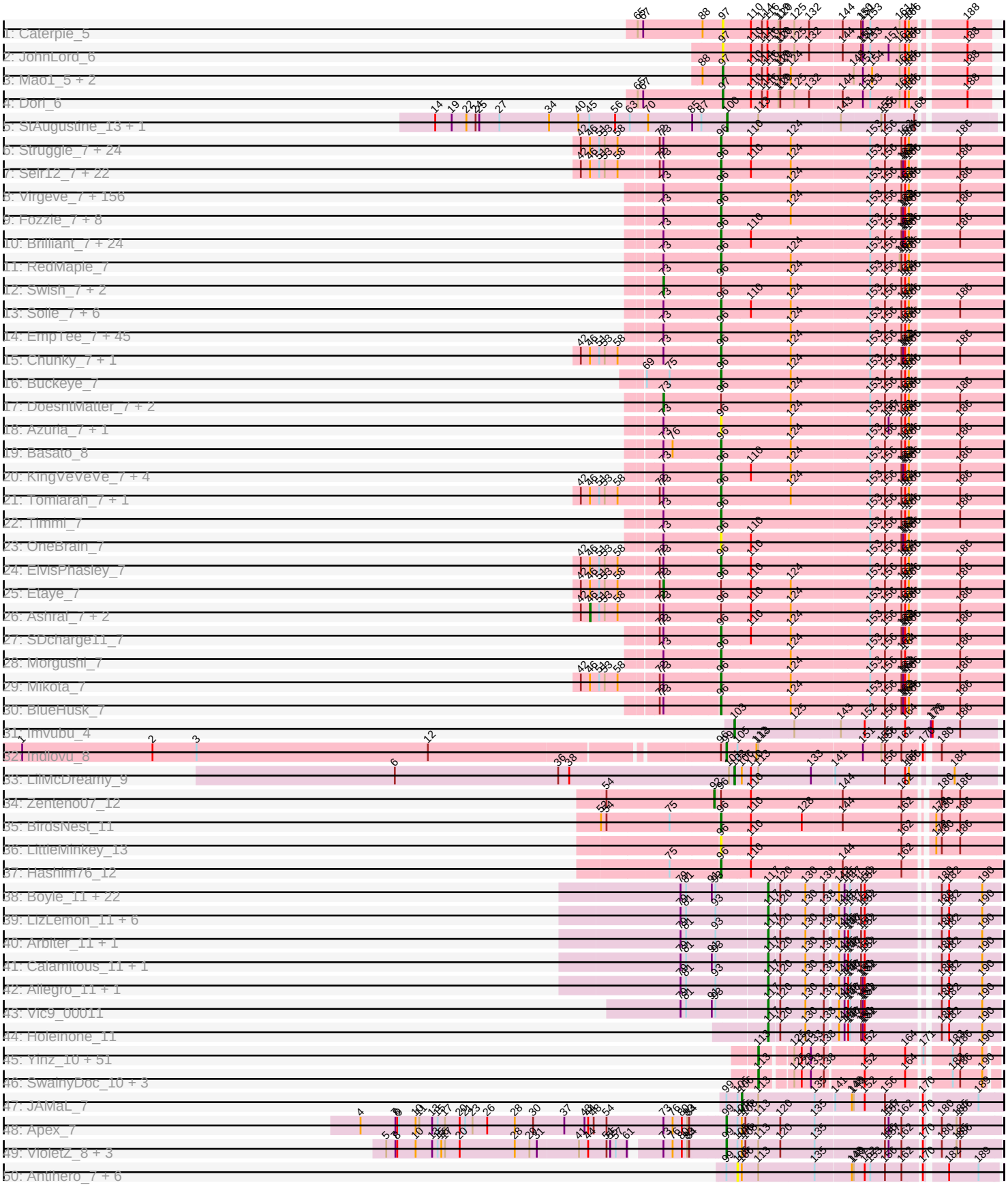
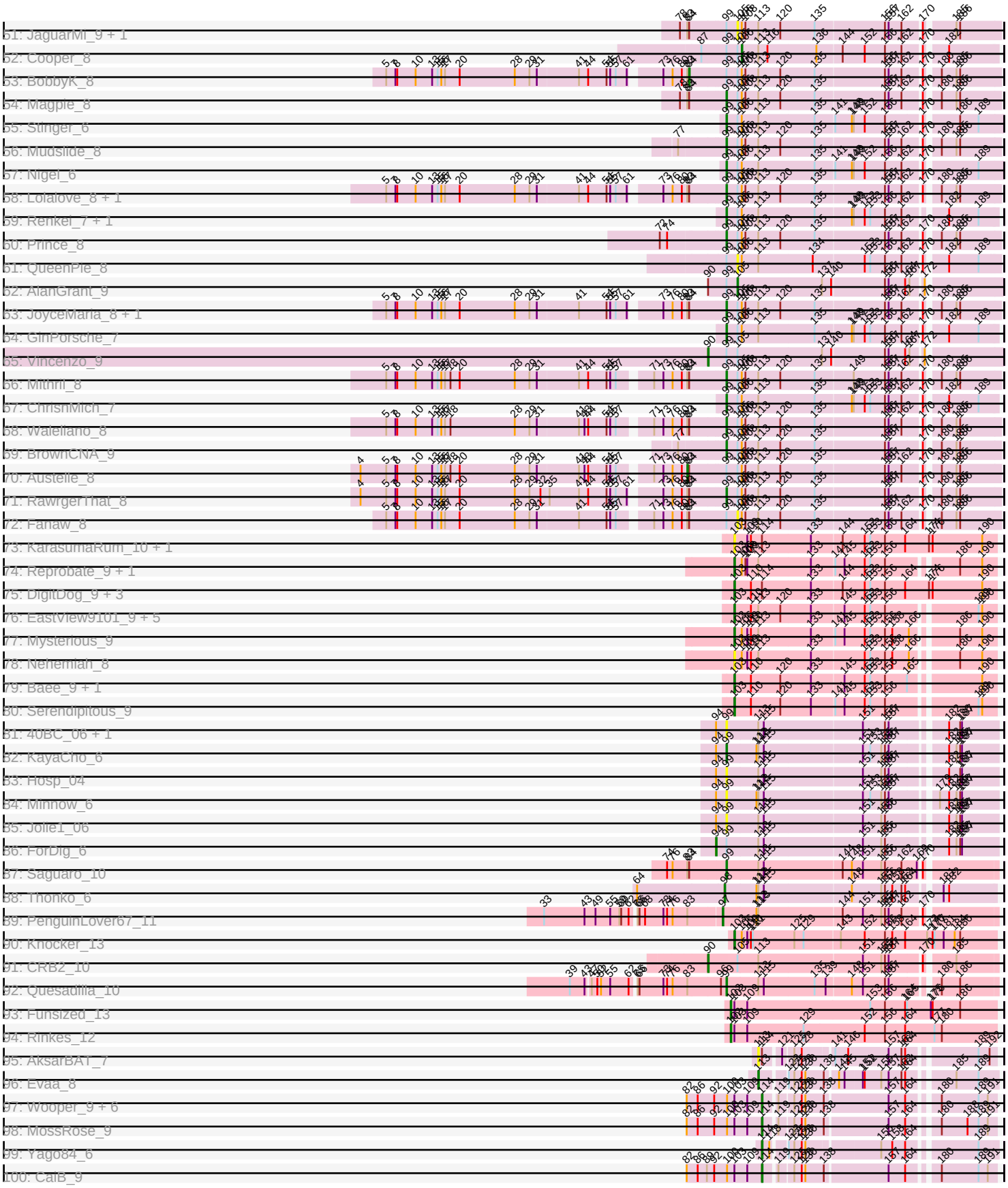
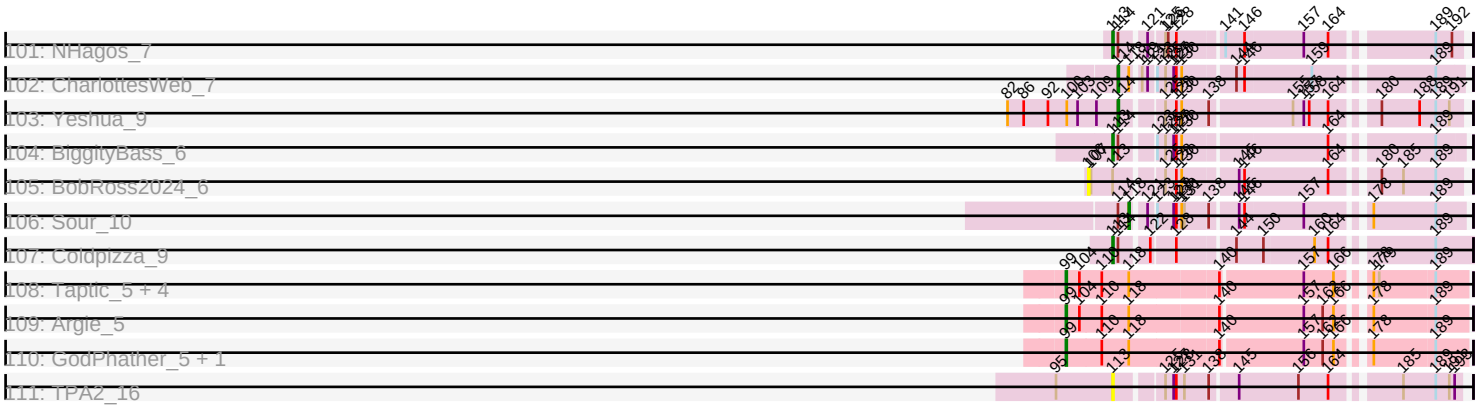
Pham 345224


1: Caterpie_5
2: JohnLord_6
3: Mao1_5 + 2
4: Dori_6
5: StAugustine_13 + 1
6: Struggle_7 + 24
7: Seir12_7 + 22
8: Virgeve_7 + 156
9: Fozzie_7 + 8
10: Brilliant_7 + 24
11: RedMaple_7
12: Swish_7 + 2
13: Solle_7 + 6
14: EmpTee_7 + 45
15: Chunky_7 + 1
16: Buckeye_7
17: DoesntMatter_7 + 2
18: Azuria_7 + 1
19: Basato_8
20: KingVeVeVe_7 + 4
21: Tomlaran_7 + 1
22: Timmi_7
23: OneBrain_7
24: ElvisPhasley_7
25: Etaye_7
26: Ashraf_7 + 2
27: SDcharge11_7
28: Morgushi_7
29: Mikota_7
30: BlueHusk_7
31: Imvubu_4
32: Indiovu_8
33: LilMcDreamy_9
34: Zenteno07_12
35: BirdsNest_11
36: LittleMinkey_13
37: Hashim76_12
38: Boyle_11 + 22
39: LizLemon_11 + 6
40: Arbiter_11 + 1
41: Calamitous_11 + 1
42: Allegro_11 + 1
43: Vic9_00011
44: Holeinone_11
45: Yinz_10 + 51
46: SwampyDoc_10 + 3
47: JAMaL_7
48: Apex_7
49: VioletZ_8 + 3
50: Anthero_7 + 6

Pham 345224


51: JaguarMi_9 + 1
52: Cooper_8
53: BobbyK_8
54: Magpie_8
55: Stinger_6
56: Mudslide_8
57: Nigel_6
58: Lolalove_8 + 1
59: Renkei_7 + 1
60: Prince_8
61: QueenPie_8
62: AlanGrant_9
63: JoyceMaria_8 + 1
64: GinPorsche_7
65: Vincenzo_9
66: Mithril_8
67: ChrishMich_7
68: Wallellano_8
69: BrownCNA_9
70: Austelle_8
71: RawrgerThat_8
72: Fanaw_8
73: KarasumaRum_10 + 1
74: Reprobate_9 + 1
75: DigitDog_9 + 3
76: EastView9101_9 + 5
77: Mysterious_9
78: Nehemiah_8
79: Baee_9 + 1
80: Serendipitous_9
81: 40BC_06 + 1
82: KayaCho_6
83: Hosp_04
84: Minnow_6
85: Jolie1_06
86: ForDig_6
87: Saguaro_10
88: Thonko_6
89: PenguinLover67_11
90: Knocker_13
91: CRB2_10
92: Quesadilla_10
93: Funsized_13
94: Rinkes_12
95: AksarBAT_7
96: Evaa_8
97: Wooper_9 + 6
98: MossRose_9
99: Yago84_6
100: CalB_9

Pham 345224


101: NHagos_7
102: CharlottesWeb_7
103: Yeshua_9
104: BigglyBass_6
105: BobRoss2024_6
106: Sour_10
107: Coldpizza_9
108: Taptic_5 + 4
109: Argie_5
110: GodPhather_5 + 1
111: TPA2_16

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 345224 Report

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

Pham number 345224 has 533 members, 62 are drafts.

Phages represented in each track:
• Track 1 : Caterpie_5
• Track 2 : JohnLord_6
• Track 3 : Mao1_5, Mask_6, Sejanus_6
• Track 4 : Dori_6
• Track 5 : StAugustine_13, Causa_15
• Track 6 : Struggle_7, Veritas_7, MichaelPhcott_7, PhrankReynolds_7, Trypo_7, Riverton_7, Wallhey_7, Kailash_7, Mag7_7, Labeouficaum_7, Phleuron_7, Freya_7, Oline_7, FleetyMac_7, Derpp_7, PhenghisKhan_7, Doddsville_7, DuchessDung_7, BatteryCK_7, Coletti_7, Chute_7, CharlieGBrown_7, Pinkman_7, TyrionL_7, Phergie_7
• Track 7 : Selr12_7, MelsMeow_7, Plmatters_7, Windsor_7, Mesmerelda_7, Lumine_7, Chuni_7, Roliet_7, Crownjwl_8, Phipps_7, Soto_7, Dione_7, Roscoe_8, SirBeauregard_7, Olak_7, Scrick_7, Haleema_7, Phunky_7, Dingo_7, MiniBoss_7, Kwksand96_7, Chaelin_7, LuckyMarjie_7
• Track 8 : Virgeve_7, Aonishiki_7, Morty_7, HenryJackson_7, Orion_7, Weher20_7, Childish_7, Adriana_7, Skippy_7, BoogieWoogie_7, Kloppinator_7, Legolas_7, Puhltonio_7, ThreeOh3D2_7, ProfessorX_7, DonSanchon_7, Riggan_7, Pherdinand_7, PhrodoBaggins_7, PallasAthena_7, AngelCake_7, ShiVal_7, Orwigg_7, Serendipity_7, Slatt_7, Chipette_8, Craff_7, Surely_7, True_7, FriarPreacher_7, Oosterbaan_7, Haimas_7, Megatron_7, Cobra_7, Burr_7, Iridoclysis_7, Gophee_7, DirtJuice_7, Usavi_7, Valjean_7, Thora_7, TomBombadil_7, Zaider_8, SilverBell_7, Inchworm_7, Placalicious_7, Boehler_7, Hamish_7, Hetaeria_7, Xavier_7, Lulwa_7, NiaNia_7, Spartan300_7, Vaishali24_7, TallGrassMM_7, Schadenfreude_7, Pipsqueak_7, Hocus_7, Colbert_7, UncleHowie_7, Squiggle_7, Yoshand_7, FremontTroll_7, Simielle_7, LemonSlice_7, BlackStallion_7, Vista_7, Solosis_7, Potter_7, Sigman_7, Fang_7, LeeLot_7, Samaymay_7, Sophia_7, Nyala_7, Altwerkus_7, Emiris_7, Caspiboi_7, Zelda_7, Hartsy_7, Lehmann_8, Chah_7, Andre_7, ABU_7, Olive_7, Kahve_7, BlacksBerry_7, MRabcd_7, YouGoGlencoco_7, IsaacEli_7, AltPhacts_7, Omniscient_7, Mutante_7, QueenBeane_7, Flake_7, KLucky39_7, Bishoperium_7, Apizium_7, SassyCat97_7, Charles1_7, Megamind20_8, Piglet_007, Mesh1_7, Antonia_7, Mana_7, Banjo_7, Dice_7, Triad_7, TooFast2Furius_8, LostAndPhound_7, Keitherie_7, Kikipoo_7, HighStump_7, Lego3393_7, Vortex_7, PG1_7, JacAttac_7, LasagnaCat_7, Mecca_7, PinheadLarry_7, ShadowBud_7, Larson_8, Mosaic_7, Cornbread_7, Chorkpop_7, Hertubise_7, Gareth_7, Bluephacebaby_7, Serpentine_007, Phamished_7, Phareon_7, CamL_7, Telesworld_7, Cannibal_7, Magic8_7, Jillium_7, Vaticameos_7, Sheila_7, Podrick_7, Fringe_7, Dati_7, Quisquiliae_7, EmGer13_7, UAch1_7,

Murdoc_7, Manad_7, Waterdiva_7, Lasso_7, Schueller_7, Cher_7, Cornobble_7, Squid_7, Anderson_7, Vivaldi_7, Numberten_7, Mcshane_7, Horchata_7
• Track 9 : Fozzie_7, RedRaider89_8, Swiphy_7, Nathan_7, GeneCoco_7, Pacifista_7, OSmaximus_7, DolOn_9, PhatLouie_7
• Track 10 : Brilliant_7, DaddyDaniels_7, LeiMonet_7, Khan1_7, Plata_7, Longacauda_7, MrPhizzler_7, JakeO_7, Karn_7, Durga_7, Kiwot_7, Thunderbird_7, Jiminy_7, JDog_7, Nova1_7, HogWash_7, Nehme_7, Happabalu_7, Zonia_7, Jiraiya_7, Duggie_7, Aleia_7, Iridessa_7, Gwennie1_7, Rimu_7
• Track 11 : RedMaple_7
• Track 12 : Swish_7, Katniss_7, Badfish_7
• Track 13 : Soile_7, Jesabah_7, DelRivs_7, Harvey_7, Salazzle_7, Vectra_7, Orfeu_7
• Track 14 : EmpTee_7, Robyn_7, Pops_7, PhatCats2014_7, Matalotodo_7, Newman_7, Grand2040_7, Aelin_7, Eremos_7, KingTut_7, Lulumae_7, Hekos_7, MitKao_7, Gyarad_007, Nacho_007, Eugenia_7, Prickles_7, Roy17_7, Held_7, Lopsy_7, HSavage_7, Cosmolli16_7, Tooj_7, AbsoluteMadLad_7, GreenChile_8, OliverWalter_7, Nicole21_7, KlimbOn_7, Daffy_7, Suffolk_7, Carthage_7, Toni_7, CampRoach_7, Scoot17C_7, Virapocalypse_7, FugateOSU_7, JangoPhett_7, Frankicide_7, Giraffe_7, Mulan_7, CheetO_7, Maru_7, Gwilliam_7, Daka_7, Inverness_7, SallyH_8
• Track 15 : Chunky_7, Melc17_7
• Track 16 : Buckeye_7
• Track 17 : DoesntMatter_7, FluffyNinja_7, Beaglebox_7
• Track 18 : Azuria_7, Septica_7
• Track 19 : Basato_8
• Track 20 : KingVeVeVe_7, Jbug01_7, Taraxa_7, Ricotta_7, Kwadwo_7
• Track 21 : Tomlarah_7, Kimbrough_7
• Track 22 : Timmi_7
• Track 23 : OneBrain_7
• Track 24 : ElvisPhasley_7
• Track 25 : Etaye_7
• Track 26 : Ashraf_7, ImtiyazSitla_7, Maskar_7
• Track 27 : SDcharge11_7
• Track 28 : Morgushi_7
• Track 29 : Mikota_7
• Track 30 : BlueHusk_7
• Track 31 : Imvubu_4
• Track 32 : Indlovu_8
• Track 33 : LilMcDreamy_9
• Track 34 : Zenteno07_12
• Track 35 : BirdsNest_11
• Track 36 : LittleMinkey_13
• Track 37 : Hashim76_12
• Track 38 : Boyle_11, Kheth_11, Ares_11, Eaglehorse_11, ItsyBitsy1_11, Hedgerow_11, Lephleur_11, FrenchFry_11, Sabella_11, Phantasmagoria_11, MasterPo_11, Faze9_11, Tinciduntsolum_12, Kaleb_11, Brownie5_11, Rosebush_11, Glass_11, West99_11, LilSmirk_11, Kolhan_11, Bananafish_11, Opia_11, Coffee_11
• Track 39 : LizLemon_11, Blocker23_11, Lars_11, Tres_11, Godines_11, Qyrzula_11, PrinceCharming_11
• Track 40 : Arbiter_11, TA17A_11
• Track 41 : Calamitous_11, Laurie_11
• Track 42 : Allegro_11, Rhinoforte_11

• Track 43 : Vic9_00011
• Track 44 : Holeinone_11
• Track 45 : Yinz_10, Kronus_9, GlenHope_11, Audrey_10, Phaedrus_9, Pipefish_10, Bernardo_10, Compostia_10, Chandler_10, Marlia_10, Mulaychimus_10, Briakila_10, Corofin_10, Heathcliff_10, Casbah_9, SynergyX_10, Baloo_10, Chalmers_10, Mortcellus_9, Jackstina_9, Daisy_10, RomaT_10, Nozo_10, ChaChing_10, Gervas_10, MmasiCarm_10, Marley1013_10, Philly_9, Ben11_9, HarveySr_10, Rita1961_10, Yahalom_10, Morty007_10, Neos5_10, Olivio_9, Kamiyu_10, RagingRooster_10, Akoma_10, OrangeOswald_10, Phlyer_10, Tydolla_10, SlippinJimmy_10, TinyTerror_10, Abinghost_10, Halfpint_9, Gadjet_11, Devonte_10, Deenasa_10, Obutu_10, Phayeta_10, Chentzyk_9, Shenandoah_10
• Track 46 : SwainyDoc_10, Athena_11, Glubnar_10, LestyG_10
• Track 47 : JAMaL_7
• Track 48 : Apex_7
• Track 49 : VioletZ_8, Zemanar_9, Heath_8, Frederick_8
• Track 50 : Antihero_7, Ahwei_7, Lambano_7, Epah_7, Poster_7, Hally898_7, Nanao_7
• Track 51 : JaguarMi_9, Xincheng_8
• Track 52 : Cooper_8
• Track 53 : BobbyK_8
• Track 54 : Magpie_8
• Track 55 : Stinger_6
• Track 56 : Mudslide_8
• Track 57 : Nigel_6
• Track 58 : Lolalove_8, Hydro_8
• Track 59 : Renkei_7, LittleDigger_7
• Track 60 : Prince_8
• Track 61 : QueenPie_8
• Track 62 : AlanGrant_9
• Track 63 : JoyceMaria_8, Hangman_8
• Track 64 : GinPorsche_7
• Track 65 : Vincenzo_9
• Track 66 : Mithril_8
• Track 67 : ChrisnMich_7
• Track 68 : Waleliano_8
• Track 69 : BrownCNA_9
• Track 70 : Austelle_8
• Track 71 : RawrgerThat_8
• Track 72 : Fanaw_8
• Track 73 : KarasumaRum_10, StinkyVeggy_10
• Track 74 : Reprobate_9, Phelemich_9
• Track 75 : DigitDog_9, Reccee_9, Shenyu_9, Nangang_9
• Track 76 : EastView9101_9, SirJeffery_9, Acadian_9, Rita130_9, Suigeneris_9, Donny_9
• Track 77 : Mysterious_9
• Track 78 : Nehemiah_8
• Track 79 : Baee_9, Rich_9
• Track 80 : Serendipitous_9
• Track 81 : 40BC_06, 39HC_06
• Track 82 : KayaCho_6
• Track 83 : Hosp_04
• Track 84 : Minnow_6
• Track 85 : Jolie1_06

• Track 86 : ForDig_6
• Track 87 : Saguaro_10
• Track 88 : Thonko_6
• Track 89 : PenguinLover67_11
• Track 90 : Knocker_13
• Track 91 : CRB2_10
• Track 92 : Quesadilla_10
• Track 93 : Funsized_13
• Track 94 : Rinkes_12
• Track 95 : AksarBAT_7
• Track 96 : Evaa_8
• Track 97 : Wooper_9, FelixTres_9, TraderJ_9, Blackpen_9, AnarQue_9, MakoManhole_9, CloverMinnie_9
• Track 98 : MossRose_9
• Track 99 : Yago84_6
• Track 100 : CaiB_9
• Track 101 : NHagos_7
• Track 102 : CharlottesWeb_7
• Track 103 : Yeshua_9
• Track 104 : BiggityBass_6
• Track 105 : BobRoss2024_6
• Track 106 : Sour_10
• Track 107 : Coldpizza_9
• Track 108 : Taptic_5, PR_05, D12_05, Megabear_5, Cepens_5
• Track 109 : Argie_5
• Track 110 : GodPhather_5, Jeon_5
• Track 111 : TPA2_16

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

The start number called the most often in the published annotations is 96, it was called in 289 of the 471 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABU_7, AbsoluteMadLad_7, Adriana_7, Aelin_7, Aleia_7, AltPhacts_7, Altwerkus_7, Anderson_7, Andre_7, AngelCake_7, Antonia_7, Aonishiki_7, Apizium_7, Azuria_7, Banjo_7, Basato_8, BatteryCK_7, BirdsNest_11, Bishoperium_7, BlackStallion_7, BlacksBerry_7, BlueHusk_7, Bluephacebaby_7, Boehler_7, BoogieWoogie_7, Brilliant_7, Buckeye_7, Burr_7, CamL_7, CampRoach_7, Cannibal_7, Carthage_7, Caspiboi_7, Chaelin_7, Chah_7, Charles1_7, CharlieGBrown_7, CheetO_7, Cher_7, Childish_7, Chipette_8, Chorkpop_7, Chuni_7, Chunky_7, Chute_7, Cobra_7, Colbert_7, Coletti_7, Cornbread_7, Cornobble_7, Cosmolli16_7, Craff_7, Crownjwl_8, DaddyDaniels_7, Daffy_7, Daka_7, Dati_7, DelRivs_7, Derpp_7, Dice_7, Dingo_7, Dione_7, DirtJuice_7, Doddsville_7, DolOn_9, DonSanchon_7, DuchessDung_7, Duggie_7, Durga_7, ElvisPhasley_7, EmGer13_7, Emiris_7, EmpTee_7, Eremos_7, Eugenia_7, Fang_7, Flake_7, FleetyMac_7, Fozzie_7, Frankicide_7, FremontTroll_7, Freya_7, FriarPreacher_7, Fringe_7, FugateOSU_7, Gareth_7, GeneCoco_7, Giraffe_7, Gophee_7, Grand2040_7, GreenChile_8, Gwennie1_7, Gwilliam_7, Gyarad_007, HSavage_7, Haimas_7, Haleema_7, Hamish_7, Happabalu_7, Hartsy_7, Harvey_7, Hashim76_12, Hekos_7, Held_7, HenryJackson_7, Hertubise_7,

Hetaeria_7, HighStump_7, Hocus_7, HogWash_7, Horchata_7, Inchworm_7, Inverness_7, Iridessa_7, Iridoclysis_7, IsaacEli_7, JDog_7, JacAttac_7, JakeO_7, JangoPhett_7, Jbug01_7, Jesabah_7, Jillium_7, Jiminy_7, Jiraiya_7, KLucky39_7, Kahve_7, Kailash_7, Karn_7, Keitherie_7, Khan1_7, Kikipoo_7, Kimbrough_7, KingTut_7, KingVeVeVe_7, Kiwot_7, KlimbOn_7, Kloppinator_7, Kwadwo_7, Kwksand96_7, Labeouficaum_7, Larson_8, LasagnaCat_7, Lasso_7, LeeLot_7, Lego3393_7, Legolas_7, Lehmann_8, LeiMonet_7, LemonSlice_7, LittleMinkey_13, Longacauda_7, Lopsy_7, LostAndPhound_7, LuckyMarjie_7, Lulumae_7, Lulwa_7, Lumine_7, MRabcd_7, Mag7_7, Magic8_7, Mana_7, Manad_7, Maru_7, Matalotodo_7, Mcshane_7, Mecca_7, Megamind20_8, Megatron_7, Melc17_7, MelsMeow_7, Mesh1_7, Mesmerelda_7, MichaelPhcott_7, Mikota_7, MiniBoss_7, MitKao_7, Morgushi_7, Morty_7, Mosaic_7, MrPhizzler_7, Mulan_7, Murdoc_7, Mutante_7, Nacho_007, Nathan_7, Nehme_7, Newman_7, NiaNia_7, Nicole21_7, Nova1_7, Numberten_7, Nyala_7, OSmaximus_7, Olak_7, Oline_7, Olive_7, OliverWalter_7, Omniscient_7, OneBrain_7, Oosterbaan_7, Orfeu_7, Orion_7, Orwigg_7, PG1_7, Pacifista_7, PallasAthena_7, Phamished_7, Phareon_7, PhatCats2014_7, PhatLouie_7, PhenghisKhan_7, Pherdinand_7, Phergie_7, Phipps_7, Phleuron_7, PhrankReynolds_7, PhrodoBaggins_7, Phunky_7, Piglet_007, PinheadLarry_7, Pinkman_7, Pipsqueak_7, Placalicious_7, Plata_7, Plmatters_7, Podrick_7, Pops_7, Potter_7, Prickles_7, ProfessorX_7, Puhltonio_7, QueenBeane_7, Quisquiliae_7, RedMaple_7, RedRaider89_8, Ricotta_7, Riggan_7, Rimu_7, Riverton_7, Robyn_7, Roliet_7, Roscoe_8, Roy17_7, SDcharge11_7, Salazzle_7, SallyH_8, Samaymay_7, SassyCat97_7, Schadenfreude_7, Schueller_7, Scoot17C_7, Scrick_7, Selr12_7, Septica_7, Serendipity_7, Serpentine_007, ShadowBud_7, Sheila_7, ShiVal_7, Sigman_7, SilverBell_7, Simielle_7, SirBeauregard_7, Skippy_7, Slatt_7, Soile_7, Solosis_7, Sophia_7, Soto_7, Spartan300_7, Squid_7, Squiggle_7, Struggle_7, Suffolk_7, Surely_7, Swiphy_7, TallGrassMM_7, Taraxa_7, Telesworld_7, Thora_7, ThreeOh3D2_7, Thunderbird_7, Timmi_7, TomBombadil_7, Tomlarah_7, Toni_7, TooFast2Furius_8, Tooj_7, Triad_7, True_7, Trypo_7, TyrionL_7, UAch1_7, UncleHowie_7, Usavi_7, Vaishali24_7, Valjean_7, Vaticameos_7, Vectra_7, Veritas_7, Virapocalypse_7, Virgeve_7, Vista_7, Vivaldi_7, Vortex_7, Wallhey_7, Waterdiva_7, Weher20_7, Windsor_7, Xavier_7, Yoshand_7, YouGoGlencoco_7, Zaider_8, Zelda_7, Zonia_7,

Genes that have the "Most Annotated" start but do not call it:
• Ashraf_7, Badfish_7, Beaglebox_7, DoesntMatter_7, Etaye_7, FluffyNinja_7, ImtiyazSitla_7, Indlovu_8, Katniss_7, Maskar_7, Quesadilla_10, Swish_7, Zenteno07_12,

Genes that do not have the "Most Annotated" start:
• 39HC_06, 40BC_06, Abinghost_10, Acadian_9, Ahwei_7, Akoma_10, AksarBAT_7, AlanGrant_9, Allegro_11, AnarQue_9, Antihero_7, Apex_7, Arbiter_11, Ares_11, Argie_5, Athena_11, Audrey_10, Austelle_8, Baee_9, Baloo_10, Bananafish_11, Ben11_9, Bernardo_10, BiggityBass_6, Blackpen_9, Blocker23_11, BobRoss2024_6, BobbyK_8, Boyle_11, Briakila_10, BrownCNA_9, Brownie5_11, CRB2_10, CaiB_9, Calamitous_11, Casbah_9, Caterpie_5, Causa_15, Cepens_5, ChaChing_10, Chalmers_10, Chandler_10, CharlottesWeb_7, Chentzyk_9, ChrisnMich_7, CloverMinnie_9, Coffee_11, Coldpizza_9, Compostia_10, Cooper_8, Corofin_10, D12_05, Daisy_10, Deenasa_10, Devonte_10, DigitDog_9, Donny_9, Dori_6, Eaglehorse_11, EastView9101_9, Epah_7, Evaa_8, Fanaw_8, Faze9_11, FelixTres_9, ForDig_6, Frederick_8, FrenchFry_11, Funsized_13, Gadjet_11, Gervas_10, GinPorsche_7, Glass_11, GlenHope_11, Glubnar_10, GodPhather_5, Godines_11, Halfpint_9, Hally898_7, Hangman_8, HarveySr_10, Heath_8,

Heathcliff_10, Hedgerow_11, Holeinone_11, Hosp_04, Hydro_8, Imvubu_4, ItsyBitsy1_11, JAMaL_7, Jackstina_9, JaguarMi_9, Jeon_5, JohnLord_6, Jolie1_06, JoyceMaria_8, Kaleb_11, Kamiyu_10, KarasumaRum_10, KayaCho_6, Kheth_11, Knocker_13, Kolhan_11, Kronus_9, Lambano_7, Lars_11, Laurie_11, Lephleur_11, LestyG_10, LilMcDreamy_9, LilSmirk_11, LittleDigger_7, LizLemon_11, Lolalove_8, Magpie_8, MakoManhole_9, Mao1_5, Marley1013_10, Marlia_10, Mask_6, MasterPo_11, Megabear_5, Minnow_6, Mithril_8, MmasiCarm_10, Mortcellus_9, Morty007_10, MossRose_9, Mudslide_8, Mulaychimus_10, Mysterious_9, NHagos_7, Nanao_7, Nangang_9, Nehemiah_8, Neos5_10, Nigel_6, Nozo_10, Obutu_10, Olivio_9, Opia_11, OrangeOswald_10, PR_05, PenguinLover67_11, Phaedrus_9, Phantasmagoria_11, Phayeta_10, Phelemich_9, Philly_9, Phlyer_10, Pipefish_10, Poster_7, PrinceCharming_11, Prince_8, QueenPie_8, Qyrzula_11, RagingRooster_10, RawrgerThat_8, Reccee_9, Renkei_7, Reprobate_9, Rhinoforte_11, Rich_9, Rinkes_12, Rita130_9, Rita1961_10, RomaT_10, Rosebush_11, Sabella_11, Saguaro_10, Sejanus_6, Serendipitous_9, Shenandoah_10, Shenyu_9, SirJeffery_9, SlippinJimmy_10, Sour_10, StAugustine_13, Stinger_6, StinkyVeggy_10, Suigeneris_9, SwainyDoc_10, SynergyX_10, TA17A_11, TPA2_16, Taptic_5, Thonko_6, Tinciduntsolum_12, TinyTerror_10, TraderJ_9, Tres_11, Tydolla_10, Vic9_00011, Vincenzo_9, VioletZ_8, Waleliano_8, West99_11, Wooper_9, Xincheng_8, Yago84_6, Yahalom_10, Yeshua_9, Yinz_10, Zemanar_9,

Summary by start number:

Start 46:
• Found in 58 of 533 (10.9%) of genes in pham
• Manual Annotations of this start: 3 of 471
• Called 5.2% of time when present
• Phage (with cluster) where this start called: Ashraf_7 (B1), ImtiyazSitla_7 (B1), Maskar_7 (B1),

Start 73:
• Found in 339 of 533 (63.6%) of genes in pham
• Manual Annotations of this start: 7 of 471
• Called 2.1% of time when present
• Phage (with cluster) where this start called: Badfish_7 (B1), Beaglebox_7 (B1), DoesntMatter_7 (B1), Etaye_7 (B1), FluffyNinja_7 (B1), Katniss_7 (B1), Swish_7 (B1),

Start 83:
• Found in 21 of 533 (3.9%) of genes in pham
• Manual Annotations of this start: 1 of 471
• Called 4.8% of time when present
• Phage (with cluster) where this start called: Austelle_8 (B4),

Start 84:
• Found in 19 of 533 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 471
• Called 5.3% of time when present
• Phage (with cluster) where this start called: BobbyK_8 (B4),

Start 90:
• Found in 3 of 533 (0.6%) of genes in pham

• Manual Annotations of this start: 2 of 471
• Called 66.7% of time when present
• Phage (with cluster) where this start called: CRB2_10 (B9), Vincenzo_9 (B4),

Start 92:
• Found in 11 of 533 (2.1%) of genes in pham
• Manual Annotations of this start: 1 of 471
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Zenteno07_12 (B13),

Start 94:
• Found in 7 of 533 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 471
• Called 14.3% of time when present
• Phage (with cluster) where this start called: ForDig_6 (B6),

Start 96:
• Found in 329 of 533 (61.7%) of genes in pham
• Manual Annotations of this start: 289 of 471
• Called 96.0% of time when present
• Phage (with cluster) where this start called: ABU_7 (B1), AbsoluteMadLad_7 (B1), Adriana_7 (B1), Aelin_7 (B1), Aleia_7 (B1), AltPhacts_7 (B1), Altwerkus_7 (B1), Anderson_7 (B1), Andre_7 (B1), AngelCake_7 (B1), Antonia_7 (B1), Aonishiki_7 (B1), Apizium_7 (B1), Azuria_7 (B1), Banjo_7 (B1), Basato_8 (B1), BatteryCK_7 (B1), BirdsNest_11 (B13), Bishoperium_7 (B1), BlackStallion_7 (B1), BlacksBerry_7 (B1), BlueHusk_7 (B1), Bluephacebaby_7 (B1), Boehler_7 (B1), BoogieWoogie_7 (B1), Brilliant_7 (B1), Buckeye_7 (B1), Burr_7 (B1), CamL_7 (B1), CampRoach_7 (B1), Cannibal_7 (B1), Carthage_7 (B1), Caspiboi_7 (B1), Chaelin_7 (B1), Chah_7 (B1), Charles1_7 (B1), CharlieGBrown_7 (B1), CheetO_7 (B1), Cher_7 (B1), Childish_7 (B1), Chipette_8 (B1), Chorkpop_7 (B1), Chuni_7 (B1), Chunky_7 (B1), Chute_7 (B1), Cobra_7 (B1), Colbert_7 (B1), Coletti_7 (B1), Cornbread_7 (B1), Cornobble_7 (B1), Cosmolli16_7 (B1), Craff_7 (B1), Crownjwl_8 (B1), DaddyDaniels_7 (B1), Daffy_7 (B1), Daka_7 (B1), Dati_7 (B1), DelRivs_7 (B1), Derpp_7 (B1), Dice_7 (B1), Dingo_7 (B1), Dione_7 (B1), DirtJuice_7 (B1), Doddsville_7 (B1), DolOn_9 (B1), DonSanchon_7 (B1), DuchessDung_7 (B1), Duggie_7 (B1), Durga_7 (B1), ElvisPhasley_7 (B1), EmGer13_7 (B1), Emiris_7 (B1), EmpTee_7 (B1), Eremos_7 (B1), Eugenia_7 (B1), Fang_7 (B1), Flake_7 (B1), FleetyMac_7 (B1), Fozzie_7 (B1), Frankicide_7 (B1), FremontTroll_7 (B1), Freya_7 (B1), FriarPreacher_7 (B1), Fringe_7 (B1), FugateOSU_7 (B1), Gareth_7 (B1), GeneCoco_7 (B1), Giraffe_7 (B1), Gophee_7 (B1), Grand2040_7 (B1), GreenChile_8 (B1), Gwennie1_7 (B1), Gwilliam_7 (B1), Gyarad_007 (B1), HSavage_7 (B1), Haimas_7 (B1), Haleema_7 (B1), Hamish_7 (B1), Happabalu_7 (B1), Hartsy_7 (B1), Harvey_7 (B1), Hashim76_12 (B13), Hekos_7 (B1), Held_7 (B1), HenryJackson_7 (B1), Hertubise_7 (B1), Hetaeria_7 (B1), HighStump_7 (B1), Hocus_7 (B1), HogWash_7 (B1), Horchata_7 (B1), Inchworm_7 (B1), Inverness_7 (B1), Iridessa_7 (B1), Iridoclysis_7 (B1), IsaacEli_7 (B1), JDog_7 (B1), JacAttac_7 (B1), JakeO_7 (B1), JangoPhett_7 (B1), Jbug01_7 (B1), Jesabah_7 (B1), Jillium_7 (B1), Jiminy_7 (B1), Jiraiya_7 (B1), KLucky39_7 (B1), Kahve_7 (B1), Kailash_7 (B1), Karn_7 (B1), Keitherie_7 (B1), Khan1_7 (B1), Kikipoo_7 (B1), Kimbrough_7 (B1), KingTut_7 (B1), KingVeVeVe_7 (B1), Kiwot_7 (B1), KlimbOn_7 (B1), Kloppinator_7 (B1), Kwadwo_7 (B1), Kwksand96_7 (B1), Labeouficaum_7 (B1), Larson_8 (B1), LasagnaCat_7 (B1), Lasso_7 (B1), LeeLot_7 (B1), Lego3393_7 (B1), Legolas_7 (B1), Lehmann_8 (B1), LeiMonet_7 (B1), LemonSlice_7 (B1), LittleMinkey_13 (B13), Longacauda_7 (B1),

Lopsy_7 (B1), LostAndPhound_7 (B1), LuckyMarjie_7 (B1), Lulumae_7 (B1), Lulwa_7 (B1), Lumine_7 (B1), MRabcd_7 (B1), Mag7_7 (B1), Magic8_7 (B1), Mana_7 (B1), Manad_7 (B1), Maru_7 (B1), Matalotodo_7 (B1), Mcshane_7 (B1), Mecca_7 (B1), Megamind20_8 (B1), Megatron_7 (B1), Melc17_7 (B1), MelsMeow_7 (B1), Mesh1_7 (B1), Mesmerelda_7 (B1), MichaelPhcott_7 (B1), Mikota_7 (B1), MiniBoss_7 (B1), MitKao_7 (B1), Morgushi_7 (B1), Morty_7 (B1), Mosaic_7 (B1), MrPhizzler_7 (B1), Mulan_7 (B1), Murdoc_7 (B1), Mutante_7 (B1), Nacho_007 (B1), Nathan_7 (B1), Nehme_7 (B1), Newman_7 (B1), NiaNia_7 (B1), Nicole21_7 (B1), Nova1_7 (B1), Numberten_7 (B1), Nyala_7 (B1), OSmaximus_7 (B1), Olak_7 (B1), Oline_7 (B1), Olive_7 (B1), OliverWalter_7 (B1), Omniscient_7 (B1), OneBrain_7 (B1), Oosterbaan_7 (B1), Orfeu_7 (B1), Orion_7 (B1), Orwigg_7 (B1), PG1_7 (B1), Pacifista_7 (B1), PallasAthena_7 (B1), Phamished_7 (B1), Phareon_7 (B1), PhatCats2014_7 (B1), PhatLouie_7 (B1), PhenghisKhan_7 (B1), Pherdinand_7 (B1), Phergie_7 (B1), Phipps_7 (B1), Phleuron_7 (B1), PhrankReynolds_7 (B1), PhrodoBaggins_7 (B1), Phunky_7 (B1), Piglet_007 (B1), PinheadLarry_7 (B1), Pinkman_7 (B1), Pipsqueak_7 (B1), Placalicious_7 (B1), Plata_7 (B1), Plmatters_7 (B1), Podrick_7 (B1), Pops_7 (B1), Potter_7 (B1), Prickles_7 (B1), ProfessorX_7 (B1), Puhltonio_7 (B1), QueenBeane_7 (B1), Quisquiliae_7 (B1), RedMaple_7 (B1), RedRaider89_8 (B1), Ricotta_7 (B1), Riggan_7 (B1), Rimu_7 (B1), Riverton_7 (B1), Robyn_7 (B1), Roliet_7 (B1), Roscoe_8 (B1), Roy17_7 (B1), SDcharge11_7 (B1), Salazzle_7 (B1), SallyH_8 (B1), Samaymay_7 (B1), SassyCat97_7 (B1), Schadenfreude_7 (B1), Schueller_7 (B1), Scoot17C_7 (B1), Scrick_7 (B1), Selr12_7 (B1), Septica_7 (B1), Serendipity_7 (B1), Serpentine_007 (B1), ShadowBud_7 (B1), Sheila_7 (B1), ShiVal_7 (B1), Sigman_7 (B1), SilverBell_7 (B1), Simielle_7 (B1), SirBeauregard_7 (B1), Skippy_7 (B1), Slatt_7 (B1), Soile_7 (B1), Solosis_7 (B1), Sophia_7 (B1), Soto_7 (B1), Spartan300_7 (B1), Squid_7 (B1), Squiggle_7 (B1), Struggle_7 (B1), Suffolk_7 (B1), Surely_7 (B1), Swiphy_7 (B1), TallGrassMM_7 (B1), Taraxa_7 (B1), Telesworld_7 (B1), Thora_7 (B1), ThreeOh3D2_7 (B1), Thunderbird_7 (B1), Timmi_7 (B1), TomBombadil_7 (B1), Tomlarah_7 (B1), Toni_7 (B1), TooFast2Furius_8 (B1), Tooj_7 (B1), Triad_7 (B1), True_7 (B1), Trypo_7 (B1), TyrionL_7 (B1), UAch1_7 (B1), UncleHowie_7 (B1), Usavi_7 (B1), Vaishali24_7 (B1), Valjean_7 (B1), Vaticameos_7 (B1), Vectra_7 (B1), Veritas_7 (B1), Virapocalypse_7 (B1), Virgeve_7 (B1), Vista_7 (B1), Vivaldi_7 (B1), Vortex_7 (B1), Wallhey_7 (B1), Waterdiva_7 (B1), Weher20_7 (B1), Windsor_7 (B1), Xavier_7 (B1), Yoshand_7 (B1), YouGoGlencoco_7 (B1), Zaider_8 (B1), Zelda_7 (B1), Zonia_7 (B1),

Start 97:
• Found in 7 of 533 (1.3%) of genes in pham
• Manual Annotations of this start: 5 of 471
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Caterpie_5 (AD), Dori_6 (AD), JohnLord_6 (AD), Mao1_5 (AD), Mask_6 (AD), PenguinLover67_11 (B9), Sejanus_6 (AD),

Start 98:
• Found in 1 of 533 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 471
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Thonko_6 (B8),

Start 99:
• Found in 57 of 533 (10.7%) of genes in pham
• Manual Annotations of this start: 34 of 471

• Called 68.4% of time when present
• Phage (with cluster) where this start called: 39HC_06 (B6), 40BC_06 (B6), Apex_7 (B4), Argie_5 (W), BrownCNA_9 (B4), Cepens_5 (W), ChrisnMich_7 (B4), D12_05 (W), Frederick_8 (B4), GinPorsche_7 (B4), GodPhather_5 (W), Hangman_8 (B4), Heath_8 (B4), Hosp_04 (B6), Hydro_8 (B4), Indlovu_8 (B11), Jeon_5 (W), Jolie1_06 (B6), JoyceMaria_8 (B4), KayaCho_6 (B6), LittleDigger_7 (B4), Lolalove_8 (B4), Magpie_8 (B4), Megabear_5 (W), Minnow_6 (B6), Mithril_8 (B4), Mudslide_8 (B4), Nigel_6 (B4), PR_05 (W), Prince_8 (B4), Quesadilla_10 (B9), RawrgerThat_8 (B4), Renkei_7 (B4), Saguaro_10 (B7), Stinger_6 (B4), Taptic_5 (W), VioletZ_8 (B4), Waleliano_8 (B4), Zemanar_9 (B4),

Start 100:
• Found in 12 of 533 (2.3%) of genes in pham
• Manual Annotations of this start: 2 of 471
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Causa_15 (AI), StAugustine_13 (AI),

Start 102:
• Found in 2 of 533 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 471
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Funsized_13 (B9), Rinkes_12 (B9),

Start 103:
• Found in 34 of 533 (6.4%) of genes in pham
• Manual Annotations of this start: 14 of 471
• Called 64.7% of time when present
• Phage (with cluster) where this start called: Acadian_9 (B5), Baee_9 (B5), DigitDog_9 (B5), Donny_9 (B5), EastView9101_9 (B5), Imvubu_4 (B10), KarasumaRum_10 (B5), Knocker_13 (B9), LilMcDreamy_9 (B12), Mysterious_9 (B5), Nangang_9 (B5), Nehemiah_8 (B5), Phelemich_9 (B5), Reccee_9 (B5), Reprobate_9 (B5), Rich_9 (B5), Rita130_9 (B5), Serendipitous_9 (B5), Shenyu_9 (B5), SirJeffery_9 (B5), StinkyVeggy_10 (B5), Suigeneris_9 (B5),

Start 105:
• Found in 41 of 533 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 471
• Called 29.3% of time when present
• Phage (with cluster) where this start called: Ahwei_7 (B4), AlanGrant_9 (B4), Antihero_7 (B4), Epah_7 (B4), Fanaw_8 (B4), Hally898_7 (B4), JaguarMi_9 (B4), Lambano_7 (B4), Nanao_7 (B4), Poster_7 (B4), QueenPie_8 (B4), Xincheng_8 (B4),

Start 106:
• Found in 44 of 533 (8.3%) of genes in pham
• Manual Annotations of this start: 2 of 471
• Called 6.8% of time when present
• Phage (with cluster) where this start called: BobRoss2024_6 (DR), Cooper_8 (B4), JAMaL_7 (B4),

Start 113:
• Found in 126 of 533 (23.6%) of genes in pham
• Manual Annotations of this start: 57 of 471
• Called 49.2% of time when present

• Phage (with cluster) where this start called: Abinghost_10 (B3), Akoma_10 (B3), AksarBAT_7 (DR), Athena_11 (B3), Audrey_10 (B3), Baloo_10 (B3), Ben11_9 (B3), Bernardo_10 (B3), BiggityBass_6 (DR), Briakila_10 (B3), Casbah_9 (B3), ChaChing_10 (B3), Chalmers_10 (B3), Chandler_10 (B3), Chentzyk_9 (B3), Coldpizza_9 (DR), Compostia_10 (B3), Corofin_10 (B3), Daisy_10 (B3), Deenasa_10 (B3), Devonte_10 (B3), Evaa_8 (DR), Gadjet_11 (B3), Gervas_10 (B3), GlenHope_11 (B3), Glubnar_10 (B3), Halfpint_9 (B3), HarveySr_10 (B3), Heathcliff_10 (B3), Jackstina_9 (B3), Kamiyu_10 (B3), Kronus_9 (B3), LestyG_10 (B3), Marley1013_10 (B3), Marlia_10 (B3), MmasiCarm_10 (B3), Mortcellus_9 (B3), Morty007_10 (B3), Mulaychimus_10 (B3), NHagos_7 (DR), Neos5_10 (B3), Nozo_10 (B3), Obutu_10 (B3), Olivio_9 (B3), OrangeOswald_10 (B3), Phaedrus_9 (B3), Phayeta_10 (B3), Philly_9 (B3), Phlyer_10 (B3), Pipefish_10 (B3), RagingRooster_10 (B3), Rita1961_10 (B3), RomaT_10 (B3), Shenandoah_10 (B3), SlippinJimmy_10 (B3), SwainyDoc_10 (B3), SynergyX_10 (B3), TPA2_16 (singleton), TinyTerror_10 (B3), Tydolla_10 (B3), Yahalom_10 (B3), Yinz_10 (B3),

Start 114:
• Found in 29 of 533 (5.4%) of genes in pham
• Manual Annotations of this start: 10 of 471
• Called 41.4% of time when present
• Phage (with cluster) where this start called: AnarQue_9 (DR), Blackpen_9 (DR), CaiB_9 (DR), CharlottesWeb_7 (DR), CloverMinnie_9 (DR), FelixTres_9 (DR), MakoManhole_9 (DR), MossRose_9 (DR), TraderJ_9 (DR), Wooper_9 (DR), Yago84_6 (DR), Yeshua_9 (DR),

Start 117:
• Found in 38 of 533 (7.1%) of genes in pham
• Manual Annotations of this start: 37 of 471
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Allegro_11 (B2), Arbiter_11 (B2), Ares_11 (B2), Bananafish_11 (B2), Blocker23_11 (B2), Boyle_11 (B2), Brownie5_11 (B2), Calamitous_11 (B2), Coffee_11 (B2), Eaglehorse_11 (B2), Faze9_11 (B2), FrenchFry_11 (B2), Glass_11 (B2), Godines_11 (B2), Hedgerow_11 (B2), Holeinone_11 (B2), ItsyBitsy1_11 (B2), Kaleb_11 (B2), Kheth_11 (B2), Kolhan_11 (B2), Lars_11 (B2), Laurie_11 (B2), Lephleur_11 (B2), LilSmirk_11 (B2), LizLemon_11 (B2), MasterPo_11 (B2), Opia_11 (B2), Phantasmagoria_11 (B2), PrinceCharming_11 (B2), Qyrzula_11 (B2), Rhinoforte_11 (B2), Rosebush_11 (B2), Sabella_11 (B2), TA17A_11 (B2), Tinciduntsolum_12 (B2), Tres_11 (B2), Vic9_00011 (B2), West99_11 (B2),

Start 118:
• Found in 11 of 533 (2.1%) of genes in pham
• Manual Annotations of this start: 1 of 471
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Sour_10 (DR),

Summary by clusters:

There are 18 clusters represented in this pham: singleton, B2, B10, AI, B8, B11, B4, B5, B6, B7, B12, B1, W, B3, AD, DR, B9, B13,

Info for manual annotations of cluster AD:
•Start number 97 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster AI:
•Start number 100 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B1:
•Start number 46 was manually annotated 3 times for cluster B1.
•Start number 73 was manually annotated 7 times for cluster B1.
•Start number 96 was manually annotated 287 times for cluster B1.

Info for manual annotations of cluster B10:
•Start number 103 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 99 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 103 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 92 was manually annotated 1 time for cluster B13.
•Start number 96 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 117 was manually annotated 37 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 113 was manually annotated 53 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 83 was manually annotated 1 time for cluster B4.
•Start number 84 was manually annotated 1 time for cluster B4.
•Start number 90 was manually annotated 1 time for cluster B4.
•Start number 99 was manually annotated 22 times for cluster B4.
•Start number 105 was manually annotated 1 time for cluster B4.
•Start number 106 was manually annotated 2 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 103 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 94 was manually annotated 1 time for cluster B6.
•Start number 99 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:
•Start number 99 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 98 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 90 was manually annotated 1 time for cluster B9.
•Start number 97 was manually annotated 1 time for cluster B9.
•Start number 99 was manually annotated 1 time for cluster B9.

•Start number 102 was manually annotated 2 times for cluster B9.
•Start number 103 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster DR:
•Start number 113 was manually annotated 4 times for cluster DR.
•Start number 114 was manually annotated 10 times for cluster DR.
•Start number 118 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster W:
•Start number 99 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_06 Start: 4766, Stop: 5182, Start Num: 99
Candidate Starts for 39HC_06:
(Start: 94 @4751 has 1 MA's), (Start: 99 @4766 has 34 MA's), (Start: 113 @4817 has 57 MA's), (115, 4826), (151, 4982), (156, 5018), (157, 5024), (182, 5102), (186, 5120), (187, 5123),

Gene: 40BC_06 Start: 4766, Stop: 5182, Start Num: 99
Candidate Starts for 40BC_06:
(Start: 94 @4751 has 1 MA's), (Start: 99 @4766 has 34 MA's), (Start: 113 @4817 has 57 MA's), (115, 4826), (151, 4982), (156, 5018), (157, 5024), (182, 5102), (186, 5120), (187, 5123),

Gene: ABU_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for ABU_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Abinghost_10 Start: 5949, Stop: 6284, Start Num: 113
Candidate Starts for Abinghost_10:
(Start: 113 @5949 has 57 MA's), (125, 5991), (128, 6003), (133, 6018), (138, 6036), (152, 6093), (164, 6159), (171, 6180), (183, 6216), (186, 6228), (190, 6264),

Gene: AbsoluteMadLad_7 Start: 3961, Stop: 4407, Start Num: 96
Candidate Starts for AbsoluteMadLad_7:
(Start: 73 @3874 has 7 MA's), (Start: 96 @3961 has 289 MA's), (124, 4072), (153, 4198), (156, 4222), (162, 4249), (164, 4255), (166, 4261),

Gene: Acadian_9 Start: 6265, Stop: 6666, Start Num: 103
Candidate Starts for Acadian_9:
(Start: 103 @6265 has 14 MA's), (110, 6292), (Start: 113 @6304 has 57 MA's), (120, 6340), (133, 6388), (145, 6439), (152, 6472), (153, 6481), (156, 6505), (189, 6637), (190, 6643),

Gene: Adriana_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Adriana_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Aelin_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Aelin_7:

(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Ahwei_7 Start: 5221, Stop: 5616, Start Num: 105
Candidate Starts for Ahwei_7:
(Start: 99 @5203 has 34 MA's), (Start: 105 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 113 @5254 has 57 MA's), (135, 5344), (148, 5401), (149, 5404), (152, 5422), (153, 5431), (156, 5455), (162, 5482), (170, 5509), (182, 5539), (189, 5587),

Gene: Akoma_10 Start: 5949, Stop: 6284, Start Num: 113
Candidate Starts for Akoma_10:
(Start: 113 @5949 has 57 MA's), (125, 5991), (128, 6003), (133, 6018), (138, 6036), (152, 6093), (164, 6159), (171, 6180), (183, 6216), (186, 6228), (190, 6264),

Gene: AksarBAT_7 Start: 4896, Stop: 5237, Start Num: 113
Candidate Starts for AksarBAT_7:
(Start: 113 @4896 has 57 MA's), (Start: 114 @4902 has 10 MA's), (121, 4926), (125, 4941), (128, 4953), (141, 4998), (146, 5019), (157, 5082), (162, 5103), (164, 5109), (189, 5208), (192, 5226),

Gene: AlanGrant_9 Start: 7025, Stop: 7429, Start Num: 105
Candidate Starts for AlanGrant_9:
(Start: 90 @6977 has 2 MA's), (Start: 99 @7007 has 34 MA's), (Start: 105 @7025 has 1 MA's), (137, 7160), (140, 7175), (156, 7259), (157, 7265), (164, 7292), (167, 7298), (172, 7316),

Gene: Aleia_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Aleia_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Allegro_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Allegro_11:
(79, 7225), (81, 7234), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (146, 7477), (147, 7480), (150, 7495), (151, 7498), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: AltPhacts_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for AltPhacts_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Altwerkus_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Altwerkus_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: AnarQue_9 Start: 6416, Stop: 6754, Start Num: 114
Candidate Starts for AnarQue_9:
(82, 6293), (86, 6311), (Start: 92 @6338 has 1 MA's), (Start: 100 @6359 has 2 MA's), (Start: 103 @6371 has 14 MA's), (109, 6392), (Start: 114 @6416 has 10 MA's), (119, 6434), (125, 6455), (128, 6467), (130, 6473), (138, 6500), (157, 6599), (164, 6626), (180, 6665), (189, 6725), (191, 6740),

Gene: Anderson_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Anderson_7:

(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Andre_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Andre_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: AngelCake_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for AngelCake_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Antihero_7 Start: 5221, Stop: 5616, Start Num: 105
Candidate Starts for Antihero_7:
(Start: 99 @5203 has 34 MA's), (Start: 105 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 113 @5254 has 57 MA's), (135, 5344), (148, 5401), (149, 5404), (152, 5422), (153, 5431), (156, 5455), (162, 5482), (170, 5509), (182, 5539), (189, 5587),

Gene: Antonia_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Antonia_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Aonishiki_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Aonishiki_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Apex_7 Start: 5846, Stop: 6265, Start Num: 99
Candidate Starts for Apex_7:
(4, 5255), (7, 5312), (8, 5315), (9, 5318), (10, 5345), (11, 5351), (13, 5372), (15, 5381), (17, 5393), (20, 5417), (21, 5426), (23, 5438), (26, 5462), (28, 5507), (30, 5537), (37, 5588), (43, 5621), (44, 5627), (48, 5636), (54, 5657), (Start: 73 @5750 has 7 MA's), (76, 5765), (80, 5780), (Start: 83 @5786 has 1 MA's), (Start: 84 @5789 has 1 MA's), (Start: 99 @5846 has 34 MA's), (Start: 105 @5864 has 1 MA's), (Start: 106 @5870 has 2 MA's), (108, 5876), (Start: 113 @5897 has 57 MA's), (120, 5933), (135, 5987), (156, 6098), (157, 6104), (162, 6125), (170, 6152), (180, 6170), (185, 6194), (186, 6200),

Gene: Apizium_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Apizium_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Arbiter_11 Start: 7453, Stop: 7791, Start Num: 117
Candidate Starts for Arbiter_11:
(79, 7315), (81, 7324), (93, 7372), (Start: 117 @7453 has 37 MA's), (120, 7468), (130, 7507), (138, 7534), (142, 7552), (145, 7561), (146, 7567), (147, 7570), (150, 7585), (152, 7591), (180, 7696), (182, 7708), (190, 7762),

Gene: Ares_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Ares_11:
(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182,

7618), (190, 7672),

Gene: Argie_5 Start: 2882, Stop: 3286, Start Num: 99
Candidate Starts for Argie_5:
(Start: 99 @2882 has 34 MA's), (104, 2897), (110, 2921), (Start: 118 @2951 has 1 MA's), (140, 3044), (157, 3128), (162, 3149), (166, 3161), (178, 3185), (189, 3251),

Gene: Ashraf_7 Start: 3764, Stop: 4408, Start Num: 46
Candidate Starts for Ashraf_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Athena_11 Start: 6712, Stop: 7047, Start Num: 113
Candidate Starts for Athena_11:
(Start: 113 @6712 has 57 MA's), (125, 6754), (128, 6766), (133, 6781), (138, 6799), (152, 6856), (164, 6922), (183, 6979), (186, 6991), (190, 7027),

Gene: Audrey_10 Start: 5949, Stop: 6284, Start Num: 113
Candidate Starts for Audrey_10:
(Start: 113 @5949 has 57 MA's), (125, 5991), (128, 6003), (133, 6018), (138, 6036), (152, 6093), (164, 6159), (171, 6180), (183, 6216), (186, 6228), (190, 6264),

Gene: Austelle_8 Start: 6242, Stop: 6721, Start Num: 83
Candidate Starts for Austelle_8:
(4, 5732), (5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (18, 5879), (20, 5894), (28, 5984), (29, 6008), (31, 6020), (41, 6086), (43, 6095), (44, 6101), (54, 6131), (55, 6137), (57, 6146), (71, 6191), (Start: 73 @6206 has 7 MA's), (76, 6221), (80, 6236), (Start: 83 @6242 has 1 MA's), (Start: 84 @6245 has 1 MA's), (Start: 99 @6302 has 34 MA's), (Start: 105 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (108, 6332), (Start: 113 @6353 has 57 MA's), (120, 6389), (135, 6443), (156, 6554), (157, 6560), (162, 6581), (170, 6608), (180, 6626), (185, 6650), (186, 6656),

Gene: Azuria_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Azuria_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (124, 4075), (153, 4201), (156, 4225), (157, 4231), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: Badfish_7 Start: 3878, Stop: 4411, Start Num: 73
Candidate Starts for Badfish_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Baee_9 Start: 6271, Stop: 6672, Start Num: 103
Candidate Starts for Baee_9:
(Start: 103 @6271 has 14 MA's), (110, 6298), (120, 6346), (133, 6394), (145, 6445), (152, 6478), (153, 6487), (156, 6511), (165, 6547), (190, 6649),

Gene: Baloo_10 Start: 5949, Stop: 6284, Start Num: 113
Candidate Starts for Baloo_10:
(Start: 113 @5949 has 57 MA's), (125, 5991), (128, 6003), (133, 6018), (138, 6036), (152, 6093), (164, 6159), (171, 6180), (183, 6216), (186, 6228), (190, 6264),

Gene: Bananafish_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Bananafish_11:
(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: Banjo_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Banjo_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Basato_8 Start: 4199, Stop: 4645, Start Num: 96
Candidate Starts for Basato_8:
(Start: 73 @4112 has 7 MA's), (76, 4127), (Start: 96 @4199 has 289 MA's), (124, 4310), (153, 4436), (156, 4460), (162, 4487), (164, 4493), (166, 4499), (186, 4574),

Gene: BatteryCK_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for BatteryCK_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Beaglebox_7 Start: 3878, Stop: 4411, Start Num: 73
Candidate Starts for Beaglebox_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Ben11_9 Start: 5797, Stop: 6132, Start Num: 113
Candidate Starts for Ben11_9:
(Start: 113 @5797 has 57 MA's), (125, 5839), (128, 5851), (133, 5866), (138, 5884), (152, 5941), (164, 6007), (171, 6028), (183, 6064), (186, 6076), (190, 6112),

Gene: Bernardo_10 Start: 5977, Stop: 6312, Start Num: 113
Candidate Starts for Bernardo_10:
(Start: 113 @5977 has 57 MA's), (125, 6019), (128, 6031), (133, 6046), (138, 6064), (152, 6121), (164, 6187), (171, 6208), (183, 6244), (186, 6256), (190, 6292),

Gene: BiggityBass_6 Start: 4749, Stop: 5090, Start Num: 113
Candidate Starts for BiggityBass_6:
(Start: 113 @4749 has 57 MA's), (Start: 114 @4755 has 10 MA's), (123, 4785), (125, 4794), (127, 4803), (128, 4806), (130, 4812), (164, 4962), (189, 5061),

Gene: BirdsNest_11 Start: 4695, Stop: 5120, Start Num: 96
Candidate Starts for BirdsNest_11:
(52, 4506), (54, 4515), (75, 4617), (Start: 96 @4695 has 289 MA's), (110, 4740), (128, 4821), (144, 4884), (162, 4980), (178, 5016), (180, 5025), (186, 5055),

Gene: Bishoperium_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Bishoperium_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: BlackStallion_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for BlackStallion_7:

(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Blackpen_9 Start: 5908, Stop: 6246, Start Num: 114
Candidate Starts for Blackpen_9:
(82, 5785), (86, 5803), (Start: 92 @5830 has 1 MA's), (Start: 100 @5851 has 2 MA's), (Start: 103 @5863 has 14 MA's), (109, 5884), (Start: 114 @5908 has 10 MA's), (119, 5926), (125, 5947), (128, 5959), (130, 5965), (138, 5992), (157, 6091), (164, 6118), (180, 6157), (189, 6217), (191, 6232),

Gene: BlacksBerry_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for BlacksBerry_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Blocker23_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for Blocker23_11:
(79, 7342), (81, 7351), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: BlueHusk_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for BlueHusk_7:
(72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (163, 4253), (164, 4256), (166, 4262), (186, 4337),

Gene: Bluephacebaby_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Bluephacebaby_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: BobRoss2024_6 Start: 4746, Stop: 5114, Start Num: 106
Candidate Starts for BobRoss2024_6:
(Start: 106 @4746 has 2 MA's), (107, 4749), (Start: 113 @4773 has 57 MA's), (125, 4818), (128, 4830), (130, 4836), (145, 4890), (146, 4896), (164, 4986), (180, 5025), (185, 5049), (189, 5085),

Gene: BobbyK_8 Start: 6242, Stop: 6718, Start Num: 84
Candidate Starts for BobbyK_8:
(5, 5771), (7, 5786), (8, 5789), (10, 5819), (13, 5846), (15, 5855), (16, 5861), (17, 5867), (20, 5891), (28, 5981), (29, 6005), (31, 6017), (41, 6083), (44, 6098), (54, 6128), (55, 6134), (57, 6143), (61, 6161), (Start: 73 @6203 has 7 MA's), (76, 6218), (80, 6233), (Start: 83 @6239 has 1 MA's), (Start: 84 @6242 has 1 MA's), (Start: 99 @6299 has 34 MA's), (Start: 105 @6317 has 1 MA's), (Start: 106 @6323 has 2 MA's), (108, 6329), (Start: 113 @6350 has 57 MA's), (120, 6386), (135, 6440), (156, 6551), (157, 6557), (162, 6578), (170, 6605), (180, 6623), (185, 6647), (186, 6653),

Gene: Boehler_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Boehler_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: BoogieWoogie_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for BoogieWoogie_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Boyle_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for Boyle_11:
(79, 7342), (81, 7351), (91, 7393), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: Briakila_10 Start: 6738, Stop: 7073, Start Num: 113
Candidate Starts for Briakila_10:
(Start: 113 @6738 has 57 MA's), (125, 6780), (128, 6792), (133, 6807), (138, 6825), (152, 6882), (164, 6948), (171, 6969), (183, 7005), (186, 7017), (190, 7053),

Gene: Brilliant_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Brilliant_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: BrownCNA_9 Start: 6553, Stop: 6972, Start Num: 99
Candidate Starts for BrownCNA_9:
(77, 6481), (Start: 99 @6553 has 34 MA's), (Start: 105 @6571 has 1 MA's), (Start: 106 @6577 has 2 MA's), (108, 6583), (Start: 113 @6604 has 57 MA's), (120, 6640), (135, 6694), (156, 6805), (157, 6811), (170, 6859), (180, 6877), (185, 6901), (186, 6907),

Gene: Brownie5_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for Brownie5_11:
(79, 7342), (81, 7351), (91, 7393), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: Buckeye_7 Start: 3967, Stop: 4413, Start Num: 96
Candidate Starts for Buckeye_7:
(69, 3853), (75, 3889), (Start: 96 @3967 has 289 MA's), (124, 4078), (153, 4204), (156, 4228), (162, 4255), (164, 4261), (166, 4267),

Gene: Burr_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Burr_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: CRB2_10 Start: 6980, Stop: 7420, Start Num: 90
Candidate Starts for CRB2_10:
(Start: 90 @6980 has 2 MA's), (Start: 105 @7025 has 1 MA's), (Start: 113 @7058 has 57 MA's), (151, 7223), (155, 7253), (156, 7259), (157, 7265), (170, 7313), (185, 7355),

Gene: CaiB_9 Start: 6416, Stop: 6754, Start Num: 114
Candidate Starts for CaiB_9:
(82, 6293), (86, 6311), (89, 6326), (Start: 92 @6338 has 1 MA's), (Start: 100 @6359 has 2 MA's), (Start: 103 @6371 has 14 MA's), (109, 6392), (Start: 114 @6416 has 10 MA's), (119, 6434), (125, 6455), (128, 6467), (130, 6473), (138, 6500), (157, 6599), (164, 6626), (180, 6665), (189, 6725), (191, 6740),

Gene: Calamitous_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Calamitous_11:

(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (146, 7477), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: CamL_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for CamL_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: CampRoach_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for CampRoach_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262),

Gene: Cannibal_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Cannibal_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Carthage_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Carthage_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: Casbah_9 Start: 5798, Stop: 6133, Start Num: 113
Candidate Starts for Casbah_9:
(Start: 113 @5798 has 57 MA's), (125, 5840), (128, 5852), (133, 5867), (138, 5885), (152, 5942), (164, 6008), (171, 6029), (183, 6065), (186, 6077), (190, 6113),

Gene: Caspiboi_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Caspiboi_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Caterpie_5 Start: 2639, Stop: 3046, Start Num: 97
Candidate Starts for Caterpie_5:
(65, 2501), (67, 2510), (88, 2606), (Start: 97 @2639 has 5 MA's), (110, 2684), (Start: 114 @2702 has 10 MA's), (116, 2711), (119, 2729), (120, 2732), (125, 2753), (132, 2777), (144, 2828), (150, 2858), (151, 2861), (153, 2873), (161, 2921), (164, 2930), (166, 2936), (188, 3011),

Gene: Causa_15 Start: 8967, Stop: 9377, Start Num: 100
Candidate Starts for Causa_15:
(14, 8490), (19, 8517), (22, 8541), (24, 8556), (25, 8562), (27, 8595), (34, 8676), (40, 8724), (45, 8742), (56, 8784), (63, 8808), (70, 8838), (85, 8910), (87, 8925), (Start: 100 @8967 has 2 MA's), (Start: 113 @9018 has 57 MA's), (143, 9150), (155, 9213), (156, 9219), (168, 9267),

Gene: Cepens_5 Start: 2882, Stop: 3286, Start Num: 99
Candidate Starts for Cepens_5:
(Start: 99 @2882 has 34 MA's), (104, 2897), (110, 2921), (Start: 118 @2951 has 1 MA's), (140, 3044), (157, 3128), (166, 3161), (178, 3185), (179, 3191), (189, 3251),

Gene: ChaChing_10 Start: 5964, Stop: 6299, Start Num: 113
Candidate Starts for ChaChing_10:

(Start: 113 @5964 has 57 MA's), (125, 6006), (128, 6018), (133, 6033), (138, 6051), (152, 6108), (164, 6174), (171, 6195), (183, 6231), (186, 6243), (190, 6279),

Gene: Chaelin_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Chaelin_7:
(42, 3750), (Start: 46 @3765 has 3 MA's), (51, 3780), (53, 3789), (58, 3810), (72, 3870), (Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (110, 4011), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (163, 4254), (164, 4257), (166, 4263), (186, 4338),

Gene: Chah_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Chah_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Chalmers_10 Start: 6739, Stop: 7074, Start Num: 113
Candidate Starts for Chalmers_10:
(Start: 113 @6739 has 57 MA's), (125, 6781), (128, 6793), (133, 6808), (138, 6826), (152, 6883), (164, 6949), (171, 6970), (183, 7006), (186, 7018), (190, 7054),

Gene: Chandler_10 Start: 6712, Stop: 7047, Start Num: 113
Candidate Starts for Chandler_10:
(Start: 113 @6712 has 57 MA's), (125, 6754), (128, 6766), (133, 6781), (138, 6799), (152, 6856), (164, 6922), (171, 6943), (183, 6979), (186, 6991), (190, 7027),

Gene: Charles1_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Charles1_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: CharlieGBrown_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for CharlieGBrown_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: CharlottesWeb_7 Start: 4948, Stop: 5283, Start Num: 114
Candidate Starts for CharlottesWeb_7:
(Start: 114 @4948 has 10 MA's), (Start: 118 @4960 has 1 MA's), (119, 4966), (121, 4972), (123, 4978), (125, 4987), (127, 4996), (128, 4999), (130, 5005), (144, 5056), (146, 5065), (159, 5137), (189, 5254),

Gene: CheetO_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for CheetO_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Chentzyk_9 Start: 5825, Stop: 6160, Start Num: 113
Candidate Starts for Chentzyk_9:
(Start: 113 @5825 has 57 MA's), (125, 5867), (128, 5879), (133, 5894), (138, 5912), (152, 5969), (164, 6035), (171, 6056), (183, 6092), (186, 6104), (190, 6140),

Gene: Cher_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Cher_7:

(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Childish_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Childish_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Chipette_8 Start: 4200, Stop: 4646, Start Num: 96
Candidate Starts for Chipette_8:
(Start: 73 @4113 has 7 MA's), (Start: 96 @4200 has 289 MA's), (124, 4311), (153, 4437), (156, 4461), (162, 4488), (164, 4494), (166, 4500), (186, 4575),

Gene: Chorkpop_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Chorkpop_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: ChrisnMich_7 Start: 5203, Stop: 5616, Start Num: 99
Candidate Starts for ChrisnMich_7:
(Start: 99 @5203 has 34 MA's), (Start: 105 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 113 @5254 has 57 MA's), (135, 5344), (148, 5401), (149, 5404), (152, 5422), (153, 5431), (156, 5455), (157, 5461), (162, 5482), (170, 5509), (182, 5539), (189, 5587),

Gene: Chuni_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Chuni_7:
(42, 3750), (Start: 46 @3765 has 3 MA's), (51, 3780), (53, 3789), (58, 3810), (72, 3870), (Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (110, 4011), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (163, 4254), (164, 4257), (166, 4263), (186, 4338),

Gene: Chunky_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Chunky_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Chute_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Chute_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: CloverMinnie_9 Start: 6416, Stop: 6754, Start Num: 114
Candidate Starts for CloverMinnie_9:
(82, 6293), (86, 6311), (Start: 92 @6338 has 1 MA's), (Start: 100 @6359 has 2 MA's), (Start: 103 @6371 has 14 MA's), (109, 6392), (Start: 114 @6416 has 10 MA's), (119, 6434), (125, 6455), (128, 6467), (130, 6473), (138, 6500), (157, 6599), (164, 6626), (180, 6665), (189, 6725), (191, 6740),

Gene: Cobra_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Cobra_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Coffee_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for Coffee_11:
(79, 7342), (81, 7351), (91, 7393), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: Colbert_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Colbert_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Coldpizza_9 Start: 6855, Stop: 7208, Start Num: 113
Candidate Starts for Coldpizza_9:
(Start: 113 @6855 has 57 MA's), (Start: 114 @6861 has 10 MA's), (122, 6888), (128, 6912), (144, 6969), (150, 6999), (160, 7053), (164, 7068), (189, 7167),

Gene: Coletti_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Coletti_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Compostia_10 Start: 5957, Stop: 6292, Start Num: 113
Candidate Starts for Compostia_10:
(Start: 113 @5957 has 57 MA's), (125, 5999), (128, 6011), (133, 6026), (138, 6044), (152, 6101), (164, 6167), (171, 6188), (183, 6224), (186, 6236), (190, 6272),

Gene: Cooper_8 Start: 5288, Stop: 5677, Start Num: 106
Candidate Starts for Cooper_8:
(87, 5225), (Start: 99 @5264 has 34 MA's), (Start: 105 @5282 has 1 MA's), (Start: 106 @5288 has 2 MA's), (Start: 113 @5315 has 57 MA's), (116, 5330), (136, 5408), (144, 5447), (152, 5483), (156, 5516), (162, 5543), (170, 5570), (182, 5600),

Gene: Cornbread_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Cornbread_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Cornobble_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Cornobble_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Corofin_10 Start: 5974, Stop: 6309, Start Num: 113
Candidate Starts for Corofin_10:
(Start: 113 @5974 has 57 MA's), (125, 6016), (128, 6028), (133, 6043), (138, 6061), (152, 6118), (164, 6184), (171, 6205), (183, 6241), (186, 6253), (190, 6289),

Gene: Cosmolli16_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Cosmolli16_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263),

Gene: Craff_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Craff_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Crownjwl_8 Start: 4200, Stop: 4646, Start Num: 96
Candidate Starts for Crownjwl_8:
(42, 3987), (Start: 46 @4002 has 3 MA's), (51, 4017), (53, 4026), (58, 4047), (72, 4107), (Start: 73 @4113 has 7 MA's), (Start: 96 @4200 has 289 MA's), (110, 4248), (124, 4311), (153, 4437), (156, 4461), (162, 4488), (163, 4491), (164, 4494), (166, 4500), (186, 4575),

Gene: D12_05 Start: 2882, Stop: 3286, Start Num: 99
Candidate Starts for D12_05:
(Start: 99 @2882 has 34 MA's), (104, 2897), (110, 2921), (Start: 118 @2951 has 1 MA's), (140, 3044), (157, 3128), (166, 3161), (178, 3185), (179, 3191), (189, 3251),

Gene: DaddyDaniels_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for DaddyDaniels_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Daffy_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Daffy_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Daisy_10 Start: 5952, Stop: 6287, Start Num: 113
Candidate Starts for Daisy_10:
(Start: 113 @5952 has 57 MA's), (125, 5994), (128, 6006), (133, 6021), (138, 6039), (152, 6096), (164, 6162), (171, 6183), (183, 6219), (186, 6231), (190, 6267),

Gene: Daka_7 Start: 3968, Stop: 4414, Start Num: 96
Candidate Starts for Daka_7:
(Start: 73 @3881 has 7 MA's), (Start: 96 @3968 has 289 MA's), (124, 4079), (153, 4205), (156, 4229), (162, 4256), (164, 4262), (166, 4268),

Gene: Dati_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Dati_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Deenasa_10 Start: 6712, Stop: 7047, Start Num: 113
Candidate Starts for Deenasa_10:
(Start: 113 @6712 has 57 MA's), (125, 6754), (128, 6766), (133, 6781), (138, 6799), (152, 6856), (164, 6922), (171, 6943), (183, 6979), (186, 6991), (190, 7027),

Gene: DelRivs_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for DelRivs_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: Derpp_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Derpp_7:

(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Devonte_10 Start: 5949, Stop: 6284, Start Num: 113
Candidate Starts for Devonte_10:
(Start: 113 @5949 has 57 MA's), (125, 5991), (128, 6003), (133, 6018), (138, 6036), (152, 6093), (164, 6159), (171, 6180), (183, 6216), (186, 6228), (190, 6264),

Gene: Dice_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Dice_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: DigitDog_9 Start: 6253, Stop: 6675, Start Num: 103
Candidate Starts for DigitDog_9:
(Start: 103 @6253 has 14 MA's), (110, 6280), (Start: 114 @6298 has 10 MA's), (133, 6376), (144, 6424), (152, 6460), (153, 6469), (156, 6493), (164, 6526), (174, 6565), (176, 6571), (190, 6652),

Gene: Dingo_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Dingo_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (163, 4253), (164, 4256), (166, 4262), (186, 4337),

Gene: Dione_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Dione_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: DirtJuice_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for DirtJuice_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Doddsville_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Doddsville_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: DoesntMatter_7 Start: 3875, Stop: 4408, Start Num: 73
Candidate Starts for DoesntMatter_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: DolOn_9 Start: 4200, Stop: 4646, Start Num: 96
Candidate Starts for DolOn_9:
(Start: 73 @4113 has 7 MA's), (Start: 96 @4200 has 289 MA's), (124, 4311), (153, 4437), (156, 4461), (162, 4488), (163, 4491), (164, 4494), (166, 4500), (186, 4575),

Gene: DonSanchon_7 Start: 3965, Stop: 4411, Start Num: 96

Candidate Starts for DonSanchon_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Donny_9 Start: 6267, Stop: 6668, Start Num: 103
Candidate Starts for Donny_9:
(Start: 103 @6267 has 14 MA's), (110, 6294), (Start: 113 @6306 has 57 MA's), (120, 6342), (133, 6390), (145, 6441), (152, 6474), (153, 6483), (156, 6507), (189, 6639), (190, 6645),

Gene: Dori_6 Start: 3274, Stop: 3681, Start Num: 97
Candidate Starts for Dori_6:
(65, 3136), (67, 3145), (Start: 97 @3274 has 5 MA's), (110, 3319), (Start: 114 @3337 has 10 MA's), (116, 3346), (119, 3364), (120, 3367), (125, 3388), (132, 3412), (144, 3463), (151, 3496), (153, 3508), (161, 3556), (164, 3565), (166, 3571), (188, 3646),

Gene: DuchessDung_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for DuchessDung_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Duggie_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Duggie_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Durga_7 Start: 3961, Stop: 4407, Start Num: 96
Candidate Starts for Durga_7:
(Start: 73 @3874 has 7 MA's), (Start: 96 @3961 has 289 MA's), (110, 4009), (153, 4198), (156, 4222), (162, 4249), (163, 4252), (164, 4255), (166, 4261), (186, 4336),

Gene: Eaglehorse_11 Start: 7381, Stop: 7719, Start Num: 117
Candidate Starts for Eaglehorse_11:
(79, 7243), (81, 7252), (91, 7294), (93, 7300), (Start: 117 @7381 has 37 MA's), (120, 7396), (130, 7435), (138, 7462), (142, 7480), (145, 7489), (147, 7498), (150, 7513), (152, 7519), (180, 7624), (182, 7636), (190, 7690),

Gene: EastView9101_9 Start: 6267, Stop: 6668, Start Num: 103
Candidate Starts for EastView9101_9:
(Start: 103 @6267 has 14 MA's), (110, 6294), (Start: 113 @6306 has 57 MA's), (120, 6342), (133, 6390), (145, 6441), (152, 6474), (153, 6483), (156, 6507), (189, 6639), (190, 6645),

Gene: ElvisPhasley_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for ElvisPhasley_7:
(42, 3753), (Start: 46 @3768 has 3 MA's), (51, 3783), (53, 3792), (58, 3813), (72, 3873), (Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (110, 4014), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: EmGer13_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for EmGer13_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Emiris_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Emiris_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: EmpTee_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for EmpTee_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: Epah_7 Start: 5221, Stop: 5616, Start Num: 105
Candidate Starts for Epah_7:
(Start: 99 @5203 has 34 MA's), (Start: 105 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 113 @5254 has 57 MA's), (135, 5344), (148, 5401), (149, 5404), (152, 5422), (153, 5431), (156, 5455), (162, 5482), (170, 5509), (182, 5539), (189, 5587),

Gene: Eremos_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Eremos_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Etaye_7 Start: 3875, Stop: 4408, Start Num: 73
Candidate Starts for Etaye_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Eugenia_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Eugenia_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: Evaa_8 Start: 6248, Stop: 6592, Start Num: 113
Candidate Starts for Evaa_8:
(Start: 113 @6248 has 57 MA's), (123, 6284), (125, 6293), (128, 6305), (130, 6311), (138, 6338), (142, 6356), (145, 6365), (151, 6392), (152, 6395), (155, 6422), (157, 6434), (162, 6455), (164, 6461), (185, 6524), (189, 6560),

Gene: Fanaw_8 Start: 6320, Stop: 6721, Start Num: 105
Candidate Starts for Fanaw_8:
(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (20, 5894), (28, 5984), (29, 6008), (31, 6020), (41, 6086), (54, 6131), (55, 6137), (57, 6146), (71, 6191), (Start: 73 @6206 has 7 MA's), (76, 6221), (80, 6236), (Start: 83 @6242 has 1 MA's), (Start: 84 @6245 has 1 MA's), (Start: 99 @6302 has 34 MA's), (Start: 105 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (108, 6332), (Start: 113 @6353 has 57 MA's), (120, 6389), (135, 6443), (156, 6554), (157, 6560), (162, 6581), (170, 6608), (180, 6626), (185, 6650), (186, 6656),

Gene: Fang_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Fang_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Faze9_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for Faze9_11:
(79, 7342), (81, 7351), (91, 7393), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: FelixTres_9 Start: 6416, Stop: 6754, Start Num: 114
Candidate Starts for FelixTres_9:
(82, 6293), (86, 6311), (Start: 92 @6338 has 1 MA's), (Start: 100 @6359 has 2 MA's), (Start: 103 @6371 has 14 MA's), (109, 6392), (Start: 114 @6416 has 10 MA's), (119, 6434), (125, 6455), (128, 6467), (130, 6473), (138, 6500), (157, 6599), (164, 6626), (180, 6665), (189, 6725), (191, 6740),

Gene: Flake_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Flake_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: FleetyMac_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for FleetyMac_7:
(42, 3750), (Start: 46 @3765 has 3 MA's), (51, 3780), (53, 3789), (58, 3810), (72, 3870), (Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (110, 4011), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: FluffyNinja_7 Start: 3876, Stop: 4409, Start Num: 73
Candidate Starts for FluffyNinja_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: ForDig_6 Start: 4751, Stop: 5182, Start Num: 94
Candidate Starts for ForDig_6:
(Start: 94 @4751 has 1 MA's), (Start: 99 @4766 has 34 MA's), (Start: 113 @4817 has 57 MA's), (115, 4826), (151, 4982), (155, 5012), (156, 5018), (182, 5102), (185, 5114), (186, 5120), (187, 5123),

Gene: Fozzie_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Fozzie_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (163, 4254), (164, 4257), (166, 4263), (186, 4338),

Gene: Frankicide_7 Start: 3967, Stop: 4413, Start Num: 96
Candidate Starts for Frankicide_7:
(Start: 73 @3880 has 7 MA's), (Start: 96 @3967 has 289 MA's), (124, 4078), (153, 4204), (156, 4228), (162, 4255), (164, 4261), (166, 4267),

Gene: Frederick_8 Start: 6302, Stop: 6721, Start Num: 99
Candidate Starts for Frederick_8:
(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (20, 5894), (28, 5984), (29, 6008), (31, 6020), (41, 6086), (44, 6101), (54, 6131), (55, 6137), (57, 6146), (61, 6164), (Start: 73 @6206 has 7 MA's), (76, 6221), (80, 6236), (Start: 83 @6242 has 1 MA's), (Start: 84 @6245 has 1 MA's), (Start: 99 @6302 has 34 MA's), (Start: 105 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (108, 6332), (Start: 113 @6353 has 57 MA's), (120, 6389), (135, 6443), (156, 6554), (157, 6560), (162, 6581), (170, 6608), (180, 6626), (185, 6650), (186, 6656),

Gene: FremontTroll_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for FremontTroll_7:

(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: FrenchFry_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for FrenchFry_11:
(79, 7342), (81, 7351), (91, 7393), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: Freya_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Freya_7:
(42, 3753), (Start: 46 @3768 has 3 MA's), (51, 3783), (53, 3792), (58, 3813), (72, 3873), (Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (110, 4014), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: FriarPreacher_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for FriarPreacher_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Fringe_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Fringe_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: FugateOSU_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for FugateOSU_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Funsized_13 Start: 8281, Stop: 8709, Start Num: 102
Candidate Starts for Funsized_13:
(Start: 102 @8281 has 2 MA's), (Start: 103 @8287 has 14 MA's), (109, 8308), (153, 8506), (156, 8530), (164, 8563), (165, 8566), (175, 8605), (176, 8608), (186, 8653),

Gene: Gadjet_11 Start: 5953, Stop: 6288, Start Num: 113
Candidate Starts for Gadjet_11:
(Start: 113 @5953 has 57 MA's), (125, 5995), (128, 6007), (133, 6022), (138, 6040), (152, 6097), (164, 6163), (171, 6184), (183, 6220), (186, 6232), (190, 6268),

Gene: Gareth_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Gareth_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: GeneCoco_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for GeneCoco_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Gervas_10 Start: 5944, Stop: 6279, Start Num: 113
Candidate Starts for Gervas_10:

(Start: 113 @5944 has 57 MA's), (125, 5986), (128, 5998), (133, 6013), (138, 6031), (152, 6088), (164, 6154), (171, 6175), (183, 6211), (186, 6223), (190, 6259),

Gene: GinPorsche_7 Start: 5203, Stop: 5616, Start Num: 99
Candidate Starts for GinPorsche_7:
(Start: 99 @5203 has 34 MA's), (Start: 105 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 113 @5254 has 57 MA's), (135, 5344), (148, 5401), (149, 5404), (152, 5422), (153, 5431), (156, 5455), (162, 5482), (170, 5509), (182, 5539), (189, 5587),

Gene: Giraffe_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Giraffe_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: Glass_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for Glass_11:
(79, 7342), (81, 7351), (91, 7393), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: GlenHope_11 Start: 5963, Stop: 6298, Start Num: 113
Candidate Starts for GlenHope_11:
(Start: 113 @5963 has 57 MA's), (125, 6005), (128, 6017), (133, 6032), (138, 6050), (152, 6107), (164, 6173), (171, 6194), (183, 6230), (186, 6242), (190, 6278),

Gene: Glubnar_10 Start: 5953, Stop: 6288, Start Num: 113
Candidate Starts for Glubnar_10:
(Start: 113 @5953 has 57 MA's), (125, 5995), (128, 6007), (133, 6022), (138, 6040), (152, 6097), (164, 6163), (183, 6220), (186, 6232), (190, 6268),

Gene: GodPhather_5 Start: 2882, Stop: 3286, Start Num: 99
Candidate Starts for GodPhather_5:
(Start: 99 @2882 has 34 MA's), (110, 2921), (Start: 118 @2951 has 1 MA's), (140, 3044), (157, 3128), (162, 3149), (166, 3161), (178, 3185), (189, 3251),

Gene: Godines_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Godines_11:
(79, 7225), (81, 7234), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: Gophee_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Gophee_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Grand2040_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Grand2040_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263),

Gene: GreenChile_8 Start: 3967, Stop: 4413, Start Num: 96
Candidate Starts for GreenChile_8:

(Start: 73 @3880 has 7 MA's), (Start: 96 @3967 has 289 MA's), (124, 4078), (153, 4204), (156, 4228), (162, 4255), (164, 4261), (166, 4267),

Gene: Gwennie1_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Gwennie1_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Gwilliam_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Gwilliam_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262),

Gene: Gyarad_007 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Gyarad_007:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: HSavage_7 Start: 3967, Stop: 4413, Start Num: 96
Candidate Starts for HSavage_7:
(Start: 73 @3880 has 7 MA's), (Start: 96 @3967 has 289 MA's), (124, 4078), (153, 4204), (156, 4228), (162, 4255), (164, 4261), (166, 4267),

Gene: Haimas_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Haimas_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Haleema_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Haleema_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Halfpint_9 Start: 5798, Stop: 6133, Start Num: 113
Candidate Starts for Halfpint_9:
(Start: 113 @5798 has 57 MA's), (125, 5840), (128, 5852), (133, 5867), (138, 5885), (152, 5942), (164, 6008), (171, 6029), (183, 6065), (186, 6077), (190, 6113),

Gene: Hally898_7 Start: 5221, Stop: 5616, Start Num: 105
Candidate Starts for Hally898_7:
(Start: 99 @5203 has 34 MA's), (Start: 105 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 113 @5254 has 57 MA's), (135, 5344), (148, 5401), (149, 5404), (152, 5422), (153, 5431), (156, 5455), (162, 5482), (170, 5509), (182, 5539), (189, 5587),

Gene: Hamish_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Hamish_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Hangman_8 Start: 6302, Stop: 6721, Start Num: 99
Candidate Starts for Hangman_8:

(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (20, 5894), (28, 5984), (29, 6008), (31, 6020), (41, 6086), (54, 6131), (55, 6137), (57, 6146), (61, 6164), (Start: 73 @6206 has 7 MA's), (76, 6221), (80, 6236), (Start: 83 @6242 has 1 MA's), (Start: 84 @6245 has 1 MA's), (Start: 99 @6302 has 34 MA's), (Start: 105 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (108, 6332), (Start: 113 @6353 has 57 MA's), (120, 6389), (135, 6443), (156, 6554), (157, 6560), (162, 6581), (170, 6608), (180, 6626), (185, 6650), (186, 6656),

Gene: Happabalu_7 Start: 3961, Stop: 4407, Start Num: 96
Candidate Starts for Happabalu_7:
(Start: 73 @3874 has 7 MA's), (Start: 96 @3961 has 289 MA's), (110, 4009), (153, 4198), (156, 4222), (162, 4249), (163, 4252), (164, 4255), (166, 4261), (186, 4336),

Gene: Hartsy_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Hartsy_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Harvey_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Harvey_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (110, 4014), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: HarveySr_10 Start: 5950, Stop: 6285, Start Num: 113
Candidate Starts for HarveySr_10:
(Start: 113 @5950 has 57 MA's), (125, 5992), (128, 6004), (133, 6019), (138, 6037), (152, 6094), (164, 6160), (171, 6181), (183, 6217), (186, 6229), (190, 6265),

Gene: Hashim76_12 Start: 5115, Stop: 5540, Start Num: 96
Candidate Starts for Hashim76_12:
(75, 5037), (Start: 96 @5115 has 289 MA's), (110, 5160), (144, 5304), (162, 5400),

Gene: Heath_8 Start: 6302, Stop: 6721, Start Num: 99
Candidate Starts for Heath_8:
(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (20, 5894), (28, 5984), (29, 6008), (31, 6020), (41, 6086), (44, 6101), (54, 6131), (55, 6137), (57, 6146), (61, 6164), (Start: 73 @6206 has 7 MA's), (76, 6221), (80, 6236), (Start: 83 @6242 has 1 MA's), (Start: 84 @6245 has 1 MA's), (Start: 99 @6302 has 34 MA's), (Start: 105 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (108, 6332), (Start: 113 @6353 has 57 MA's), (120, 6389), (135, 6443), (156, 6554), (157, 6560), (162, 6581), (170, 6608), (180, 6626), (185, 6650), (186, 6656),

Gene: Heathcliff_10 Start: 5944, Stop: 6279, Start Num: 113
Candidate Starts for Heathcliff_10:
(Start: 113 @5944 has 57 MA's), (125, 5986), (128, 5998), (133, 6013), (138, 6031), (152, 6088), (164, 6154), (171, 6175), (183, 6211), (186, 6223), (190, 6259),

Gene: Hedgerow_11 Start: 7462, Stop: 7800, Start Num: 117
Candidate Starts for Hedgerow_11:
(79, 7324), (81, 7333), (91, 7375), (93, 7381), (Start: 117 @7462 has 37 MA's), (120, 7477), (130, 7516), (138, 7543), (142, 7561), (145, 7570), (147, 7579), (150, 7594), (152, 7600), (180, 7705), (182, 7717), (190, 7771),

Gene: Hekos_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Hekos_7:

(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264),

Gene: Held_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Held_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: HenryJackson_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for HenryJackson_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Hertubise_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Hertubise_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Hetaeria_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Hetaeria_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: HighStump_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for HighStump_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Hocus_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Hocus_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: HogWash_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for HogWash_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (153, 4199), (156, 4223), (162, 4250), (163, 4253), (164, 4256), (166, 4262), (186, 4337),

Gene: Holeinone_11 Start: 7362, Stop: 7700, Start Num: 117
Candidate Starts for Holeinone_11:
(Start: 117 @7362 has 37 MA's), (120, 7377), (130, 7416), (138, 7443), (142, 7461), (145, 7470), (146, 7476), (147, 7479), (150, 7494), (151, 7497), (152, 7500), (180, 7605), (182, 7617), (190, 7671),

Gene: Horchata_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Horchata_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: Hosp_04 Start: 2968, Stop: 3384, Start Num: 99
Candidate Starts for Hosp_04:
(Start: 94 @2953 has 1 MA's), (Start: 99 @2968 has 34 MA's), (Start: 113 @3019 has 57 MA's), (115, 3028), (151, 3184), (155, 3214), (156, 3220), (157, 3226), (182, 3304), (186, 3322), (187, 3325),

Gene: Hydro_8 Start: 6299, Stop: 6718, Start Num: 99
Candidate Starts for Hydro_8:
(5, 5771), (7, 5786), (8, 5789), (10, 5819), (13, 5846), (15, 5855), (16, 5861), (17, 5867), (20, 5891), (28, 5981), (29, 6005), (31, 6017), (41, 6083), (44, 6098), (54, 6128), (55, 6134), (57, 6143), (61, 6161), (Start: 73 @6203 has 7 MA's), (76, 6218), (80, 6233), (Start: 83 @6239 has 1 MA's), (Start: 84 @6242 has 1 MA's), (Start: 99 @6299 has 34 MA's), (Start: 105 @6317 has 1 MA's), (Start: 106 @6323 has 2 MA's), (108, 6329), (Start: 113 @6350 has 57 MA's), (120, 6386), (135, 6440), (156, 6551), (157, 6557), (162, 6578), (170, 6605), (180, 6623), (185, 6647), (186, 6653),

Gene: ImtiyazSitla_7 Start: 3764, Stop: 4408, Start Num: 46
Candidate Starts for ImtiyazSitla_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Imvubu_4 Start: 3089, Stop: 3511, Start Num: 103
Candidate Starts for Imvubu_4:
(Start: 103 @3089 has 14 MA's), (125, 3185), (143, 3257), (152, 3296), (156, 3329), (164, 3362), (175, 3404), (176, 3407), (186, 3452),

Gene: Inchworm_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Inchworm_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Indlovu_8 Start: 5946, Stop: 6359, Start Num: 99
Candidate Starts for Indlovu_8:
(1, 4827), (2, 5040), (3, 5112), (12, 5490), (Start: 96 @5937 has 289 MA's), (Start: 99 @5946 has 34 MA's), (Start: 105 @5964 has 1 MA's), (112, 5994), (Start: 113 @5997 has 57 MA's), (151, 6162), (155, 6192), (156, 6198), (162, 6225), (170, 6252), (180, 6270),

Gene: Inverness_7 Start: 3967, Stop: 4413, Start Num: 96
Candidate Starts for Inverness_7:
(Start: 73 @3880 has 7 MA's), (Start: 96 @3967 has 289 MA's), (124, 4078), (153, 4204), (156, 4228), (162, 4255), (164, 4261), (166, 4267),

Gene: Iridessa_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Iridessa_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Iridoclysis_7 Start: 3969, Stop: 4415, Start Num: 96
Candidate Starts for Iridoclysis_7:
(Start: 73 @3882 has 7 MA's), (Start: 96 @3969 has 289 MA's), (124, 4080), (153, 4206), (156, 4230), (162, 4257), (164, 4263), (166, 4269), (186, 4344),

Gene: IsaacEli_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for IsaacEli_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: ItsyBitsy1_11 Start: 7354, Stop: 7692, Start Num: 117
Candidate Starts for ItsyBitsy1_11:

(79, 7216), (81, 7225), (91, 7267), (93, 7273), (Start: 117 @7354 has 37 MA's), (120, 7369), (130, 7408), (138, 7435), (142, 7453), (145, 7462), (147, 7471), (150, 7486), (152, 7492), (180, 7597), (182, 7609), (190, 7663),

Gene: JAMaL_7 Start: 5846, Stop: 6244, Start Num: 106
Candidate Starts for JAMaL_7:
(Start: 99 @5822 has 34 MA's), (Start: 105 @5840 has 1 MA's), (Start: 106 @5846 has 2 MA's), (Start: 113 @5873 has 57 MA's), (135, 5963), (141, 5993), (148, 6020), (149, 6023), (152, 6041), (156, 6074), (170, 6128), (189, 6206),

Gene: JDog_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for JDog_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: JacAttac_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for JacAttac_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Jackstina_9 Start: 5866, Stop: 6201, Start Num: 113
Candidate Starts for Jackstina_9:
(Start: 113 @5866 has 57 MA's), (125, 5908), (128, 5920), (133, 5935), (138, 5953), (152, 6010), (164, 6076), (171, 6097), (183, 6133), (186, 6145), (190, 6181),

Gene: JaguarMi_9 Start: 6144, Stop: 6545, Start Num: 105
Candidate Starts for JaguarMi_9:
(78, 6057), (Start: 83 @6066 has 1 MA's), (Start: 84 @6069 has 1 MA's), (Start: 99 @6126 has 34 MA's), (Start: 105 @6144 has 1 MA's), (Start: 106 @6150 has 2 MA's), (108, 6156), (Start: 113 @6177 has 57 MA's), (120, 6213), (135, 6267), (156, 6378), (157, 6384), (162, 6405), (170, 6432), (185, 6474), (186, 6480),

Gene: JakeO_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for JakeO_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: JangoPhett_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for JangoPhett_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263),

Gene: Jbug01_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Jbug01_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Jeon_5 Start: 2882, Stop: 3286, Start Num: 99
Candidate Starts for Jeon_5:
(Start: 99 @2882 has 34 MA's), (110, 2921), (Start: 118 @2951 has 1 MA's), (140, 3044), (157, 3128), (162, 3149), (166, 3161), (178, 3185), (189, 3251),

Gene: Jesabah_7 Start: 3966, Stop: 4412, Start Num: 96

Candidate Starts for Jesabah_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (110, 4014), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Jillium_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Jillium_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Jiminy_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Jiminy_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Jiraiya_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Jiraiya_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: JohnLord_6 Start: 2977, Stop: 3384, Start Num: 97
Candidate Starts for JohnLord_6:
(Start: 97 @2977 has 5 MA's), (110, 3022), (Start: 114 @3040 has 10 MA's), (116, 3049), (119, 3067), (120, 3070), (125, 3091), (132, 3115), (144, 3166), (150, 3196), (151, 3199), (153, 3211), (157, 3241), (161, 3259), (164, 3268), (166, 3274), (188, 3349),

Gene: Jolie1_06 Start: 4766, Stop: 5182, Start Num: 99
Candidate Starts for Jolie1_06:
(Start: 94 @4751 has 1 MA's), (Start: 99 @4766 has 34 MA's), (Start: 113 @4817 has 57 MA's), (115, 4826), (151, 4982), (155, 5012), (156, 5018), (182, 5102), (185, 5114), (186, 5120), (187, 5123),

Gene: JoyceMaria_8 Start: 6302, Stop: 6721, Start Num: 99
Candidate Starts for JoyceMaria_8:
(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (20, 5894), (28, 5984), (29, 6008), (31, 6020), (41, 6086), (54, 6131), (55, 6137), (57, 6146), (61, 6164), (Start: 73 @6206 has 7 MA's), (76, 6221), (80, 6236), (Start: 83 @6242 has 1 MA's), (Start: 84 @6245 has 1 MA's), (Start: 99 @6302 has 34 MA's), (Start: 105 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (108, 6332), (Start: 113 @6353 has 57 MA's), (120, 6389), (135, 6443), (156, 6554), (157, 6560), (162, 6581), (170, 6608), (180, 6626), (185, 6650), (186, 6656),

Gene: KLucky39_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for KLucky39_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Kahve_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Kahve_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Kailash_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Kailash_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156,

4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Kaleb_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for Kaleb_11:
(79, 7342), (81, 7351), (91, 7393), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: Kamiyu_10 Start: 5944, Stop: 6279, Start Num: 113
Candidate Starts for Kamiyu_10:
(Start: 113 @5944 has 57 MA's), (125, 5986), (128, 5998), (133, 6013), (138, 6031), (152, 6088), (164, 6154), (171, 6175), (183, 6211), (186, 6223), (190, 6259),

Gene: KarasumaRum_10 Start: 6414, Stop: 6836, Start Num: 103
Candidate Starts for KarasumaRum_10:
(Start: 103 @6414 has 14 MA's), (109, 6435), (110, 6441), (Start: 114 @6459 has 10 MA's), (133, 6537), (144, 6585), (152, 6621), (153, 6630), (156, 6654), (164, 6687), (174, 6726), (176, 6732), (190, 6813),

Gene: Karn_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Karn_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Katniss_7 Start: 3879, Stop: 4412, Start Num: 73
Candidate Starts for Katniss_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: KayaCho_6 Start: 4769, Stop: 5185, Start Num: 99
Candidate Starts for KayaCho_6:
(Start: 94 @4754 has 1 MA's), (Start: 99 @4769 has 34 MA's), (112, 4817), (Start: 113 @4820 has 57 MA's), (115, 4829), (151, 4985), (153, 4997), (155, 5015), (156, 5021), (157, 5027), (182, 5105), (185, 5117), (186, 5123), (187, 5126),

Gene: Keitherie_7 Start: 3961, Stop: 4407, Start Num: 96
Candidate Starts for Keitherie_7:
(Start: 73 @3874 has 7 MA's), (Start: 96 @3961 has 289 MA's), (124, 4072), (153, 4198), (156, 4222), (162, 4249), (164, 4255), (166, 4261), (186, 4336),

Gene: Khan1_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Khan1_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Kheth_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Kheth_11:
(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: Kikipoo_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Kikipoo_7:

(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Kimbrough_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Kimbrough_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: KingTut_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for KingTut_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: KingVeVeVe_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for KingVeVeVe_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (110, 4014), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (163, 4257), (164, 4260), (166, 4266), (186, 4341),

Gene: Kiwot_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Kiwot_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: KlimbOn_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for KlimbOn_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Kloppinator_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Kloppinator_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Knocker_13 Start: 8739, Stop: 9161, Start Num: 103
Candidate Starts for Knocker_13:
(Start: 103 @8739 has 14 MA's), (Start: 106 @8751 has 2 MA's), (109, 8760), (110, 8766), (111, 8769), (125, 8835), (129, 8850), (143, 8907), (152, 8946), (156, 8979), (158, 8991), (164, 9012), (173, 9048), (176, 9057), (177, 9060), (181, 9075), (184, 9093), (186, 9102),

Gene: Kolhan_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Kolhan_11:
(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: Kronus_9 Start: 6559, Stop: 6894, Start Num: 113
Candidate Starts for Kronus_9:
(Start: 113 @6559 has 57 MA's), (125, 6601), (128, 6613), (133, 6628), (138, 6646), (152, 6703), (164, 6769), (171, 6790), (183, 6826), (186, 6838), (190, 6874),

Gene: Kwadwo_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Kwadwo_7:

(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Kwksand96_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Kwksand96_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (163, 4253), (164, 4256), (166, 4262), (186, 4337),

Gene: Labeouficaum_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Labeouficaum_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Lambano_7 Start: 5221, Stop: 5616, Start Num: 105
Candidate Starts for Lambano_7:
(Start: 99 @5203 has 34 MA's), (Start: 105 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 113 @5254 has 57 MA's), (135, 5344), (148, 5401), (149, 5404), (152, 5422), (153, 5431), (156, 5455), (162, 5482), (170, 5509), (182, 5539), (189, 5587),

Gene: Lars_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for Lars_11:
(79, 7342), (81, 7351), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: Larson_8 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Larson_8:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: LasagnaCat_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for LasagnaCat_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Lasso_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Lasso_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Laurie_11 Start: 7364, Stop: 7702, Start Num: 117
Candidate Starts for Laurie_11:
(79, 7226), (81, 7235), (91, 7277), (93, 7283), (Start: 117 @7364 has 37 MA's), (120, 7379), (130, 7418), (138, 7445), (142, 7463), (145, 7472), (146, 7478), (147, 7481), (150, 7496), (152, 7502), (180, 7607), (182, 7619), (190, 7673),

Gene: LeeLot_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for LeeLot_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Lego3393_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Lego3393_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Legolas_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Legolas_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Lehmann_8 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Lehmann_8:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: LeiMonet_7 Start: 3961, Stop: 4407, Start Num: 96
Candidate Starts for LeiMonet_7:
(Start: 73 @3874 has 7 MA's), (Start: 96 @3961 has 289 MA's), (110, 4009), (153, 4198), (156, 4222), (162, 4249), (163, 4252), (164, 4255), (166, 4261), (186, 4336),

Gene: LemonSlice_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for LemonSlice_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Lephleur_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Lephleur_11:
(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: LestyG_10 Start: 5953, Stop: 6288, Start Num: 113
Candidate Starts for LestyG_10:
(Start: 113 @5953 has 57 MA's), (125, 5995), (128, 6007), (133, 6022), (138, 6040), (152, 6097), (164, 6163), (183, 6220), (186, 6232), (190, 6268),

Gene: LilMcDreamy_9 Start: 7042, Stop: 7443, Start Num: 103
Candidate Starts for LilMcDreamy_9:
(6, 6490), (36, 6757), (38, 6775), (101, 7033), (Start: 103 @7042 has 14 MA's), (Start: 106 @7054 has 2 MA's), (110, 7069), (Start: 113 @7081 has 57 MA's), (133, 7165), (141, 7201), (156, 7282), (164, 7315), (166, 7321), (184, 7375),

Gene: LilSmirk_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for LilSmirk_11:
(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: LittleDigger_7 Start: 5204, Stop: 5617, Start Num: 99
Candidate Starts for LittleDigger_7:
(Start: 99 @5204 has 34 MA's), (Start: 105 @5222 has 1 MA's), (Start: 106 @5228 has 2 MA's), (Start: 113 @5255 has 57 MA's), (135, 5345), (148, 5402), (149, 5405), (152, 5423), (153, 5432), (156, 5456), (162, 5483), (182, 5540), (189, 5588),

Gene: LittleMinkey_13 Start: 5315, Stop: 5740, Start Num: 96
Candidate Starts for LittleMinkey_13:
(Start: 96 @5315 has 289 MA's), (110, 5360), (162, 5600), (178, 5636), (180, 5645), (186, 5675),

Gene: LizLemon_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for LizLemon_11:
(79, 7342), (81, 7351), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: Lolalove_8 Start: 6299, Stop: 6718, Start Num: 99
Candidate Starts for Lolalove_8:
(5, 5771), (7, 5786), (8, 5789), (10, 5819), (13, 5846), (15, 5855), (16, 5861), (17, 5867), (20, 5891), (28, 5981), (29, 6005), (31, 6017), (41, 6083), (44, 6098), (54, 6128), (55, 6134), (57, 6143), (61, 6161), (Start: 73 @6203 has 7 MA's), (76, 6218), (80, 6233), (Start: 83 @6239 has 1 MA's), (Start: 84 @6242 has 1 MA's), (Start: 99 @6299 has 34 MA's), (Start: 105 @6317 has 1 MA's), (Start: 106 @6323 has 2 MA's), (108, 6329), (Start: 113 @6350 has 57 MA's), (120, 6386), (135, 6440), (156, 6551), (157, 6557), (162, 6578), (170, 6605), (180, 6623), (185, 6647), (186, 6653),

Gene: Longacauda_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Longacauda_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Lopsy_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Lopsy_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: LostAndPhound_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for LostAndPhound_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: LuckyMarjie_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for LuckyMarjie_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Lulumae_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Lulumae_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: Lulwa_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Lulwa_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Lumine_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Lumine_7:

(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: MRabcd_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for MRabcd_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Mag7_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Mag7_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Magic8_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Magic8_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Magpie_8 Start: 6457, Stop: 6876, Start Num: 99
Candidate Starts for Magpie_8:
(78, 6388), (Start: 83 @6397 has 1 MA's), (Start: 84 @6400 has 1 MA's), (Start: 99 @6457 has 34 MA's), (Start: 105 @6475 has 1 MA's), (Start: 106 @6481 has 2 MA's), (108, 6487), (Start: 113 @6508 has 57 MA's), (120, 6544), (135, 6598), (156, 6709), (157, 6715), (162, 6736), (170, 6763), (180, 6781), (185, 6805), (186, 6811),

Gene: MakoManhole_9 Start: 6416, Stop: 6754, Start Num: 114
Candidate Starts for MakoManhole_9:
(82, 6293), (86, 6311), (Start: 92 @6338 has 1 MA's), (Start: 100 @6359 has 2 MA's), (Start: 103 @6371 has 14 MA's), (109, 6392), (Start: 114 @6416 has 10 MA's), (119, 6434), (125, 6455), (128, 6467), (130, 6473), (138, 6500), (157, 6599), (164, 6626), (180, 6665), (189, 6725), (191, 6740),

Gene: Mana_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Mana_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Manad_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Manad_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Mao1_5 Start: 3670, Stop: 4077, Start Num: 97
Candidate Starts for Mao1_5:
(88, 3637), (Start: 97 @3670 has 5 MA's), (110, 3715), (Start: 114 @3733 has 10 MA's), (116, 3742), (119, 3760), (120, 3763), (124, 3778), (149, 3877), (151, 3892), (154, 3907), (161, 3952), (164, 3961), (166, 3967), (188, 4042),

Gene: Marley1013_10 Start: 6739, Stop: 7074, Start Num: 113
Candidate Starts for Marley1013_10:
(Start: 113 @6739 has 57 MA's), (125, 6781), (128, 6793), (133, 6808), (138, 6826), (152, 6883), (164, 6949), (171, 6970), (183, 7006), (186, 7018), (190, 7054),

Gene: Marlia_10 Start: 5944, Stop: 6279, Start Num: 113
Candidate Starts for Marlia_10:
(Start: 113 @5944 has 57 MA's), (125, 5986), (128, 5998), (133, 6013), (138, 6031), (152, 6088), (164, 6154), (171, 6175), (183, 6211), (186, 6223), (190, 6259),

Gene: Maru_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Maru_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263),

Gene: Mask_6 Start: 3671, Stop: 4078, Start Num: 97
Candidate Starts for Mask_6:
(88, 3638), (Start: 97 @3671 has 5 MA's), (110, 3716), (Start: 114 @3734 has 10 MA's), (116, 3743), (119, 3761), (120, 3764), (124, 3779), (149, 3878), (151, 3893), (154, 3908), (161, 3953), (164, 3962), (166, 3968), (188, 4043),

Gene: Maskar_7 Start: 3764, Stop: 4408, Start Num: 46
Candidate Starts for Maskar_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: MasterPo_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for MasterPo_11:
(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: Matalotodo_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Matalotodo_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: Mcshane_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Mcshane_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Mecca_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Mecca_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Megabear_5 Start: 2882, Stop: 3286, Start Num: 99
Candidate Starts for Megabear_5:
(Start: 99 @2882 has 34 MA's), (104, 2897), (110, 2921), (Start: 118 @2951 has 1 MA's), (140, 3044), (157, 3128), (166, 3161), (178, 3185), (179, 3191), (189, 3251),

Gene: Megamind20_8 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Megamind20_8:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Megatron_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Megatron_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Melc17_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Melc17_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (163, 4253), (164, 4256), (166, 4262), (186, 4337),

Gene: MelsMeow_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for MelsMeow_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (163, 4253), (164, 4256), (166, 4262), (186, 4337),

Gene: Mesh1_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Mesh1_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Mesmerelda_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Mesmerelda_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: MichaelPhcott_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for MichaelPhcott_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Mikota_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Mikota_7:
(42, 3750), (Start: 46 @3765 has 3 MA's), (51, 3780), (53, 3789), (58, 3810), (72, 3870), (Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (163, 4254), (164, 4257), (166, 4263), (186, 4338),

Gene: MiniBoss_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for MiniBoss_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Minnow_6 Start: 4769, Stop: 5185, Start Num: 99
Candidate Starts for Minnow_6:
(Start: 94 @4754 has 1 MA's), (Start: 99 @4769 has 34 MA's), (112, 4817), (Start: 113 @4820 has 57 MA's), (115, 4829), (151, 4985), (153, 4997), (155, 5015), (156, 5021), (157, 5027), (179, 5090), (182, 5105), (185, 5117), (186, 5123), (187, 5126),

Gene: MitKao_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for MitKao_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Mithril_8 Start: 6302, Stop: 6721, Start Num: 99
Candidate Starts for Mithril_8:
(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (18, 5879), (20, 5894), (28, 5984), (29, 6008), (31, 6020), (41, 6086), (44, 6101), (54, 6131), (55, 6137), (57, 6146), (71, 6191), (Start: 73 @6206 has 7 MA's), (76, 6221), (80, 6236), (Start: 83 @6242 has 1 MA's), (Start: 84 @6245 has 1 MA's), (Start: 99 @6302 has 34 MA's), (Start: 105 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (108, 6332), (Start: 113 @6353 has 57 MA's), (120, 6389), (135, 6443), (149, 6503), (156, 6554), (157, 6560), (162, 6581), (170, 6608), (180, 6626), (185, 6650), (186, 6656),

Gene: MmasiCarm_10 Start: 5949, Stop: 6284, Start Num: 113
Candidate Starts for MmasiCarm_10:
(Start: 113 @5949 has 57 MA's), (125, 5991), (128, 6003), (133, 6018), (138, 6036), (152, 6093), (164, 6159), (171, 6180), (183, 6216), (186, 6228), (190, 6264),

Gene: Morgushi_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Morgushi_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (186, 4338),

Gene: Mortcellus_9 Start: 6587, Stop: 6922, Start Num: 113
Candidate Starts for Mortcellus_9:
(Start: 113 @6587 has 57 MA's), (125, 6629), (128, 6641), (133, 6656), (138, 6674), (152, 6731), (164, 6797), (171, 6818), (183, 6854), (186, 6866), (190, 6902),

Gene: Morty_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Morty_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Morty007_10 Start: 6739, Stop: 7074, Start Num: 113
Candidate Starts for Morty007_10:
(Start: 113 @6739 has 57 MA's), (125, 6781), (128, 6793), (133, 6808), (138, 6826), (152, 6883), (164, 6949), (171, 6970), (183, 7006), (186, 7018), (190, 7054),

Gene: Mosaic_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Mosaic_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: MossRose_9 Start: 6416, Stop: 6754, Start Num: 114
Candidate Starts for MossRose_9:
(82, 6293), (86, 6311), (Start: 92 @6338 has 1 MA's), (Start: 100 @6359 has 2 MA's), (Start: 103 @6371 has 14 MA's), (109, 6392), (Start: 114 @6416 has 10 MA's), (119, 6434), (125, 6455), (128, 6467), (130, 6473), (138, 6500), (157, 6599), (164, 6626), (180, 6665), (188, 6707), (189, 6725), (191, 6740),

Gene: MrPhizzler_7 Start: 3961, Stop: 4407, Start Num: 96
Candidate Starts for MrPhizzler_7:

(Start: 73 @3874 has 7 MA's), (Start: 96 @3961 has 289 MA's), (110, 4009), (153, 4198), (156, 4222), (162, 4249), (163, 4252), (164, 4255), (166, 4261), (186, 4336),

Gene: Mudslide_8 Start: 6550, Stop: 6969, Start Num: 99
Candidate Starts for Mudslide_8:
(77, 6478), (Start: 99 @6550 has 34 MA's), (Start: 105 @6568 has 1 MA's), (Start: 106 @6574 has 2 MA's), (108, 6580), (Start: 113 @6601 has 57 MA's), (120, 6637), (135, 6691), (156, 6802), (157, 6808), (162, 6829), (170, 6856), (180, 6874), (185, 6898), (186, 6904),

Gene: Mulan_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Mulan_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Mulaychimus_10 Start: 5950, Stop: 6285, Start Num: 113
Candidate Starts for Mulaychimus_10:
(Start: 113 @5950 has 57 MA's), (125, 5992), (128, 6004), (133, 6019), (138, 6037), (152, 6094), (164, 6160), (171, 6181), (183, 6217), (186, 6229), (190, 6265),

Gene: Murdoc_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Murdoc_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Mutante_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Mutante_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Mysterious_9 Start: 6540, Stop: 6941, Start Num: 103
Candidate Starts for Mysterious_9:
(Start: 103 @6540 has 14 MA's), (Start: 106 @6552 has 2 MA's), (109, 6561), (110, 6567), (Start: 113 @6579 has 57 MA's), (133, 6663), (141, 6699), (145, 6714), (152, 6747), (153, 6756), (156, 6780), (158, 6792), (166, 6819), (186, 6882), (190, 6918),

Gene: NHagos_7 Start: 4896, Stop: 5237, Start Num: 113
Candidate Starts for NHagos_7:
(Start: 113 @4896 has 57 MA's), (Start: 114 @4902 has 10 MA's), (121, 4926), (125, 4941), (126, 4944), (128, 4953), (141, 4998), (146, 5019), (157, 5082), (164, 5109), (189, 5208), (192, 5226),

Gene: Nacho_007 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Nacho_007:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Nanao_7 Start: 5221, Stop: 5616, Start Num: 105
Candidate Starts for Nanao_7:
(Start: 99 @5203 has 34 MA's), (Start: 105 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 113 @5254 has 57 MA's), (135, 5344), (148, 5401), (149, 5404), (152, 5422), (153, 5431), (156, 5455), (162, 5482), (170, 5509), (182, 5539), (189, 5587),

Gene: Nangang_9 Start: 6253, Stop: 6675, Start Num: 103
Candidate Starts for Nangang_9:

(Start: 103 @6253 has 14 MA's), (110, 6280), (Start: 114 @6298 has 10 MA's), (133, 6376), (144, 6424), (152, 6460), (153, 6469), (156, 6493), (164, 6526), (174, 6565), (176, 6571), (190, 6652),

Gene: Nathan_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Nathan_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (163, 4254), (164, 4257), (166, 4263), (186, 4338),

Gene: Nehemiah_8 Start: 6540, Stop: 6941, Start Num: 103
Candidate Starts for Nehemiah_8:
(Start: 103 @6540 has 14 MA's), (Start: 106 @6552 has 2 MA's), (109, 6561), (110, 6567), (Start: 113 @6579 has 57 MA's), (133, 6663), (152, 6747), (153, 6756), (156, 6780), (158, 6792), (166, 6819), (186, 6882), (190, 6918),

Gene: Nehme_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Nehme_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Neos5_10 Start: 6739, Stop: 7074, Start Num: 113
Candidate Starts for Neos5_10:
(Start: 113 @6739 has 57 MA's), (125, 6781), (128, 6793), (133, 6808), (138, 6826), (152, 6883), (164, 6949), (171, 6970), (183, 7006), (186, 7018), (190, 7054),

Gene: Newman_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Newman_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: NiaNia_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for NiaNia_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Nicole21_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Nicole21_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263),

Gene: Nigel_6 Start: 5100, Stop: 5522, Start Num: 99
Candidate Starts for Nigel_6:
(Start: 99 @5100 has 34 MA's), (Start: 105 @5118 has 1 MA's), (Start: 106 @5124 has 2 MA's), (Start: 113 @5151 has 57 MA's), (135, 5241), (141, 5271), (148, 5298), (149, 5301), (152, 5319), (156, 5352), (162, 5379), (170, 5406), (189, 5484),

Gene: Nova1_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Nova1_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Nozo_10 Start: 6711, Stop: 7046, Start Num: 113
Candidate Starts for Nozo_10:

(Start: 113 @6711 has 57 MA's), (125, 6753), (128, 6765), (133, 6780), (138, 6798), (152, 6855), (164, 6921), (171, 6942), (183, 6978), (186, 6990), (190, 7026),

Gene: Numberten_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Numberten_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Nyala_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Nyala_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: OSmaximus_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for OSmaximus_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (163, 4254), (164, 4257), (166, 4263), (186, 4338),

Gene: Obutu_10 Start: 5950, Stop: 6285, Start Num: 113
Candidate Starts for Obutu_10:
(Start: 113 @5950 has 57 MA's), (125, 5992), (128, 6004), (133, 6019), (138, 6037), (152, 6094), (164, 6160), (171, 6181), (183, 6217), (186, 6229), (190, 6265),

Gene: Olak_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Olak_7:
(42, 3750), (Start: 46 @3765 has 3 MA's), (51, 3780), (53, 3789), (58, 3810), (72, 3870), (Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (110, 4011), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (163, 4254), (164, 4257), (166, 4263), (186, 4338),

Gene: Oline_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Oline_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Olive_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Olive_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: OliverWalter_7 Start: 3961, Stop: 4407, Start Num: 96
Candidate Starts for OliverWalter_7:
(Start: 73 @3874 has 7 MA's), (Start: 96 @3961 has 289 MA's), (124, 4072), (153, 4198), (156, 4222), (162, 4249), (164, 4255), (166, 4261),

Gene: Olivio_9 Start: 5798, Stop: 6133, Start Num: 113
Candidate Starts for Olivio_9:
(Start: 113 @5798 has 57 MA's), (125, 5840), (128, 5852), (133, 5867), (138, 5885), (152, 5942), (164, 6008), (171, 6029), (183, 6065), (186, 6077), (190, 6113),

Gene: Omniscient_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Omniscient_7:

(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: OneBrain_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for OneBrain_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264),

Gene: Oosterbaan_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Oosterbaan_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Opia_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Opia_11:
(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: OrangeOswald_10 Start: 5949, Stop: 6284, Start Num: 113
Candidate Starts for OrangeOswald_10:
(Start: 113 @5949 has 57 MA's), (125, 5991), (128, 6003), (133, 6018), (138, 6036), (152, 6093), (164, 6159), (171, 6180), (183, 6216), (186, 6228), (190, 6264),

Gene: Orfeu_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Orfeu_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: Orion_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Orion_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Orwigg_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Orwigg_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: PG1_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for PG1_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: PR_05 Start: 2882, Stop: 3286, Start Num: 99
Candidate Starts for PR_05:
(Start: 99 @2882 has 34 MA's), (104, 2897), (110, 2921), (Start: 118 @2951 has 1 MA's), (140, 3044), (157, 3128), (166, 3161), (178, 3185), (179, 3191), (189, 3251),

Gene: Pacifista_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Pacifista_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (163, 4253), (164, 4256), (166, 4262), (186, 4337),

Gene: PallasAthena_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for PallasAthena_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: PenguinLover67_11 Start: 7154, Stop: 7573, Start Num: 97
Candidate Starts for PenguinLover67_11:
(33, 6878), (43, 6944), (49, 6962), (55, 6986), (59, 7001), (60, 7004), (62, 7016), (65, 7022), (66, 7025), (68, 7034), (Start: 73 @7064 has 7 MA's), (74, 7070), (76, 7079), (Start: 83 @7103 has 1 MA's), (Start: 97 @7154 has 5 MA's), (112, 7208), (Start: 113 @7211 has 57 MA's), (144, 7343), (151, 7376), (155, 7406), (156, 7412), (157, 7418), (162, 7439), (170, 7466),

Gene: Phaedrus_9 Start: 5866, Stop: 6201, Start Num: 113
Candidate Starts for Phaedrus_9:
(Start: 113 @5866 has 57 MA's), (125, 5908), (128, 5920), (133, 5935), (138, 5953), (152, 6010), (164, 6076), (171, 6097), (183, 6133), (186, 6145), (190, 6181),

Gene: Phamished_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Phamished_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Phantasmagoria_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Phantasmagoria_11:
(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: Phareon_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Phareon_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: PhatCats2014_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for PhatCats2014_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: PhatLouie_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for PhatLouie_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Phayeta_10 Start: 5825, Stop: 6160, Start Num: 113
Candidate Starts for Phayeta_10:
(Start: 113 @5825 has 57 MA's), (125, 5867), (128, 5879), (133, 5894), (138, 5912), (152, 5969), (164, 6035), (171, 6056), (183, 6092), (186, 6104), (190, 6140),

Gene: Phelemich_9 Start: 6543, Stop: 6944, Start Num: 103
Candidate Starts for Phelemich_9:
(Start: 103 @6543 has 14 MA's), (Start: 106 @6555 has 2 MA's), (108, 6561), (109, 6564), (Start: 113 @6582 has 57 MA's), (133, 6666), (141, 6702), (145, 6717), (152, 6750), (153, 6759), (156, 6783),

(186, 6885), (190, 6921),

Gene: PhenghisKhan_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for PhenghisKhan_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Pherdinand_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Pherdinand_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Phergie_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Phergie_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Philly_9 Start: 5839, Stop: 6174, Start Num: 113
Candidate Starts for Philly_9:
(Start: 113 @5839 has 57 MA's), (125, 5881), (128, 5893), (133, 5908), (138, 5926), (152, 5983), (164, 6049), (171, 6070), (183, 6106), (186, 6118), (190, 6154),

Gene: Phipps_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Phipps_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Phleuron_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Phleuron_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Phlyer_10 Start: 6706, Stop: 7041, Start Num: 113
Candidate Starts for Phlyer_10:
(Start: 113 @6706 has 57 MA's), (125, 6748), (128, 6760), (133, 6775), (138, 6793), (152, 6850), (164, 6916), (171, 6937), (183, 6973), (186, 6985), (190, 7021),

Gene: PhrankReynolds_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for PhrankReynolds_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: PhrodoBaggins_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for PhrodoBaggins_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Phunky_7 Start: 3965, Stop: 4411, Start Num: 96

Candidate Starts for Phunky_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Piglet_007 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Piglet_007:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: PinheadLarry_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for PinheadLarry_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Pinkman_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Pinkman_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Pipefish_10 Start: 6844, Stop: 7179, Start Num: 113
Candidate Starts for Pipefish_10:
(Start: 113 @6844 has 57 MA's), (125, 6886), (128, 6898), (133, 6913), (138, 6931), (152, 6988), (164, 7054), (171, 7075), (183, 7111), (186, 7123), (190, 7159),

Gene: Pipsqueak_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Pipsqueak_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Placalicious_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Placalicious_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Plata_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Plata_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Plmatters_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Plmatters_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Podrick_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Podrick_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Pops_7 Start: 3965, Stop: 4411, Start Num: 96

Candidate Starts for Pops_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265),

Gene: Poster_7 Start: 5221, Stop: 5616, Start Num: 105
Candidate Starts for Poster_7:
(Start: 99 @5203 has 34 MA's), (Start: 105 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 113 @5254 has 57 MA's), (135, 5344), (148, 5401), (149, 5404), (152, 5422), (153, 5431), (156, 5455), (162, 5482), (170, 5509), (182, 5539), (189, 5587),

Gene: Potter_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Potter_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Prickles_7 Start: 3971, Stop: 4417, Start Num: 96
Candidate Starts for Prickles_7:
(Start: 73 @3884 has 7 MA's), (Start: 96 @3971 has 289 MA's), (124, 4082), (153, 4208), (156, 4232), (162, 4259), (164, 4265), (166, 4271),

Gene: Prince_8 Start: 6462, Stop: 6881, Start Num: 99
Candidate Starts for Prince_8:
(72, 6366), (74, 6378), (Start: 99 @6462 has 34 MA's), (Start: 105 @6480 has 1 MA's), (Start: 106 @6486 has 2 MA's), (108, 6492), (Start: 113 @6513 has 57 MA's), (120, 6549), (135, 6603), (156, 6714), (157, 6720), (162, 6741), (170, 6768), (180, 6786), (185, 6810), (186, 6816),

Gene: PrinceCharming_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for PrinceCharming_11:
(79, 7342), (81, 7351), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: ProfessorX_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for ProfessorX_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Puhltonio_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Puhltonio_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: QueenBeane_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for QueenBeane_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: QueenPie_8 Start: 6109, Stop: 6507, Start Num: 105
Candidate Starts for QueenPie_8:
(Start: 99 @6091 has 34 MA's), (Start: 105 @6109 has 1 MA's), (Start: 106 @6115 has 2 MA's), (Start: 113 @6142 has 57 MA's), (134, 6229), (152, 6310), (153, 6319), (156, 6343), (162, 6370), (170, 6397), (182, 6427), (189, 6475),

Gene: Quesadilla_10 Start: 6979, Stop: 7392, Start Num: 99
Candidate Starts for Quesadilla_10:
(39, 6742), (43, 6766), (47, 6772), (50, 6781), (52, 6787), (55, 6802), (62, 6832), (65, 6838), (66, 6841), (Start: 73 @6880 has 7 MA's), (74, 6886), (76, 6895), (Start: 83 @6919 has 1 MA's), (Start: 96 @6970 has 289 MA's), (Start: 99 @6979 has 34 MA's), (Start: 113 @7030 has 57 MA's), (115, 7039), (135, 7120), (139, 7138), (148, 7177), (151, 7195), (156, 7231), (157, 7237), (180, 7303), (186, 7333),

Gene: Quisquiliae_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Quisquiliae_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Qyrzula_11 Start: 7453, Stop: 7791, Start Num: 117
Candidate Starts for Qyrzula_11:
(79, 7315), (81, 7324), (93, 7372), (Start: 117 @7453 has 37 MA's), (120, 7468), (130, 7507), (138, 7534), (142, 7552), (145, 7561), (147, 7570), (150, 7585), (152, 7591), (180, 7696), (182, 7708), (190, 7762),

Gene: RagingRooster_10 Start: 5950, Stop: 6285, Start Num: 113
Candidate Starts for RagingRooster_10:
(Start: 113 @5950 has 57 MA's), (125, 5992), (128, 6004), (133, 6019), (138, 6037), (152, 6094), (164, 6160), (171, 6181), (183, 6217), (186, 6229), (190, 6265),

Gene: RawrgerThat_8 Start: 6296, Stop: 6715, Start Num: 99
Candidate Starts for RawrgerThat_8:
(4, 5729), (5, 5771), (7, 5786), (8, 5789), (10, 5819), (13, 5846), (15, 5855), (16, 5861), (17, 5867), (20, 5891), (28, 5981), (29, 6005), (32, 6023), (35, 6032), (41, 6080), (44, 6095), (54, 6125), (55, 6131), (57, 6140), (61, 6158), (Start: 73 @6200 has 7 MA's), (76, 6215), (80, 6230), (Start: 83 @6236 has 1 MA's), (Start: 84 @6239 has 1 MA's), (Start: 99 @6296 has 34 MA's), (Start: 105 @6314 has 1 MA's), (Start: 106 @6320 has 2 MA's), (108, 6326), (Start: 113 @6347 has 57 MA's), (120, 6383), (135, 6437), (156, 6548), (157, 6554), (170, 6602), (180, 6620), (185, 6644), (186, 6650),

Gene: Reccee_9 Start: 6426, Stop: 6848, Start Num: 103
Candidate Starts for Reccee_9:
(Start: 103 @6426 has 14 MA's), (110, 6453), (Start: 114 @6471 has 10 MA's), (133, 6549), (144, 6597), (152, 6633), (153, 6642), (156, 6666), (164, 6699), (174, 6738), (176, 6744), (190, 6825),

Gene: RedMaple_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for RedMaple_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (161, 4247), (162, 4250), (164, 4256), (166, 4262),

Gene: RedRaider89_8 Start: 4197, Stop: 4643, Start Num: 96
Candidate Starts for RedRaider89_8:
(Start: 73 @4110 has 7 MA's), (Start: 96 @4197 has 289 MA's), (124, 4308), (153, 4434), (156, 4458), (162, 4485), (163, 4488), (164, 4491), (166, 4497), (186, 4572),

Gene: Renkei_7 Start: 5204, Stop: 5617, Start Num: 99
Candidate Starts for Renkei_7:
(Start: 99 @5204 has 34 MA's), (Start: 105 @5222 has 1 MA's), (Start: 106 @5228 has 2 MA's), (Start: 113 @5255 has 57 MA's), (135, 5345), (148, 5402), (149, 5405), (152, 5423), (153, 5432), (156, 5456), (162, 5483), (182, 5540), (189, 5588),

Gene: Reprobate_9 Start: 6540, Stop: 6941, Start Num: 103
Candidate Starts for Reprobate_9:
(Start: 103 @6540 has 14 MA's), (Start: 106 @6552 has 2 MA's), (108, 6558), (109, 6561), (Start: 113 @6579 has 57 MA's), (133, 6663), (141, 6699), (145, 6714), (152, 6747), (153, 6756), (156, 6780), (186, 6882), (190, 6918),

Gene: Rhinoforte_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for Rhinoforte_11:
(79, 7342), (81, 7351), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (146, 7594), (147, 7597), (150, 7612), (151, 7615), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: Rich_9 Start: 6268, Stop: 6669, Start Num: 103
Candidate Starts for Rich_9:
(Start: 103 @6268 has 14 MA's), (110, 6295), (120, 6343), (133, 6391), (145, 6442), (152, 6475), (153, 6484), (156, 6508), (165, 6544), (190, 6646),

Gene: Ricotta_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Ricotta_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Riggan_7 Start: 3969, Stop: 4415, Start Num: 96
Candidate Starts for Riggan_7:
(Start: 73 @3882 has 7 MA's), (Start: 96 @3969 has 289 MA's), (124, 4080), (153, 4206), (156, 4230), (162, 4257), (164, 4263), (166, 4269), (186, 4344),

Gene: Rimu_7 Start: 3961, Stop: 4407, Start Num: 96
Candidate Starts for Rimu_7:
(Start: 73 @3874 has 7 MA's), (Start: 96 @3961 has 289 MA's), (110, 4009), (153, 4198), (156, 4222), (162, 4249), (163, 4252), (164, 4255), (166, 4261), (186, 4336),

Gene: Rinkes_12 Start: 8096, Stop: 8527, Start Num: 102
Candidate Starts for Rinkes_12:
(Start: 102 @8096 has 2 MA's), (Start: 103 @8102 has 14 MA's), (109, 8123), (129, 8213), (152, 8312), (156, 8345), (164, 8378), (177, 8426), (180, 8438),

Gene: Rita130_9 Start: 6267, Stop: 6668, Start Num: 103
Candidate Starts for Rita130_9:
(Start: 103 @6267 has 14 MA's), (110, 6294), (Start: 113 @6306 has 57 MA's), (120, 6342), (133, 6390), (145, 6441), (152, 6474), (153, 6483), (156, 6507), (189, 6639), (190, 6645),

Gene: Rita1961_10 Start: 5950, Stop: 6285, Start Num: 113
Candidate Starts for Rita1961_10:
(Start: 113 @5950 has 57 MA's), (125, 5992), (128, 6004), (133, 6019), (138, 6037), (152, 6094), (164, 6160), (171, 6181), (183, 6217), (186, 6229), (190, 6265),

Gene: Riverton_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Riverton_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Robyn_7 Start: 3967, Stop: 4413, Start Num: 96
Candidate Starts for Robyn_7:
(Start: 73 @3880 has 7 MA's), (Start: 96 @3967 has 289 MA's), (124, 4078), (153, 4204), (156, 4228), (162, 4255), (164, 4261), (166, 4267),

Gene: Roliet_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Roliet_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: RomaT_10 Start: 6712, Stop: 7047, Start Num: 113
Candidate Starts for RomaT_10:
(Start: 113 @6712 has 57 MA's), (125, 6754), (128, 6766), (133, 6781), (138, 6799), (152, 6856), (164, 6922), (171, 6943), (183, 6979), (186, 6991), (190, 7027),

Gene: Roscoe_8 Start: 4200, Stop: 4646, Start Num: 96
Candidate Starts for Roscoe_8:
(42, 3987), (Start: 46 @4002 has 3 MA's), (51, 4017), (53, 4026), (58, 4047), (72, 4107), (Start: 73 @4113 has 7 MA's), (Start: 96 @4200 has 289 MA's), (110, 4248), (124, 4311), (153, 4437), (156, 4461), (162, 4488), (163, 4491), (164, 4494), (166, 4500), (186, 4575),

Gene: Rosebush_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for Rosebush_11:
(79, 7342), (81, 7351), (91, 7393), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: Roy17_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Roy17_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: SDcharge11_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for SDcharge11_7:
(72, 3871), (Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Sabella_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Sabella_11:
(79, 7225), (81, 7234), (91, 7276), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: Saguaro_10 Start: 7187, Stop: 7600, Start Num: 99
Candidate Starts for Saguaro_10:
(74, 7094), (76, 7103), (Start: 83 @7127 has 1 MA's), (Start: 84 @7130 has 1 MA's), (Start: 99 @7187 has 34 MA's), (Start: 113 @7238 has 57 MA's), (115, 7247), (144, 7370), (148, 7385), (151, 7403), (155, 7433), (156, 7439), (162, 7466), (169, 7490), (170, 7493),

Gene: Salazzle_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Salazzle_7:

(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: SallyH_8 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for SallyH_8:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263),

Gene: Samaymay_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Samaymay_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: SassyCat97_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for SassyCat97_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Schadenfreude_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Schadenfreude_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Schueller_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Schueller_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Scoot17C_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Scoot17C_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: Scrick_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Scrick_7:
(42, 3753), (Start: 46 @3768 has 3 MA's), (51, 3783), (53, 3792), (58, 3813), (72, 3873), (Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (110, 4014), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (163, 4257), (164, 4260), (166, 4266), (186, 4341),

Gene: Sejanus_6 Start: 3671, Stop: 4078, Start Num: 97
Candidate Starts for Sejanus_6:
(88, 3638), (Start: 97 @3671 has 5 MA's), (110, 3716), (Start: 114 @3734 has 10 MA's), (116, 3743), (119, 3761), (120, 3764), (124, 3779), (149, 3878), (151, 3893), (154, 3908), (161, 3953), (164, 3962), (166, 3968), (188, 4043),

Gene: Selr12_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Selr12_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (110, 4013), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Septica_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Septica_7:

(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (124, 4075), (153, 4201), (156, 4225), (157, 4231), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: Serendipitous_9 Start: 6319, Stop: 6720, Start Num: 103
Candidate Starts for Serendipitous_9:
(Start: 103 @6319 has 14 MA's), (110, 6346), (120, 6394), (133, 6442), (141, 6478), (145, 6493), (152, 6526), (153, 6535), (156, 6559), (189, 6691), (190, 6697),

Gene: Serendipity_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Serendipity_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Serpentine_007 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Serpentine_007:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: ShadowBud_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for ShadowBud_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Sheila_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Sheila_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Shenandoah_10 Start: 5949, Stop: 6284, Start Num: 113
Candidate Starts for Shenandoah_10:
(Start: 113 @5949 has 57 MA's), (125, 5991), (128, 6003), (133, 6018), (138, 6036), (152, 6093), (164, 6159), (171, 6180), (183, 6216), (186, 6228), (190, 6264),

Gene: Shenyu_9 Start: 6253, Stop: 6675, Start Num: 103
Candidate Starts for Shenyu_9:
(Start: 103 @6253 has 14 MA's), (110, 6280), (Start: 114 @6298 has 10 MA's), (133, 6376), (144, 6424), (152, 6460), (153, 6469), (156, 6493), (164, 6526), (174, 6565), (176, 6571), (190, 6652),

Gene: ShiVal_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for ShiVal_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Sigman_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Sigman_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: SilverBell_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for SilverBell_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Simielle_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Simielle_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: SirBeauregard_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for SirBeauregard_7:
(42, 3750), (Start: 46 @3765 has 3 MA's), (51, 3780), (53, 3789), (58, 3810), (72, 3870), (Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (110, 4011), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (163, 4254), (164, 4257), (166, 4263), (186, 4338),

Gene: SirJeffery_9 Start: 6267, Stop: 6668, Start Num: 103
Candidate Starts for SirJeffery_9:
(Start: 103 @6267 has 14 MA's), (110, 6294), (Start: 113 @6306 has 57 MA's), (120, 6342), (133, 6390), (145, 6441), (152, 6474), (153, 6483), (156, 6507), (189, 6639), (190, 6645),

Gene: Skippy_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Skippy_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Slatt_7 Start: 3967, Stop: 4413, Start Num: 96
Candidate Starts for Slatt_7:
(Start: 73 @3880 has 7 MA's), (Start: 96 @3967 has 289 MA's), (124, 4078), (153, 4204), (156, 4228), (162, 4255), (164, 4261), (166, 4267), (186, 4342),

Gene: SlippinJimmy_10 Start: 6711, Stop: 7046, Start Num: 113
Candidate Starts for SlippinJimmy_10:
(Start: 113 @6711 has 57 MA's), (125, 6753), (128, 6765), (133, 6780), (138, 6798), (152, 6855), (164, 6921), (171, 6942), (183, 6978), (186, 6990), (190, 7026),

Gene: Soile_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Soile_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: Solosis_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Solosis_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Sophia_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Sophia_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Soto_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Soto_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (163, 4253), (164, 4256), (166, 4262), (186, 4337),

Gene: Sour_10 Start: 6612, Stop: 6938, Start Num: 118

Candidate Starts for Sour_10:
(Start: 114 @6600 has 10 MA's), (Start: 118 @6612 has 1 MA's), (121, 6624), (123, 6630), (127, 6648), (128, 6651), (130, 6657), (131, 6660), (138, 6684), (145, 6711), (146, 6717), (157, 6780), (178, 6837), (189, 6906),

Gene: Spartan300_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Spartan300_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Squid_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Squid_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Squiggle_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Squiggle_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: StAugustine_13 Start: 8961, Stop: 9371, Start Num: 100
Candidate Starts for StAugustine_13:
(14, 8484), (19, 8511), (22, 8535), (24, 8550), (25, 8556), (27, 8589), (34, 8670), (40, 8718), (45, 8736), (56, 8778), (63, 8802), (70, 8832), (85, 8904), (87, 8919), (Start: 100 @8961 has 2 MA's), (Start: 113 @9012 has 57 MA's), (143, 9144), (155, 9207), (156, 9213), (168, 9261),

Gene: Stinger_6 Start: 4739, Stop: 5161, Start Num: 99
Candidate Starts for Stinger_6:
(Start: 99 @4739 has 34 MA's), (Start: 105 @4757 has 1 MA's), (Start: 106 @4763 has 2 MA's), (Start: 113 @4790 has 57 MA's), (135, 4880), (141, 4910), (148, 4937), (149, 4940), (152, 4958), (156, 4991), (170, 5045), (186, 5093), (189, 5123),

Gene: StinkyVeggy_10 Start: 6414, Stop: 6836, Start Num: 103
Candidate Starts for StinkyVeggy_10:
(Start: 103 @6414 has 14 MA's), (109, 6435), (110, 6441), (Start: 114 @6459 has 10 MA's), (133, 6537), (144, 6585), (152, 6621), (153, 6630), (156, 6654), (164, 6687), (174, 6726), (176, 6732), (190, 6813),

Gene: Struggle_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Struggle_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Suffolk_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Suffolk_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264),

Gene: Suigeneris_9 Start: 6267, Stop: 6668, Start Num: 103
Candidate Starts for Suigeneris_9:
(Start: 103 @6267 has 14 MA's), (110, 6294), (Start: 113 @6306 has 57 MA's), (120, 6342), (133, 6390), (145, 6441), (152, 6474), (153, 6483), (156, 6507), (189, 6639), (190, 6645),

Gene: Surely_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Surely_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: SwainyDoc_10 Start: 5947, Stop: 6282, Start Num: 113
Candidate Starts for SwainyDoc_10:
(Start: 113 @5947 has 57 MA's), (125, 5989), (128, 6001), (133, 6016), (138, 6034), (152, 6091), (164, 6157), (183, 6214), (186, 6226), (190, 6262),

Gene: Swiphy_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Swiphy_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (163, 4256), (164, 4259), (166, 4265), (186, 4340),

Gene: Swish_7 Start: 3879, Stop: 4412, Start Num: 73
Candidate Starts for Swish_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: SynergyX_10 Start: 5950, Stop: 6285, Start Num: 113
Candidate Starts for SynergyX_10:
(Start: 113 @5950 has 57 MA's), (125, 5992), (128, 6004), (133, 6019), (138, 6037), (152, 6094), (164, 6160), (171, 6181), (183, 6217), (186, 6229), (190, 6265),

Gene: TA17A_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for TA17A_11:
(79, 7225), (81, 7234), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (146, 7477), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: TPA2_16 Start: 7599, Stop: 7940, Start Num: 113
Candidate Starts for TPA2_16:
(95, 7536), (Start: 113 @7599 has 57 MA's), (125, 7644), (127, 7653), (128, 7656), (131, 7665), (138, 7689), (145, 7716), (156, 7782), (164, 7815), (185, 7878), (189, 7914), (191, 7929), (193, 7935),

Gene: TallGrassMM_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for TallGrassMM_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Taptic_5 Start: 2882, Stop: 3286, Start Num: 99
Candidate Starts for Taptic_5:
(Start: 99 @2882 has 34 MA's), (104, 2897), (110, 2921), (Start: 118 @2951 has 1 MA's), (140, 3044), (157, 3128), (166, 3161), (178, 3185), (179, 3191), (189, 3251),

Gene: Taraxa_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Taraxa_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Telesworld_7 Start: 3965, Stop: 4411, Start Num: 96

Candidate Starts for Telesworld_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Thonko_6 Start: 3289, Stop: 3702, Start Num: 98
Candidate Starts for Thonko_6:
(64, 3148), (Start: 98 @3289 has 1 MA's), (112, 3340), (Start: 113 @3343 has 57 MA's), (115, 3352), (148, 3490), (155, 3538), (156, 3544), (158, 3556), (162, 3571), (164, 3577), (181, 3619), (182, 3628),

Gene: Thora_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Thora_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: ThreeOh3D2_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for ThreeOh3D2_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Thunderbird_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Thunderbird_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (153, 4201), (156, 4225), (162, 4252), (163, 4255), (164, 4258), (166, 4264), (186, 4339),

Gene: Timmi_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Timmi_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Tinciduntsolum_12 Start: 7479, Stop: 7817, Start Num: 117
Candidate Starts for Tinciduntsolum_12:
(79, 7341), (81, 7350), (91, 7392), (93, 7398), (Start: 117 @7479 has 37 MA's), (120, 7494), (130, 7533), (138, 7560), (142, 7578), (145, 7587), (147, 7596), (150, 7611), (152, 7617), (180, 7722), (182, 7734), (190, 7788),

Gene: TinyTerror_10 Start: 5952, Stop: 6287, Start Num: 113
Candidate Starts for TinyTerror_10:
(Start: 113 @5952 has 57 MA's), (125, 5994), (128, 6006), (133, 6021), (138, 6039), (152, 6096), (164, 6162), (171, 6183), (183, 6219), (186, 6231), (190, 6267),

Gene: TomBombadil_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for TomBombadil_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Tomlarah_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Tomlarah_7:
(42, 3752), (Start: 46 @3767 has 3 MA's), (51, 3782), (53, 3791), (58, 3812), (72, 3872), (Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Toni_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Toni_7:

(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266),

Gene: TooFast2Furius_8 Start: 4200, Stop: 4646, Start Num: 96
Candidate Starts for TooFast2Furius_8:
(Start: 73 @4113 has 7 MA's), (Start: 96 @4200 has 289 MA's), (124, 4311), (153, 4437), (156, 4461), (162, 4488), (164, 4494), (166, 4500), (186, 4575),

Gene: Tooj_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Tooj_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263),

Gene: TraderJ_9 Start: 6413, Stop: 6751, Start Num: 114
Candidate Starts for TraderJ_9:
(82, 6290), (86, 6308), (Start: 92 @6335 has 1 MA's), (Start: 100 @6356 has 2 MA's), (Start: 103 @6368 has 14 MA's), (109, 6389), (Start: 114 @6413 has 10 MA's), (119, 6431), (125, 6452), (128, 6464), (130, 6470), (138, 6497), (157, 6596), (164, 6623), (180, 6662), (189, 6722), (191, 6737),

Gene: Tres_11 Start: 7363, Stop: 7701, Start Num: 117
Candidate Starts for Tres_11:
(79, 7225), (81, 7234), (93, 7282), (Start: 117 @7363 has 37 MA's), (120, 7378), (130, 7417), (138, 7444), (142, 7462), (145, 7471), (147, 7480), (150, 7495), (152, 7501), (180, 7606), (182, 7618), (190, 7672),

Gene: Triad_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Triad_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: True_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for True_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Trypo_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Trypo_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Tydolla_10 Start: 6711, Stop: 7046, Start Num: 113
Candidate Starts for Tydolla_10:
(Start: 113 @6711 has 57 MA's), (125, 6753), (128, 6765), (133, 6780), (138, 6798), (152, 6855), (164, 6921), (171, 6942), (183, 6978), (186, 6990), (190, 7026),

Gene: TyrionL_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for TyrionL_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: UAch1_7 Start: 3965, Stop: 4411, Start Num: 96

Candidate Starts for UAch1_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: UncleHowie_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for UncleHowie_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Usavi_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Usavi_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Vaishali24_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Vaishali24_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Valjean_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Valjean_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Vaticameos_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Vaticameos_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Vectra_7 Start: 3964, Stop: 4410, Start Num: 96
Candidate Starts for Vectra_7:
(Start: 73 @3877 has 7 MA's), (Start: 96 @3964 has 289 MA's), (110, 4012), (124, 4075), (153, 4201), (156, 4225), (162, 4252), (164, 4258), (166, 4264), (186, 4339),

Gene: Veritas_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Veritas_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Vic9_00011 Start: 7806, Stop: 8144, Start Num: 117
Candidate Starts for Vic9_00011:
(79, 7668), (81, 7677), (91, 7719), (93, 7725), (Start: 117 @7806 has 37 MA's), (120, 7821), (130, 7860), (138, 7887), (142, 7905), (145, 7914), (146, 7920), (147, 7923), (150, 7938), (151, 7941), (152, 7944), (180, 8049), (182, 8061), (190, 8115),

Gene: Vincenzo_9 Start: 6977, Stop: 7429, Start Num: 90
Candidate Starts for Vincenzo_9:
(Start: 90 @6977 has 2 MA's), (Start: 99 @7007 has 34 MA's), (Start: 105 @7025 has 1 MA's), (137, 7160), (140, 7175), (156, 7259), (157, 7265), (164, 7292), (167, 7298), (172, 7316),

Gene: VioletZ_8 Start: 6302, Stop: 6721, Start Num: 99
Candidate Starts for VioletZ_8:

(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (20, 5894), (28, 5984), (29, 6008), (31, 6020), (41, 6086), (44, 6101), (54, 6131), (55, 6137), (57, 6146), (61, 6164), (Start: 73 @6206 has 7 MA's), (76, 6221), (80, 6236), (Start: 83 @6242 has 1 MA's), (Start: 84 @6245 has 1 MA's), (Start: 99 @6302 has 34 MA's), (Start: 105 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (108, 6332), (Start: 113 @6353 has 57 MA's), (120, 6389), (135, 6443), (156, 6554), (157, 6560), (162, 6581), (170, 6608), (180, 6626), (185, 6650), (186, 6656),

Gene: Virapocalypse_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Virapocalypse_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263),

Gene: Virgeve_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Virgeve_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Vista_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Vista_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Vivaldi_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Vivaldi_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: Vortex_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Vortex_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Waleliano_8 Start: 6302, Stop: 6721, Start Num: 99
Candidate Starts for Waleliano_8:
(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (18, 5879), (28, 5984), (29, 6008), (31, 6020), (41, 6086), (43, 6095), (44, 6101), (54, 6131), (55, 6137), (57, 6146), (71, 6191), (Start: 73 @6206 has 7 MA's), (76, 6221), (80, 6236), (Start: 83 @6242 has 1 MA's), (Start: 84 @6245 has 1 MA's), (Start: 99 @6302 has 34 MA's), (Start: 105 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (108, 6332), (Start: 113 @6353 has 57 MA's), (120, 6389), (135, 6443), (156, 6554), (157, 6560), (162, 6581), (170, 6608), (180, 6626), (185, 6650), (186, 6656),

Gene: Wallhey_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for Wallhey_7:
(42, 3749), (Start: 46 @3764 has 3 MA's), (51, 3779), (53, 3788), (58, 3809), (72, 3869), (Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (110, 4010), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Waterdiva_7 Start: 3966, Stop: 4412, Start Num: 96
Candidate Starts for Waterdiva_7:
(Start: 73 @3879 has 7 MA's), (Start: 96 @3966 has 289 MA's), (124, 4077), (153, 4203), (156, 4227), (162, 4254), (164, 4260), (166, 4266), (186, 4341),

Gene: Weher20_7 Start: 3962, Stop: 4408, Start Num: 96

Candidate Starts for Weher20_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: West99_11 Start: 7480, Stop: 7818, Start Num: 117
Candidate Starts for West99_11:
(79, 7342), (81, 7351), (91, 7393), (93, 7399), (Start: 117 @7480 has 37 MA's), (120, 7495), (130, 7534), (138, 7561), (142, 7579), (145, 7588), (147, 7597), (150, 7612), (152, 7618), (180, 7723), (182, 7735), (190, 7789),

Gene: Windsor_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Windsor_7:
(42, 3750), (Start: 46 @3765 has 3 MA's), (51, 3780), (53, 3789), (58, 3810), (72, 3870), (Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (110, 4011), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (163, 4254), (164, 4257), (166, 4263), (186, 4338),

Gene: Wooper_9 Start: 6416, Stop: 6754, Start Num: 114
Candidate Starts for Wooper_9:
(82, 6293), (86, 6311), (Start: 92 @6338 has 1 MA's), (Start: 100 @6359 has 2 MA's), (Start: 103 @6371 has 14 MA's), (109, 6392), (Start: 114 @6416 has 10 MA's), (119, 6434), (125, 6455), (128, 6467), (130, 6473), (138, 6500), (157, 6599), (164, 6626), (180, 6665), (189, 6725), (191, 6740),

Gene: Xavier_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Xavier_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Xincheng_8 Start: 6144, Stop: 6545, Start Num: 105
Candidate Starts for Xincheng_8:
(78, 6057), (Start: 83 @6066 has 1 MA's), (Start: 84 @6069 has 1 MA's), (Start: 99 @6126 has 34 MA's), (Start: 105 @6144 has 1 MA's), (Start: 106 @6150 has 2 MA's), (108, 6156), (Start: 113 @6177 has 57 MA's), (120, 6213), (135, 6267), (156, 6378), (157, 6384), (162, 6405), (170, 6432), (185, 6474), (186, 6480),

Gene: Yago84_6 Start: 4755, Stop: 5090, Start Num: 114
Candidate Starts for Yago84_6:
(Start: 114 @4755 has 10 MA's), (Start: 118 @4767 has 1 MA's), (123, 4785), (125, 4794), (128, 4806), (130, 4812), (155, 4923), (158, 4941), (164, 4962), (189, 5061),

Gene: Yahalom_10 Start: 5950, Stop: 6285, Start Num: 113
Candidate Starts for Yahalom_10:
(Start: 113 @5950 has 57 MA's), (125, 5992), (128, 6004), (133, 6019), (138, 6037), (152, 6094), (164, 6160), (171, 6181), (183, 6217), (186, 6229), (190, 6265),

Gene: Yeshua_9 Start: 6420, Stop: 6758, Start Num: 114
Candidate Starts for Yeshua_9:
(82, 6297), (86, 6315), (Start: 92 @6342 has 1 MA's), (Start: 100 @6363 has 2 MA's), (Start: 103 @6375 has 14 MA's), (109, 6396), (Start: 114 @6420 has 10 MA's), (125, 6459), (128, 6471), (130, 6477), (138, 6504), (155, 6591), (157, 6603), (158, 6609), (164, 6630), (180, 6669), (188, 6711), (189, 6729), (191, 6744),

Gene: Yinz_10 Start: 5976, Stop: 6311, Start Num: 113
Candidate Starts for Yinz_10:

(Start: 113 @5976 has 57 MA's), (125, 6018), (128, 6030), (133, 6045), (138, 6063), (152, 6120), (164, 6186), (171, 6207), (183, 6243), (186, 6255), (190, 6291),

Gene: Yoshand_7 Start: 3963, Stop: 4409, Start Num: 96
Candidate Starts for Yoshand_7:
(Start: 73 @3876 has 7 MA's), (Start: 96 @3963 has 289 MA's), (124, 4074), (153, 4200), (156, 4224), (162, 4251), (164, 4257), (166, 4263), (186, 4338),

Gene: YouGoGlencoco_7 Start: 3962, Stop: 4408, Start Num: 96
Candidate Starts for YouGoGlencoco_7:
(Start: 73 @3875 has 7 MA's), (Start: 96 @3962 has 289 MA's), (124, 4073), (153, 4199), (156, 4223), (162, 4250), (164, 4256), (166, 4262), (186, 4337),

Gene: Zaider_8 Start: 4195, Stop: 4641, Start Num: 96
Candidate Starts for Zaider_8:
(Start: 73 @4108 has 7 MA's), (Start: 96 @4195 has 289 MA's), (124, 4306), (153, 4432), (156, 4456), (162, 4483), (164, 4489), (166, 4495), (186, 4570),

Gene: Zelda_7 Start: 3965, Stop: 4411, Start Num: 96
Candidate Starts for Zelda_7:
(Start: 73 @3878 has 7 MA's), (Start: 96 @3965 has 289 MA's), (124, 4076), (153, 4202), (156, 4226), (162, 4253), (164, 4259), (166, 4265), (186, 4340),

Gene: Zemanar_9 Start: 6302, Stop: 6721, Start Num: 99
Candidate Starts for Zemanar_9:
(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (20, 5894), (28, 5984), (29, 6008), (31, 6020), (41, 6086), (44, 6101), (54, 6131), (55, 6137), (57, 6146), (61, 6164), (Start: 73 @6206 has 7 MA's), (76, 6221), (80, 6236), (Start: 83 @6242 has 1 MA's), (Start: 84 @6245 has 1 MA's), (Start: 99 @6302 has 34 MA's), (Start: 105 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (108, 6332), (Start: 113 @6353 has 57 MA's), (120, 6389), (135, 6443), (156, 6554), (157, 6560), (162, 6581), (170, 6608), (180, 6626), (185, 6650), (186, 6656),

Gene: Zenteno07_12 Start: 5148, Stop: 5579, Start Num: 92
Candidate Starts for Zenteno07_12:
(54, 4974), (Start: 92 @5148 has 1 MA's), (Start: 96 @5154 has 289 MA's), (110, 5199), (144, 5343), (162, 5439), (180, 5484), (186, 5514),

Gene: Zonia_7 Start: 3961, Stop: 4407, Start Num: 96
Candidate Starts for Zonia_7:
(Start: 73 @3874 has 7 MA's), (Start: 96 @3961 has 289 MA's), (110, 4009), (153, 4198), (156, 4222), (162, 4249), (163, 4252), (164, 4255), (166, 4261), (186, 4336),