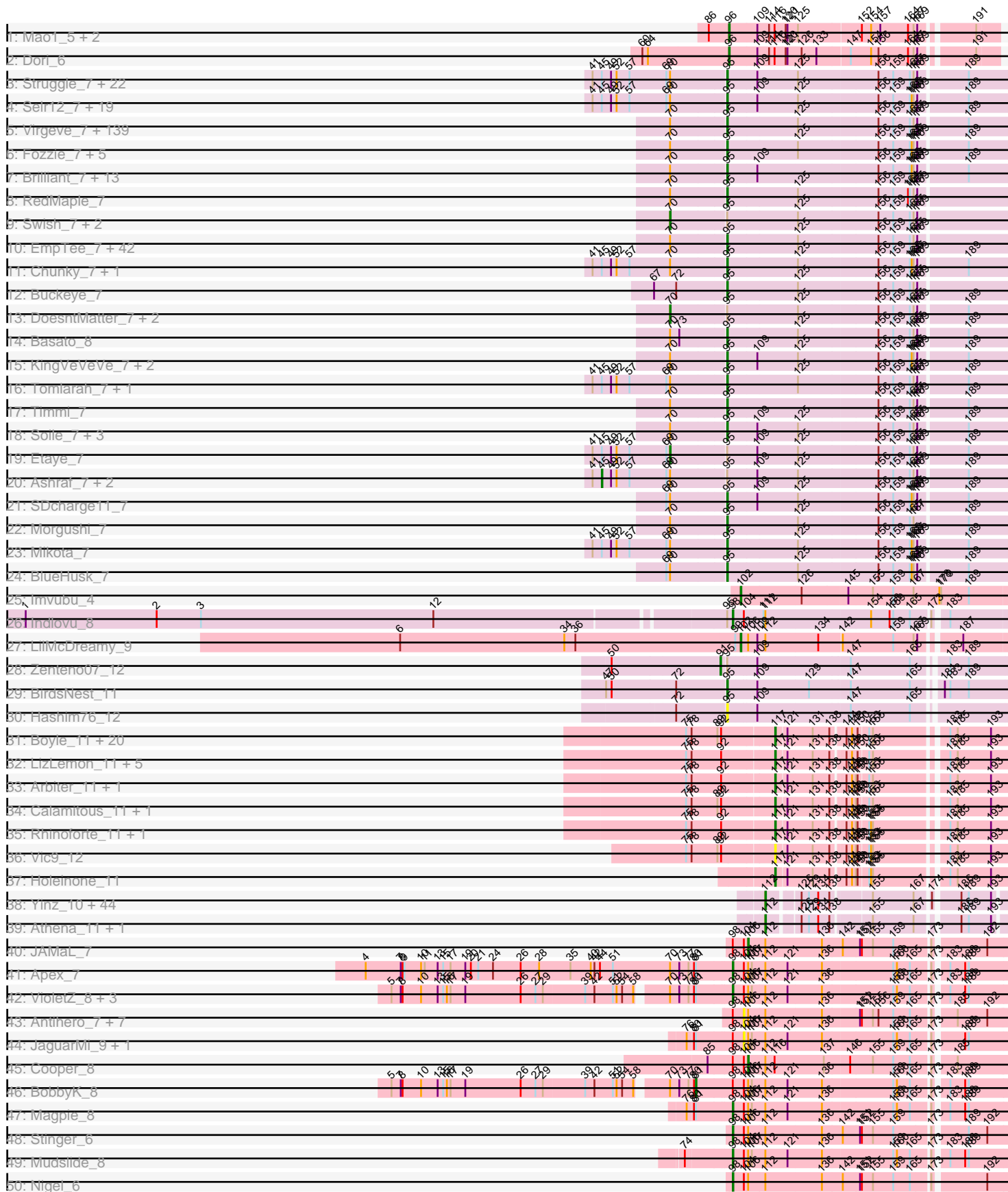
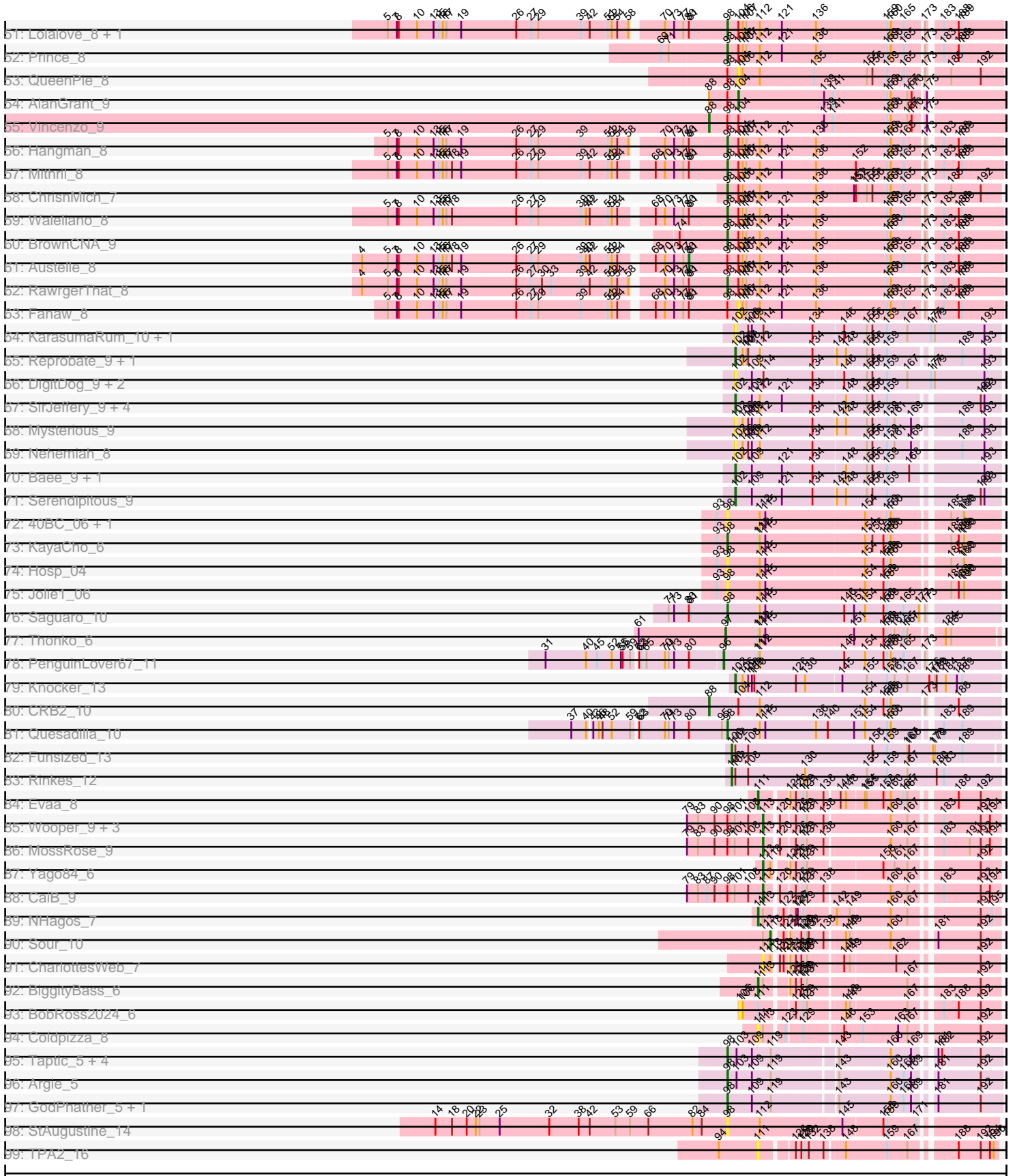


Pham 186508



Pham 186508



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 186508 Report

This analysis was run 11/02/24 on database version 579.

Pham number 186508 has 457 members, 47 are drafts.

Phages represented in each track:

- Track 1 : Mao1_5, Mask_6, Sejanus_6
- Track 2 : Dori_6
- Track 3 : Struggle_7, Veritas_7, MichaelPhcott_7, PhrankReynolds_7, Trypo_7, Wallhey_7, Pinkman_7, Mag7_7, Labeouficaum_7, Phleuron_7, Freya_7, Oline_7, Coletti_7, Derpp_7, PhenghisKhan_7, Doddsville_7, DuchessDung_7, BatteryCK_7, Chute_7, CharlieGBrown_7, TyrionL_7, Kailash_7, Phergie_7
- Track 4 : Selr12_7, MelsMeow_7, Plmatters_7, Windsor_7, Lumine_7, Roliet_7, Crownjwl_8, Phipps_7, Soto_7, Dione_7, Roscoe_8, Olak_7, Scrick_7, Haleema_7, Phunky_7, Dingo_7, MiniBoss_7, Kwksand96_7, Chaelin_7, LuckyMarjie_7
- Track 5 : Virgeve_7, Morty_7, HenryJackson_7, Orion_7, Weher20_7, Childish_7, Adriana_7, Skippy_7, Yoshand_7, LemonSlice_7, Kloppinator_7, Legolas_7, Puhltonio_7, ThreeOh3D2_7, ProfessorX_7, DonSanchon_7, Riggan_7, PhrodoBaggins_7, Pherdinand_7, ShiVal_7, Orwigg_8, Serendipity_7, Slatt_7, Craff_7, Surely_7, True_7, Quisquilliae_7, Oosterbaan_7, Haimas_7, Megatron_7, Cobra_7, Burr_7, Iridoclysis_7, Mana_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, Xavier_7, Lulwa_7, Spartan300_7, Vaishali24_7, TallGrassMM_7, Schadenfreude_7, Pipsqueak_7, Hocus_7, Colbert_7, UncleHowie_7, Squiggle_7, Simielle_7, BlackStallion_7, Vista_7, Solosis_7, Potter_7, Sigman_7, LeeLot_7, Samaymay_7, Sophia_7, Nyala_7, Altwerkus_7, Emiris_7, Cher_7, Zelda_7, Hartsy_7, Chah_7, Andre_7, ABU_7, Fang_7, Kahve_7, MRabcd_7, YouGoGlencoco_7, IsaacEli_7, AltPhacts_7, Omniscient_7, Mutante_7, QueenBeane_7, KLucky39_7, Bishoperium_7, Apizium_7, SassyCat97_7, Charles1_7, Megamind20_8, Piglet_007, Mesh1_7, Antonia_7, Banjo_7, Dice_7, LostAndPhound_7, FriarPreacher_7, Keitherie_7, Kikipoo_7, HighStump_7, Lego3393_7, Vortex_7, PG1_7, JacAttac_7, LasagnaCat_7, Mecca_7, PinheadLarry_7, Olive_7, Mosaic_7, Chorkpop_7, Hertubise_7, Gareth_7, Bluephacebaby_7, Serpentine_007, Phamished_7, Phareon_7, CamL_7, Telesworld_7, Cannibal_7, Jillium_7, Vaticameos_7, Sheila_7, Podrick_7, Fringe_7, Dati_7, UAch1_7, Murdoc_7, Manad_7, Waterdiva_7, Hetaeria_7, Lasso_7, Schueller_7, Cornobble_7, Squid_7, Anderson_7, Vivaldi_7, Numberten_7, Mcshane_7, Magic8_7, Horchata_7
- Track 6 : Fozzie_7, Swiphy_7, PhatLouie_7, GeneCoco_7, Pacifista_7, OSmaximus_7
- Track 7 : Brilliant_7, DaddyDaniels_7, LeiMonet_7, Longacauda_7, MrPhizzler_7, JakeO_7, Durga_7, Thunderbird_7, Jiminy_7, JDog_7, Zonia_7, Jiraiya_7, Duggie_7, Rimu_7

- Track 8 : RedMaple_7
- Track 9 : Swish_7, Katniss_7, Badfish_7
- Track 10 : EmpTee_7, Robyn_7, PhatCats2014_7, Matalotodo_7, Newman_7, Grand2040_7, Aelin_7, Eremos_7, KingTut_7, Lulumae_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, OliverWalter_7, Pops_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_8, Daka_7, Inverness_7
- Track 11 : Chunky_7, Melc17_7
- Track 12 : Buckeye_7
- Track 13 : DoesntMatter_7, FluffyNinja_7, Beaglebox_7
- Track 14 : Basato_8
- Track 15 : KingVeVeVe_7, Ricotta_7, Kwadwo_7
- Track 16 : Tomlarah_7, Kimbrough_7
- Track 17 : Timmi_7
- Track 18 : Soile_7, DelRivs_7, Harvey_7, Orfeu_7
- Track 19 : Etaye_7
- Track 20 : Ashraf_7, ImtiyazSitla_7, Maskar_7
- Track 21 : SDcharge11_7
- Track 22 : Morgushi_7
- Track 23 : Mikota_7
- Track 24 : BlueHusk_7
- Track 25 : Imvubu_4
- Track 26 : Indlovu_8
- Track 27 : LilMcDreamy_9
- Track 28 : Zenteno07_12
- Track 29 : BirdsNest_11
- Track 30 : Hashim76_12
- Track 31 : Boyle_11, Kheth_11, Ares_11, Eaglehorse_11, ItsyBitsy1_11, Hedgerow_11, Lephleur_11, FrenchFry_11, Sabella_11, MasterPo_11, Phantasmagoria_11, Faze9_11, Tinciduntolum_12, Kaleb_11, Brownie5_11, Rosebush_11, Glass_11, West99_11, Bananafish_11, Opia_11, Coffee_11
- Track 32 : LizLemon_11, Blocker23_11, Lars_11, Tres_11, Godines_11, Qyrzula_11
- Track 33 : Arbiter_11, TA17A_11
- Track 34 : Calamitous_11, Laurie_11
- Track 35 : Rhinoforte_11, Allegro_11
- Track 36 : Vic9_12
- Track 37 : Holeinone_11
- Track 38 : Yinz_10, Kronus_9, GlenHope_11, RagingRooster_10, Audrey_10, Phaedruss_9, Pipefish_10, Bernardo_10, Compostia_10, Chandler_10, HarveySr_10, Briakila_10, Corofin_10, Heathcliff_10, Casbah_9, SynergyX_10, Baloo_10, Mortcellus_9, Ben11_9, Jackstina_9, Daisy_10, RomaT_10, Nozo_10, ChaChing_10, Gervas_10, Marley1013_10, Philly_9, Rita1961_10, Yahalom_10, Morty007_10, Neos5_10, Kamiyu_10, Akoma_10, OrangeOswald_10, Phlyer_10, Tydolla_10, SlippinJimmy_10, Abinghost_10, Halfpint_9, Gadjet_11, Devonte_10, Deenasa_10, Obutu_10, MmasiCarm_10, Phayeta_10
- Track 39 : Athena_11, LestyG_10
- Track 40 : JAMaL_7
- Track 41 : Apex_7
- Track 42 : VioletZ_8, Zemanar_9, Heath_8, Frederick_8

- Track 43 : Antihero_7, Ahwei_7, Lambano_7, Epah_7, Poster_7, Hally898_7, GinPorsche_7, Nanao_7
- Track 44 : JaguarMi_9, Xincheng_8
- Track 45 : Cooper_8
- Track 46 : BobbyK_8
- Track 47 : Magpie_8
- Track 48 : Stinger_6
- Track 49 : Mudslide_8
- Track 50 : Nigel_6
- Track 51 : Lolalove_8, Hydro_8
- Track 52 : Prince_8
- Track 53 : QueenPie_8
- Track 54 : AlanGrant_9
- Track 55 : Vincenzo_9
- Track 56 : Hangman_8
- Track 57 : Mithril_8
- Track 58 : ChrisnMich_7
- Track 59 : Waleliano_8
- Track 60 : BrownCNA_9
- Track 61 : Austelle_8
- Track 62 : RawrgerThat_8
- Track 63 : Fanaw_8
- Track 64 : KarasumaRum_10, StinkyVeggy_10
- Track 65 : Reprobate_9, Phelemich_9
- Track 66 : DigitDog_9, Shenyu_9, Nangang_9
- Track 67 : SirJeffery_9, Acadian_9, EastView9101_9, Suigeneris_9, Donny_9
- Track 68 : Mysterious_9
- Track 69 : Nehemiah_8
- Track 70 : Bae_9, Rich_9
- Track 71 : Serendipitous_9
- Track 72 : 40BC_06, 39HC_06
- Track 73 : KayaCho_6
- Track 74 : Hosp_04
- Track 75 : Jolie1_06
- Track 76 : Saguaro_10
- Track 77 : Thonko_6
- Track 78 : PenguinLover67_11
- Track 79 : Knocker_13
- Track 80 : CRB2_10
- Track 81 : Quesadilla_10
- Track 82 : Funsized_13
- Track 83 : Rinkes_12
- Track 84 : Evaa_8
- Track 85 : Wooper_9, AnarQue_9, MakoManhole_9, CloverMinnie_9
- Track 86 : MossRose_9
- Track 87 : Yago84_6
- Track 88 : CaiB_9
- Track 89 : NHagos_7
- Track 90 : Sour_10
- Track 91 : CharlottesWeb_7
- Track 92 : BiggityBass_6
- Track 93 : BobRoss2024_6
- Track 94 : Coldpizza_8

- Track 95 : Taptic_5, PR_05, D12_05, Megabear_5, Cepens_5
- Track 96 : Argie_5
- Track 97 : GodPhather_5, Jeon_5
- Track 98 : StAugustine_14
- Track 99 : 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 95, it was called in 254 of the 410 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_7, AbsoluteMadLad_7, Adriana_7, Aelin_7, AltPhacts_7, Altwerkus_7, Anderson_7, Andre_7, Antonia_7, Apizium_7, Banjo_7, Basato_8, BatteryCK_7, BirdsNest_11, Bishoperium_7, BlackStallion_7, BlueHusk_7, Bluephacebaby_7, Boehler_7, Brilliant_7, Buckeye_7, Burr_7, CamL_7, CampRoach_7, Cannibal_7, Carthage_7, Chaelin_7, Chah_7, Charles1_7, CharlieGBrown_7, CheetO_7, Cher_7, Childish_7, Chorkpop_7, Chunky_7, Chute_7, Cobra_7, Colbert_7, Coletti_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, DonSanchon_7, DuchessDung_7, Duggie_7, Durga_7, Emiris_7, EmpTee_7, Eremos_7, Eugenia_7, Fang_7, Fozzie_7, Frankicide_7, Freya_7, FriarPreacher_7, Fringe_7, FugateOSU_7, Gareth_7, GeneCoco_7, Giraffe_7, Gophee_7, Grand2040_7, Gwilliam_8, Gyarad_007, HSavage_7, Haimas_7, Haleema_7, Hamish_7, Hartsy_7, Harvey_7, Hashim76_12, Held_7, HenryJackson_7, Hertubise_7, Hetaeria_7, HighStump_7, Hocus_7, Horchata_7, Inchworm_7, Inverness_7, Iridoclysis_7, IsaacEli_7, JDog_7, JacAttac_7, JakeO_7, JangoPhett_7, Jillium_7, Jiminy_7, Jiraiya_7, KLucky39_7, Kahve_7, Kailash_7, Keitherie_7, Kikipoo_7, Kimbrough_7, KingTut_7, KingVeVeVe_7, KlimbOn_7, Kloppinator_7, Kwadwo_7, Kwksand96_7, Labeouficaum_7, LasagnaCat_7, Lasso_7, LeeLot_7, Lego3393_7, Legolas_7, LeiMonet_7, LemonSlice_7, 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, MichaelPhcott_7, Mikota_7, MiniBoss_7, MitKao_7, Morgushi_7, Morty_7, Mosaic_7, MrPhizzler_7, Mulan_7, Murdoc_7, Mutante_7, Nacho_007, Newman_7, Nicole21_7, Numberten_7, Nyala_7, OSmaximus_7, Olak_7, Oline_7, Olive_7, OliverWalter_7, Omniscient_7, Oosterbaan_7, Orfeu_7, Orion_7, Orwigg_8, PG1_7, Pacifista_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, Plmatters_7, Podrick_7, Pops_7, Potter_7, Prickles_7, ProfessorX_7, Puhltonio_7, QueenBeane_7, Quisquiliae_7, RedMaple_7, Ricotta_7, Riggan_7, Rimu_7, Robyn_7, Roliet_7, Roscoe_8, Roy17_7, SDcharge11_7, Samaymay_7, SassyCat97_7, Schadenfreude_7, Schueller_7, Scoot17C_7, Scrick_7, Selr12_7, Serendipity_7, Serpentine_007, Sheila_7, ShiVal_7, Sigman_7, SilverBell_7, Simielle_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, Telesworld_7, Thora_7, ThreeOh3D2_7, Thunderbird_7, Timmi_7, TomBombadil_7, Tomlarah_7, Toni_7, Tooj_7, True_7,

Trypo_7, TyrionL_7, UAch1_7, UncleHowie_7, Usavi_7, Vaishali24_7, Valjean_7, Vaticameos_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, Etake_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, AlanGrant_9, Allegro_11, AnarQue_9, Antihero_7, Apex_7, Arbiter_11, Ares_11, Argie_5, Athena_11, Audrey_10, Austelle_8, Bae_9, Baloo_10, Bananafish_11, Ben11_9, Bernardo_10, BiggityBass_6, Blocker23_11, BobRoss2024_6, BobbyK_8, Boyle_11, Briakila_10, BrownCNA_9, Brownie5_11, CRB2_10, CaiB_9, Calamitous_11, Casbah_9, Cepens_5, ChaChing_10, Chandler_10, CharlottesWeb_7, ChrisnMich_7, CloverMinnie_9, Coffee_11, Coldpizza_8, 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, Frederick_8, FrenchFry_11, Funsized_13, Gadjet_11, Gervas_10, GinPorsche_7, Glass_11, GlenHope_11, 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, Jolie1_06, Kaleb_11, Kamiyu_10, KarasumaRum_10, KayaCho_6, Kheth_11, Knocker_13, Kronus_9, Lambano_7, Lars_11, Laurie_11, Lephleur_11, LestyG_10, LilMcDreamy_9, LizLemon_11, Lolalove_8, Magpie_8, MakoManhole_9, Mao1_5, Marley1013_10, Mask_6, MasterPo_11, Megabear_5, Mithril_8, MmasiCarm_10, Mortcellus_9, Morty007_10, MossRose_9, Mudslide_8, Mysterious_9, NHagos_7, Nanao_7, Nangang_9, Nehemiah_8, Neos5_10, Nigel_6, Nozo_10, Obutu_10, Opia_11, OrangeOswald_10, PR_05, PenguinLover67_11, Phaedrus_9, Phantasmagoria_11, Phayeta_10, Phelemich_9, Philly_9, Phlyer_10, Pipefish_10, Poster_7, Prince_8, QueenPie_8, Qyrzula_11, RagingRooster_10, RawrgerThat_8, Reprobate_9, Rhinoforte_11, Rich_9, Rinkes_12, Rita1961_10, RomaT_10, Rosebush_11, Sabella_11, Saguaro_10, Sejanus_6, Serendipitous_9, Shenyu_9, SirJeffery_9, SlippinJimmy_10, Sour_10, StAugustine_14, Stinger_6, StinkyVeggy_10, Suigeneris_9, SynergyX_10, TA17A_11, TPA2_16, Taptic_5, Thonko_6, Tinciduntolum_12, Tres_11, Tydolla_10, Vic9_12, Vincenzo_9, VioletZ_8, Waleliano_8, West99_11, Wooper_9, Xincheng_8, Yago84_6, Yahalom_10, Yinz_10, Zemanar_9,

Summary by start number:

Start 45:

- Found in 53 of 457 (11.6%) of genes in pham
- Manual Annotations of this start: 3 of 410
- Called 5.7% of time when present
- Phage (with cluster) where this start called: Ashraf_7 (B1), ImtiyazSitla_7 (B1), Maskar_7 (B1),

Start 70:

- Found in 290 of 457 (63.5%) of genes in pham
- Manual Annotations of this start: 7 of 410

- Called 2.4% 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 80:

- Found in 20 of 457 (4.4%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 5.0% of time when present
- Phage (with cluster) where this start called: Austelle_8 (B4),

Start 81:

- Found in 18 of 457 (3.9%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 5.6% of time when present
- Phage (with cluster) where this start called: BobbyK_8 (B4),

Start 88:

- Found in 3 of 457 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 410
- Called 66.7% of time when present
- Phage (with cluster) where this start called: CRB2_10 (B9), Vincenzo_9 (B4),

Start 91:

- Found in 1 of 457 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zenteno07_12 (B13),

Start 95:

- Found in 280 of 457 (61.3%) of genes in pham
- Manual Annotations of this start: 254 of 410
- Called 95.4% of time when present
- Phage (with cluster) where this start called: ABU_7 (B1), AbsoluteMadLad_7 (B1), Adriana_7 (B1), Aelin_7 (B1), AltPhacts_7 (B1), Altwerkus_7 (B1), Anderson_7 (B1), Andre_7 (B1), Antonia_7 (B1), Apizium_7 (B1), Banjo_7 (B1), Basato_8 (B1), BatteryCK_7 (B1), BirdsNest_11 (B13), Bishoperium_7 (B1), BlackStallion_7 (B1), BlueHusk_7 (B1), Bluephacebaby_7 (B1), Boehler_7 (B1), Brilliant_7 (B1), Buckeye_7 (B1), Burr_7 (B1), CamL_7 (B1), CampRoach_7 (B1), Cannibal_7 (B1), Carthage_7 (B1), Chaelin_7 (B1), Chah_7 (B1), Charles1_7 (B1), CharlieGBrown_7 (B1), CheetO_7 (B1), Cher_7 (B1), Childish_7 (B1), Chorkpop_7 (B1), Chunky_7 (B1), Chute_7 (B1), Cobra_7 (B1), Colbert_7 (B1), Coletti_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), DonSanchon_7 (B1), DuchessDung_7 (B1), Duggie_7 (B1), Durga_7 (B1), Emiris_7 (B1), EmpTee_7 (B1), Eremos_7 (B1), Eugenia_7 (B1), Fang_7 (B1), Fozzie_7 (B1), Frankicide_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), Gwilliam_8 (B1), Gyarad_007 (B1), HSavage_7 (B1), Haimas_7 (B1), Haleema_7 (B1), Hamish_7 (B1), Hartsy_7 (B1), Harvey_7 (B1), Hashim76_12 (B13), Held_7 (B1), HenryJackson_7 (B1), Hertubise_7 (B1), Hetaeria_7 (B1), HighStump_7 (B1), Hocus_7 (B1), Horchata_7 (B1), Inchworm_7 (B1), Inverness_7 (B1), Iridoclysis_7

(B1), IsaacEli_7 (B1), JDog_7 (B1), JacAttac_7 (B1), JakeO_7 (B1), JangoPhett_7 (B1), Jillium_7 (B1), Jiminy_7 (B1), Jiraiya_7 (B1), KLucky39_7 (B1), Kahve_7 (B1), Kailash_7 (B1), Keitherie_7 (B1), Kikipoo_7 (B1), Kimbrough_7 (B1), KingTut_7 (B1), KingVeVeVe_7 (B1), KlimbOn_7 (B1), Kloppinator_7 (B1), Kwadwo_7 (B1), Kwksand96_7 (B1), Labeouficaum_7 (B1), LasagnaCat_7 (B1), Lasso_7 (B1), LeeLot_7 (B1), Lego3393_7 (B1), Legolas_7 (B1), LeiMonet_7 (B1), LemonSlice_7 (B1), Longacauda_7 (B1), Lopsy_7 (B1), LostAndPhound_7 (B1), LuckyMarjie_7 (B1), Lulumae_7 (B1), Luiwa_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), 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), Newman_7 (B1), Nicole21_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), Oosterbaan_7 (B1), Orfeu_7 (B1), Orion_7 (B1), Orwigg_8 (B1), PG1_7 (B1), Pacifista_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), Plmatters_7 (B1), Podrick_7 (B1), Pops_7 (B1), Potter_7 (B1), Prickles_7 (B1), ProfessorX_7 (B1), Puhltonio_7 (B1), QueenBeane_7 (B1), Quisquilliae_7 (B1), RedMaple_7 (B1), Ricotta_7 (B1), Riggan_7 (B1), Rimu_7 (B1), Robyn_7 (B1), Roliet_7 (B1), Roscoe_8 (B1), Roy17_7 (B1), SDcharge11_7 (B1), Samaymay_7 (B1), SassyCat97_7 (B1), Schadenfreude_7 (B1), Schueller_7 (B1), Scoot17C_7 (B1), Scrick_7 (B1), Selr12_7 (B1), Serendipity_7 (B1), Serpentine_007 (B1), Sheila_7 (B1), ShiVal_7 (B1), Sigman_7 (B1), SilverBell_7 (B1), Simielle_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), Telesworld_7 (B1), Thora_7 (B1), ThreeOh3D2_7 (B1), Thunderbird_7 (B1), Timmi_7 (B1), TomBombadil_7 (B1), Tomlarah_7 (B1), Toni_7 (B1), Tooj_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), 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 96:

- Found in 5 of 457 (1.1%) of genes in pham
- Manual Annotations of this start: 5 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dori_6 (AD), Mao1_5 (AD), Mask_6 (AD), PenguinLover67_11 (B9), Sejanus_6 (AD),

Start 97:

- Found in 1 of 457 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Thonko_6 (B8),

Start 98:

- Found in 59 of 457 (12.9%) of genes in pham
- Manual Annotations of this start: 30 of 410
- Called 59.3% 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), GodPhather_5 (W), Hangman_8 (B4), Heath_8 (B4), Hosp_04 (B6), Hydro_8 (B4), Indlovu_8 (B11), Jeon_5 (W), Jolie1_06 (B6), KayaCho_6 (B6), Lolalove_8 (B4), Magpie_8 (B4), Megabear_5 (W), Mithril_8 (B4), Mudslide_8 (B4), Nigel_6 (B4), PR_05 (W), Prince_8 (B4), Quesadilla_10 (B9), RawrgerThat_8 (B4), Saguaro_10 (B7), StAugustine_14 (singleton), Stinger_6 (B4), Taptic_5 (W), VioletZ_8 (B4), Waleliano_8 (B4), Zemanar_9 (B4),

Start 100:

- Found in 2 of 457 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 410
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Funsized_13 (B9), Rinkes_12 (B9),

Start 102:

- Found in 22 of 457 (4.8%) of genes in pham
- Manual Annotations of this start: 12 of 410
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Acadian_9 (B5), Bae_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), Reprobate_9 (B5), Rich_9 (B5), Serendipitous_9 (B5), Shenyu_9 (B5), SirJeffery_9 (B5), StinkyVeggy_10 (B5), Suigeneris_9 (B5),

Start 104:

- Found in 38 of 457 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 34.2% 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), GinPorsche_7 (B4), Hally898_7 (B4), JaguarMi_9 (B4), Lambano_7 (B4), Nanao_7 (B4), Poster_7 (B4), QueenPie_8 (B4), Xincheng_8 (B4),

Start 105:

- Found in 1 of 457 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BobRoss2024_6 (DR),

Start 106:

- Found in 41 of 457 (9.0%) of genes in pham
- Manual Annotations of this start: 2 of 410
- Called 4.9% of time when present
- Phage (with cluster) where this start called: Cooper_8 (B4), JAMaL_7 (B4),

Start 111:

- Found in 10 of 457 (2.2%) of genes in pham
- Manual Annotations of this start: 3 of 410

- Called 50.0% of time when present
- Phage (with cluster) where this start called: BiggityBass_6 (DR), Coldpizza_8 (DR), Evaa_8 (DR), NHagos_7 (DR), TPA2_16 (singleton),

Start 112:

- Found in 103 of 457 (22.5%) of genes in pham
- Manual Annotations of this start: 45 of 410
- Called 45.6% of time when present
- Phage (with cluster) where this start called: Abinghost_10 (B3), Akoma_10 (B3), Athena_11 (B3), Audrey_10 (B3), Baloo_10 (B3), Ben11_9 (B3), Bernardo_10 (B3), Briakila_10 (B3), Casbah_9 (B3), ChaChing_10 (B3), Chandler_10 (B3), Compostia_10 (B3), Corofin_10 (B3), Daisy_10 (B3), Deenasa_10 (B3), Devonte_10 (B3), Gadget_11 (B3), Gervas_10 (B3), GlenHope_11 (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), MmasiCarm_10 (B3), Mortcellus_9 (B3), Morty007_10 (B3), Neos5_10 (B3), Nozo_10 (B3), Obutu_10 (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), SlippinJimmy_10 (B3), SynergyX_10 (B3), Tydolla_10 (B3), Yahalom_10 (B3), Yinz_10 (B3),

Start 113:

- Found in 12 of 457 (2.6%) of genes in pham
- Manual Annotations of this start: 7 of 410
- Called 66.7% of time when present
- Phage (with cluster) where this start called: AnarQue_9 (DR), CaiB_9 (DR), CharlottesWeb_7 (DR), CloverMinnie_9 (DR), MakoManhole_9 (DR), MossRose_9 (DR), Wooper_9 (DR), Yago84_6 (DR),

Start 117:

- Found in 35 of 457 (7.7%) of genes in pham
- Manual Annotations of this start: 32 of 410
- 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), Lars_11 (B2), Laurie_11 (B2), Lephleur_11 (B2), LizLemon_11 (B2), MasterPo_11 (B2), Opia_11 (B2), Phantasmagoria_11 (B2), Qyrzula_11 (B2), Rhinoforte_11 (B2), Rosebush_11 (B2), Sabella_11 (B2), TA17A_11 (B2), Tinciduntolum_12 (B2), Tres_11 (B2), Vic9_12 (B2), West99_11 (B2),

Start 118:

- Found in 3 of 457 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 410
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Sour_10 (DR),

Summary by clusters:

There are 17 clusters represented in this pham: singleton, B2, B10, B8, B11, B4, B5, B6, B7, B12, B1, W, B3, AD, DR, B9, B13,

Info for manual annotations of cluster AD:

- Start number 96 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster B1:

- Start number 45 was manually annotated 3 times for cluster B1.
- Start number 70 was manually annotated 7 times for cluster B1.
- Start number 95 was manually annotated 253 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 102 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 98 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 102 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 91 was manually annotated 1 time for cluster B13.
- Start number 95 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B2:

- Start number 117 was manually annotated 32 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 112 was manually annotated 45 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 80 was manually annotated 1 time for cluster B4.
- Start number 81 was manually annotated 1 time for cluster B4.
- Start number 88 was manually annotated 1 time for cluster B4.
- Start number 98 was manually annotated 18 times for cluster B4.
- Start number 104 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 102 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 98 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 98 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 97 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 88 was manually annotated 1 time for cluster B9.
- Start number 96 was manually annotated 1 time for cluster B9.
- Start number 98 was manually annotated 1 time for cluster B9.
- Start number 100 was manually annotated 2 times for cluster B9.

- Start number 102 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster DR:

- Start number 111 was manually annotated 3 times for cluster DR.
- Start number 113 was manually annotated 7 times for cluster DR.
- Start number 118 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster W:

- Start number 98 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_06 Start: 4766, Stop: 5182, Start Num: 98

Candidate Starts for 39HC_06:

(93, 4751), (Start: 98 @4766 has 30 MA's), (Start: 112 @4817 has 45 MA's), (115, 4826), (154, 4982), (159, 5018), (160, 5024), (185, 5102), (189, 5120), (190, 5123),

Gene: 40BC_06 Start: 4766, Stop: 5182, Start Num: 98

Candidate Starts for 40BC_06:

(93, 4751), (Start: 98 @4766 has 30 MA's), (Start: 112 @4817 has 45 MA's), (115, 4826), (154, 4982), (159, 5018), (160, 5024), (185, 5102), (189, 5120), (190, 5123),

Gene: ABU_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for ABU_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Abinghost_10 Start: 5949, Stop: 6284, Start Num: 112

Candidate Starts for Abinghost_10:

(Start: 112 @5949 has 45 MA's), (126, 5991), (129, 6003), (134, 6018), (138, 6036), (155, 6093), (167, 6159), (174, 6180), (186, 6216), (189, 6228), (193, 6264),

Gene: AbsoluteMadLad_7 Start: 3961, Stop: 4407, Start Num: 95

Candidate Starts for AbsoluteMadLad_7:

(Start: 70 @3874 has 7 MA's), (Start: 95 @3961 has 254 MA's), (125, 4072), (156, 4198), (159, 4222), (165, 4249), (167, 4255), (169, 4261),

Gene: Acadian_9 Start: 6265, Stop: 6666, Start Num: 102

Candidate Starts for Acadian_9:

(Start: 102 @6265 has 12 MA's), (109, 6292), (Start: 112 @6304 has 45 MA's), (121, 6340), (134, 6388), (148, 6439), (155, 6472), (156, 6481), (159, 6505), (192, 6637), (193, 6643),

Gene: Adriana_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Adriana_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Aelin_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Aelin_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Ahwei_7 Start: 5221, Stop: 5616, Start Num: 104

Candidate Starts for Ahwei_7:

(Start: 98 @5203 has 30 MA's), (Start: 104 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 112 @5254 has 45 MA's), (136, 5344), (151, 5401), (152, 5404), (155, 5422), (156, 5431), (159, 5455), (165, 5482), (173, 5509), (185, 5539), (192, 5587),

Gene: Akoma_10 Start: 5949, Stop: 6284, Start Num: 112

Candidate Starts for Akoma_10:

(Start: 112 @5949 has 45 MA's), (126, 5991), (129, 6003), (134, 6018), (138, 6036), (155, 6093), (167, 6159), (174, 6180), (186, 6216), (189, 6228), (193, 6264),

Gene: AlanGrant_9 Start: 7025, Stop: 7429, Start Num: 104

Candidate Starts for AlanGrant_9:

(Start: 88 @6977 has 2 MA's), (Start: 98 @7007 has 30 MA's), (Start: 104 @7025 has 1 MA's), (139, 7160), (141, 7175), (159, 7259), (160, 7265), (167, 7292), (170, 7298), (175, 7316),

Gene: Allegro_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Allegro_11:

(75, 7225), (78, 7234), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (149, 7477), (150, 7480), (153, 7495), (154, 7498), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: AltPhacts_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for AltPhacts_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Altwerkus_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Altwerkus_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: AnarQue_9 Start: 6416, Stop: 6754, Start Num: 113

Candidate Starts for AnarQue_9:

(79, 6293), (83, 6311), (90, 6338), (Start: 98 @6359 has 30 MA's), (101, 6371), (108, 6392), (Start: 113 @6416 has 7 MA's), (120, 6434), (126, 6455), (129, 6467), (131, 6473), (138, 6500), (160, 6599), (167, 6626), (183, 6665), (192, 6725), (194, 6740),

Gene: Anderson_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Anderson_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Andre_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Andre_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Antihero_7 Start: 5221, Stop: 5616, Start Num: 104

Candidate Starts for Antihero_7:

(Start: 98 @5203 has 30 MA's), (Start: 104 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 112 @5254 has 45 MA's), (136, 5344), (151, 5401), (152, 5404), (155, 5422), (156, 5431), (159, 5455),

(165, 5482), (173, 5509), (185, 5539), (192, 5587),

Gene: Antonia_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Antonia_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Apex_7 Start: 5846, Stop: 6265, Start Num: 98

Candidate Starts for Apex_7:

(4, 5255), (7, 5312), (8, 5315), (9, 5318), (10, 5345), (11, 5351), (13, 5372), (15, 5381), (17, 5393), (19, 5417), (20, 5426), (21, 5438), (24, 5462), (26, 5507), (28, 5537), (35, 5588), (40, 5621), (42, 5627), (44, 5636), (51, 5657), (Start: 70 @5750 has 7 MA's), (73, 5765), (77, 5780), (Start: 80 @5786 has 1 MA's), (Start: 81 @5789 has 1 MA's), (Start: 98 @5846 has 30 MA's), (Start: 104 @5864 has 1 MA's), (Start: 106 @5870 has 2 MA's), (107, 5876), (Start: 112 @5897 has 45 MA's), (121, 5933), (136, 5987), (159, 6098), (160, 6104), (165, 6125), (173, 6152), (183, 6170), (188, 6194), (189, 6200),

Gene: Apizium_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Apizium_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Arbiter_11 Start: 7453, Stop: 7791, Start Num: 117

Candidate Starts for Arbiter_11:

(75, 7315), (78, 7324), (92, 7372), (Start: 117 @7453 has 32 MA's), (121, 7468), (131, 7507), (138, 7534), (144, 7552), (148, 7561), (149, 7567), (150, 7570), (153, 7585), (155, 7591), (183, 7696), (185, 7708), (193, 7762),

Gene: Ares_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Ares_11:

(75, 7225), (78, 7234), (89, 7276), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: Argie_5 Start: 2882, Stop: 3286, Start Num: 98

Candidate Starts for Argie_5:

(Start: 98 @2882 has 30 MA's), (103, 2897), (109, 2921), (119, 2951), (143, 3044), (160, 3128), (165, 3149), (169, 3161), (181, 3185), (192, 3251),

Gene: Ashraf_7 Start: 3764, Stop: 4408, Start Num: 45

Candidate Starts for Ashraf_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Athena_11 Start: 6712, Stop: 7047, Start Num: 112

Candidate Starts for Athena_11:

(Start: 112 @6712 has 45 MA's), (126, 6754), (129, 6766), (134, 6781), (138, 6799), (155, 6856), (167, 6922), (186, 6979), (189, 6991), (193, 7027),

Gene: Audrey_10 Start: 5949, Stop: 6284, Start Num: 112

Candidate Starts for Audrey_10:

(Start: 112 @5949 has 45 MA's), (126, 5991), (129, 6003), (134, 6018), (138, 6036), (155, 6093), (167, 6159), (174, 6180), (186, 6216), (189, 6228), (193, 6264),

Gene: Austelle_8 Start: 6242, Stop: 6721, Start Num: 80

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), (19, 5894), (26, 5984), (27, 6008), (29, 6020), (39, 6086), (40, 6095), (42, 6101), (51, 6131), (52, 6137), (54, 6146), (68, 6191), (Start: 70 @6206 has 7 MA's), (73, 6221), (77, 6236), (Start: 80 @6242 has 1 MA's), (Start: 81 @6245 has 1 MA's), (Start: 98 @6302 has 30 MA's), (Start: 104 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (107, 6332), (Start: 112 @6353 has 45 MA's), (121, 6389), (136, 6443), (159, 6554), (160, 6560), (165, 6581), (173, 6608), (183, 6626), (188, 6650), (189, 6656),

Gene: Badfish_7 Start: 3878, Stop: 4411, Start Num: 70

Candidate Starts for Badfish_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Bae_9 Start: 6271, Stop: 6672, Start Num: 102

Candidate Starts for Bae_9:

(Start: 102 @6271 has 12 MA's), (109, 6298), (121, 6346), (134, 6394), (148, 6445), (155, 6478), (156, 6487), (159, 6511), (168, 6547), (193, 6649),

Gene: Baloo_10 Start: 5949, Stop: 6284, Start Num: 112

Candidate Starts for Baloo_10:

(Start: 112 @5949 has 45 MA's), (126, 5991), (129, 6003), (134, 6018), (138, 6036), (155, 6093), (167, 6159), (174, 6180), (186, 6216), (189, 6228), (193, 6264),

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

Candidate Starts for Bananafish_11:

(75, 7225), (78, 7234), (89, 7276), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: Banjo_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Banjo_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Basato_8 Start: 4199, Stop: 4645, Start Num: 95

Candidate Starts for Basato_8:

(Start: 70 @4112 has 7 MA's), (73, 4127), (Start: 95 @4199 has 254 MA's), (125, 4310), (156, 4436), (159, 4460), (165, 4487), (167, 4493), (169, 4499), (189, 4574),

Gene: BatteryCK_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for BatteryCK_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Beaglebox_7 Start: 3878, Stop: 4411, Start Num: 70

Candidate Starts for Beaglebox_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Ben11_9 Start: 5797, Stop: 6132, Start Num: 112

Candidate Starts for Ben11_9:

(Start: 112 @5797 has 45 MA's), (126, 5839), (129, 5851), (134, 5866), (138, 5884), (155, 5941), (167, 6007), (174, 6028), (186, 6064), (189, 6076), (193, 6112),

Gene: Bernardo_10 Start: 5977, Stop: 6312, Start Num: 112

Candidate Starts for Bernardo_10:

(Start: 112 @5977 has 45 MA's), (126, 6019), (129, 6031), (134, 6046), (138, 6064), (155, 6121), (167, 6187), (174, 6208), (186, 6244), (189, 6256), (193, 6292),

Gene: BiggityBass_6 Start: 4749, Stop: 5090, Start Num: 111

Candidate Starts for BiggityBass_6:

(Start: 111 @4749 has 3 MA's), (Start: 113 @4755 has 7 MA's), (124, 4785), (126, 4794), (128, 4803), (129, 4806), (131, 4812), (167, 4962), (192, 5061),

Gene: BirdsNest_11 Start: 4695, Stop: 5120, Start Num: 95

Candidate Starts for BirdsNest_11:

(47, 4506), (50, 4515), (72, 4617), (Start: 95 @4695 has 254 MA's), (109, 4740), (129, 4821), (147, 4884), (165, 4980), (181, 5016), (183, 5025), (189, 5055),

Gene: Bishoperium_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Bishoperium_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: BlackStallion_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for BlackStallion_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Blocker23_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for Blocker23_11:

(75, 7342), (78, 7351), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: BlueHusk_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for BlueHusk_7:

(69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (166, 4253), (167, 4256), (169, 4262), (189, 4337),

Gene: Bluephacebaby_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Bluephacebaby_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: BobRoss2024_6 Start: 4746, Stop: 5114, Start Num: 105

Candidate Starts for BobRoss2024_6:

(105, 4746), (Start: 106 @4749 has 2 MA's), (Start: 111 @4773 has 3 MA's), (126, 4818), (129, 4830), (131, 4836), (148, 4890), (149, 4896), (167, 4986), (183, 5025), (188, 5049), (192, 5085),

Gene: BobbyK_8 Start: 6242, Stop: 6718, Start Num: 81

Candidate Starts for BobbyK_8:

(5, 5771), (7, 5786), (8, 5789), (10, 5819), (13, 5846), (15, 5855), (16, 5861), (17, 5867), (19, 5891), (26, 5981), (27, 6005), (29, 6017), (39, 6083), (42, 6098), (51, 6128), (52, 6134), (54, 6143), (58, 6161), (Start: 70 @6203 has 7 MA's), (73, 6218), (77, 6233), (Start: 80 @6239 has 1 MA's), (Start: 81 @6242 has 1 MA's), (Start: 98 @6299 has 30 MA's), (Start: 104 @6317 has 1 MA's), (Start: 106 @6323 has 2 MA's), (107, 6329), (Start: 112 @6350 has 45 MA's), (121, 6386), (136, 6440), (159, 6551), (160, 6557), (165, 6578), (173, 6605), (183, 6623), (188, 6647), (189, 6653),

Gene: Boehler_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Boehler_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Boyle_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for Boyle_11:

(75, 7342), (78, 7351), (89, 7393), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: Briakila_10 Start: 6738, Stop: 7073, Start Num: 112

Candidate Starts for Briakila_10:

(Start: 112 @6738 has 45 MA's), (126, 6780), (129, 6792), (134, 6807), (138, 6825), (155, 6882), (167, 6948), (174, 6969), (186, 7005), (189, 7017), (193, 7053),

Gene: Brilliant_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Brilliant_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: BrownCNA_9 Start: 6553, Stop: 6972, Start Num: 98

Candidate Starts for BrownCNA_9:

(74, 6481), (Start: 98 @6553 has 30 MA's), (Start: 104 @6571 has 1 MA's), (Start: 106 @6577 has 2 MA's), (107, 6583), (Start: 112 @6604 has 45 MA's), (121, 6640), (136, 6694), (159, 6805), (160, 6811), (173, 6859), (183, 6877), (188, 6901), (189, 6907),

Gene: Brownie5_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for Brownie5_11:

(75, 7342), (78, 7351), (89, 7393), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: Buckeye_7 Start: 3967, Stop: 4413, Start Num: 95

Candidate Starts for Buckeye_7:

(67, 3853), (72, 3889), (Start: 95 @3967 has 254 MA's), (125, 4078), (156, 4204), (159, 4228), (165, 4255), (167, 4261), (169, 4267),

Gene: Burr_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Burr_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: CRB2_10 Start: 6980, Stop: 7420, Start Num: 88

Candidate Starts for CRB2_10:

(Start: 88 @6980 has 2 MA's), (Start: 104 @7025 has 1 MA's), (Start: 112 @7058 has 45 MA's), (154, 7223), (158, 7253), (159, 7259), (160, 7265), (173, 7313), (188, 7355),

Gene: CaiB_9 Start: 6416, Stop: 6754, Start Num: 113

Candidate Starts for CaiB_9:

(79, 6293), (83, 6311), (87, 6326), (90, 6338), (Start: 98 @6359 has 30 MA's), (101, 6371), (108, 6392), (Start: 113 @6416 has 7 MA's), (120, 6434), (126, 6455), (129, 6467), (131, 6473), (138, 6500), (160, 6599), (167, 6626), (183, 6665), (192, 6725), (194, 6740),

Gene: Calamitous_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Calamitous_11:

(75, 7225), (78, 7234), (89, 7276), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (149, 7477), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: CamL_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for CamL_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: CampRoach_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for CampRoach_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262),

Gene: Cannibal_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Cannibal_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Carthage_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Carthage_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: Casbah_9 Start: 5798, Stop: 6133, Start Num: 112

Candidate Starts for Casbah_9:

(Start: 112 @5798 has 45 MA's), (126, 5840), (129, 5852), (134, 5867), (138, 5885), (155, 5942), (167, 6008), (174, 6029), (186, 6065), (189, 6077), (193, 6113),

Gene: Cepens_5 Start: 2882, Stop: 3286, Start Num: 98

Candidate Starts for Cepens_5:

(Start: 98 @2882 has 30 MA's), (103, 2897), (109, 2921), (119, 2951), (143, 3044), (160, 3128), (169, 3161), (181, 3185), (182, 3191), (192, 3251),

Gene: ChaChing_10 Start: 5964, Stop: 6299, Start Num: 112

Candidate Starts for ChaChing_10:

(Start: 112 @5964 has 45 MA's), (126, 6006), (129, 6018), (134, 6033), (138, 6051), (155, 6108), (167, 6174), (174, 6195), (186, 6231), (189, 6243), (193, 6279),

Gene: Chaelin_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Chaelin_7:

(41, 3750), (Start: 45 @3765 has 3 MA's), (49, 3780), (52, 3789), (57, 3810), (69, 3870), (Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (109, 4011), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (166, 4254), (167, 4257), (169, 4263), (189, 4338),

Gene: Chah_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Chah_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Chandler_10 Start: 6712, Stop: 7047, Start Num: 112

Candidate Starts for Chandler_10:

(Start: 112 @6712 has 45 MA's), (126, 6754), (129, 6766), (134, 6781), (138, 6799), (155, 6856), (167, 6922), (174, 6943), (186, 6979), (189, 6991), (193, 7027),

Gene: Charles1_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Charles1_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: CharlieGBrown_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for CharlieGBrown_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: CharlottesWeb_7 Start: 4948, Stop: 5283, Start Num: 113

Candidate Starts for CharlottesWeb_7:

(Start: 113 @4948 has 7 MA's), (Start: 118 @4960 has 1 MA's), (120, 4966), (122, 4972), (124, 4978), (126, 4987), (128, 4996), (129, 4999), (131, 5005), (146, 5056), (149, 5065), (162, 5137), (192, 5254),

Gene: CheetO_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for CheetO_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Cher_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Cher_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Childish_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Childish_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Chorkpop_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Chorkpop_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: ChrisnMich_7 Start: 5203, Stop: 5616, Start Num: 98

Candidate Starts for ChrisnMich_7:

(Start: 98 @5203 has 30 MA's), (Start: 104 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 112 @5254 has 45 MA's), (136, 5344), (151, 5401), (152, 5404), (155, 5422), (156, 5431), (159, 5455), (160, 5461), (165, 5482), (173, 5509), (185, 5539), (192, 5587),

Gene: Chunky_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Chunky_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Chute_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Chute_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: CloverMinnie_9 Start: 6416, Stop: 6754, Start Num: 113

Candidate Starts for CloverMinnie_9:

(79, 6293), (83, 6311), (90, 6338), (Start: 98 @6359 has 30 MA's), (101, 6371), (108, 6392), (Start: 113 @6416 has 7 MA's), (120, 6434), (126, 6455), (129, 6467), (131, 6473), (138, 6500), (160, 6599), (167, 6626), (183, 6665), (192, 6725), (194, 6740),

Gene: Cobra_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Cobra_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Coffee_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for Coffee_11:

(75, 7342), (78, 7351), (89, 7393), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: Colbert_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Colbert_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Coldpizza_8 Start: 6855, Stop: 7208, Start Num: 111

Candidate Starts for Coldpizza_8:

(Start: 111 @6855 has 3 MA's), (Start: 113 @6861 has 7 MA's), (123, 6888), (129, 6912), (146, 6969), (153, 6999), (163, 7053), (167, 7068), (192, 7167),

Gene: Coletti_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Coletti_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Compostia_10 Start: 5957, Stop: 6292, Start Num: 112

Candidate Starts for Compostia_10:

(Start: 112 @5957 has 45 MA's), (126, 5999), (129, 6011), (134, 6026), (138, 6044), (155, 6101), (167, 6167), (174, 6188), (186, 6224), (189, 6236), (193, 6272),

Gene: Cooper_8 Start: 5288, Stop: 5677, Start Num: 106

Candidate Starts for Cooper_8:

(85, 5225), (Start: 98 @5264 has 30 MA's), (Start: 104 @5282 has 1 MA's), (Start: 106 @5288 has 2 MA's), (Start: 112 @5315 has 45 MA's), (116, 5330), (137, 5408), (146, 5447), (155, 5483), (159, 5516), (165, 5543), (173, 5570), (185, 5600),

Gene: Cornobble_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Cornobble_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Corofin_10 Start: 5974, Stop: 6309, Start Num: 112

Candidate Starts for Corofin_10:

(Start: 112 @5974 has 45 MA's), (126, 6016), (129, 6028), (134, 6043), (138, 6061), (155, 6118), (167, 6184), (174, 6205), (186, 6241), (189, 6253), (193, 6289),

Gene: Cosmolli16_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Cosmolli16_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263),

Gene: Craff_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Craff_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Crownjwl_8 Start: 4200, Stop: 4646, Start Num: 95

Candidate Starts for Crownjwl_8:

(41, 3987), (Start: 45 @4002 has 3 MA's), (49, 4017), (52, 4026), (57, 4047), (69, 4107), (Start: 70 @4113 has 7 MA's), (Start: 95 @4200 has 254 MA's), (109, 4248), (125, 4311), (156, 4437), (159, 4461), (165, 4488), (166, 4491), (167, 4494), (169, 4500), (189, 4575),

Gene: D12_05 Start: 2882, Stop: 3286, Start Num: 98

Candidate Starts for D12_05:

(Start: 98 @2882 has 30 MA's), (103, 2897), (109, 2921), (119, 2951), (143, 3044), (160, 3128), (169, 3161), (181, 3185), (182, 3191), (192, 3251),

Gene: DaddyDaniels_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for DaddyDaniels_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: Daffy_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Daffy_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Daisy_10 Start: 5952, Stop: 6287, Start Num: 112

Candidate Starts for Daisy_10:

(Start: 112 @5952 has 45 MA's), (126, 5994), (129, 6006), (134, 6021), (138, 6039), (155, 6096), (167, 6162), (174, 6183), (186, 6219), (189, 6231), (193, 6267),

Gene: Daka_7 Start: 3968, Stop: 4414, Start Num: 95

Candidate Starts for Daka_7:

(Start: 70 @3881 has 7 MA's), (Start: 95 @3968 has 254 MA's), (125, 4079), (156, 4205), (159, 4229), (165, 4256), (167, 4262), (169, 4268),

Gene: Dati_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Dati_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Deenasa_10 Start: 6712, Stop: 7047, Start Num: 112

Candidate Starts for Deenasa_10:

(Start: 112 @6712 has 45 MA's), (126, 6754), (129, 6766), (134, 6781), (138, 6799), (155, 6856), (167, 6922), (174, 6943), (186, 6979), (189, 6991), (193, 7027),

Gene: DelRivs_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for DelRivs_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (125, 4075), (156, 4201), (159, 4225), (165, 4252), (167, 4258), (169, 4264), (189, 4339),

Gene: Derpp_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Derpp_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Devonte_10 Start: 5949, Stop: 6284, Start Num: 112

Candidate Starts for Devonte_10:

(Start: 112 @5949 has 45 MA's), (126, 5991), (129, 6003), (134, 6018), (138, 6036), (155, 6093), (167, 6159), (174, 6180), (186, 6216), (189, 6228), (193, 6264),

Gene: Dice_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Dice_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (125, 4075), (156, 4201), (159, 4225), (165, 4252), (167, 4258), (169, 4264), (189, 4339),

Gene: DigitDog_9 Start: 6253, Stop: 6675, Start Num: 102

Candidate Starts for DigitDog_9:

(Start: 102 @6253 has 12 MA's), (109, 6280), (114, 6298), (134, 6376), (146, 6424), (155, 6460), (156, 6469), (159, 6493), (167, 6526), (177, 6565), (179, 6571), (193, 6652),

Gene: Dingo_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Dingo_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (166, 4253), (167, 4256), (169, 4262), (189, 4337),

Gene: Dione_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Dione_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: DirtJuice_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for DirtJuice_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Doddsville_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Doddsville_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: DoesntMatter_7 Start: 3875, Stop: 4408, Start Num: 70

Candidate Starts for DoesntMatter_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: DonSanchon_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for DonSanchon_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Donny_9 Start: 6267, Stop: 6668, Start Num: 102

Candidate Starts for Donny_9:

(Start: 102 @6267 has 12 MA's), (109, 6294), (Start: 112 @6306 has 45 MA's), (121, 6342), (134, 6390), (148, 6441), (155, 6474), (156, 6483), (159, 6507), (192, 6639), (193, 6645),

Gene: Dori_6 Start: 3274, Stop: 3681, Start Num: 96

Candidate Starts for Dori_6:

(60, 3136), (64, 3145), (Start: 96 @3274 has 5 MA's), (109, 3319), (114, 3337), (116, 3346), (120, 3364), (121, 3367), (126, 3388), (133, 3412), (147, 3463), (154, 3496), (156, 3508), (164, 3556), (167, 3565), (169, 3571), (191, 3646),

Gene: DuchessDung_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for DuchessDung_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Duggie_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Duggie_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: Durga_7 Start: 3961, Stop: 4407, Start Num: 95

Candidate Starts for Durga_7:

(Start: 70 @3874 has 7 MA's), (Start: 95 @3961 has 254 MA's), (109, 4009), (156, 4198), (159, 4222), (165, 4249), (166, 4252), (167, 4255), (169, 4261), (189, 4336),

Gene: Eaglehorse_11 Start: 7381, Stop: 7719, Start Num: 117

Candidate Starts for Eaglehorse_11:

(75, 7243), (78, 7252), (89, 7294), (92, 7300), (Start: 117 @7381 has 32 MA's), (121, 7396), (131, 7435), (138, 7462), (144, 7480), (148, 7489), (150, 7498), (153, 7513), (155, 7519), (183, 7624), (185, 7636), (193, 7690),

Gene: EastView9101_9 Start: 6267, Stop: 6668, Start Num: 102

Candidate Starts for EastView9101_9:

(Start: 102 @6267 has 12 MA's), (109, 6294), (Start: 112 @6306 has 45 MA's), (121, 6342), (134, 6390), (148, 6441), (155, 6474), (156, 6483), (159, 6507), (192, 6639), (193, 6645),

Gene: Emiris_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Emiris_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: EmpTee_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for EmpTee_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: Epah_7 Start: 5221, Stop: 5616, Start Num: 104

Candidate Starts for Epah_7:

(Start: 98 @5203 has 30 MA's), (Start: 104 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 112 @5254 has 45 MA's), (136, 5344), (151, 5401), (152, 5404), (155, 5422), (156, 5431), (159, 5455), (165, 5482), (173, 5509), (185, 5539), (192, 5587),

Gene: Eremos_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Eremos_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Etaye_7 Start: 3875, Stop: 4408, Start Num: 70

Candidate Starts for Etaye_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Eugenia_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Eugenia_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: Evaa_8 Start: 6248, Stop: 6592, Start Num: 111

Candidate Starts for Evaa_8:

(Start: 111 @6248 has 3 MA's), (124, 6284), (126, 6293), (129, 6305), (131, 6311), (138, 6338), (144, 6356), (148, 6365), (154, 6392), (155, 6395), (158, 6422), (160, 6434), (165, 6455), (167, 6461), (188, 6524), (192, 6560),

Gene: Fanaw_8 Start: 6320, Stop: 6721, Start Num: 104

Candidate Starts for Fanaw_8:

(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (19, 5894), (26, 5984), (27, 6008), (29, 6020), (39, 6086), (51, 6131), (52, 6137), (54, 6146), (68, 6191), (Start: 70 @6206 has 7 MA's), (73, 6221), (77, 6236), (Start: 80 @6242 has 1 MA's), (Start: 81 @6245 has 1 MA's), (Start: 98 @6302 has 30 MA's), (Start: 104 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (107, 6332), (Start: 112 @6353 has 45 MA's), (121, 6389), (136, 6443), (159, 6554), (160, 6560), (165, 6581), (173, 6608), (183, 6626), (188, 6650), (189, 6656),

Gene: Fang_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Fang_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

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

Candidate Starts for Faze9_11:

(75, 7342), (78, 7351), (89, 7393), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: FluffyNinja_7 Start: 3876, Stop: 4409, Start Num: 70

Candidate Starts for FluffyNinja_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Fozzie_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Fozzie_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (166, 4254), (167, 4257), (169, 4263), (189, 4338),

Gene: Frankicide_7 Start: 3967, Stop: 4413, Start Num: 95

Candidate Starts for Frankicide_7:

(Start: 70 @3880 has 7 MA's), (Start: 95 @3967 has 254 MA's), (125, 4078), (156, 4204), (159, 4228), (165, 4255), (167, 4261), (169, 4267),

Gene: Frederick_8 Start: 6302, Stop: 6721, Start Num: 98

Candidate Starts for Frederick_8:

(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (19, 5894), (26, 5984), (27, 6008), (29, 6020), (39, 6086), (42, 6101), (51, 6131), (52, 6137), (54, 6146), (58, 6164), (Start: 70 @6206 has 7 MA's), (73, 6221), (77, 6236), (Start: 80 @6242 has 1 MA's), (Start: 81 @6245 has 1 MA's), (Start: 98 @6302 has 30 MA's), (Start: 104 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (107, 6332), (Start: 112 @6353 has 45 MA's), (121, 6389), (136, 6443), (159, 6554), (160, 6560), (165, 6581), (173, 6608), (183, 6626), (188, 6650), (189, 6656),

Gene: FrenchFry_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for FrenchFry_11:

(75, 7342), (78, 7351), (89, 7393), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: Freya_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Freya_7:

(41, 3753), (Start: 45 @3768 has 3 MA's), (49, 3783), (52, 3792), (57, 3813), (69, 3873), (Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (109, 4014), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: FriarPreacher_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for FriarPreacher_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Fringe_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Fringe_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: FugateOSU_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for FugateOSU_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Funsized_13 Start: 8281, Stop: 8709, Start Num: 100

Candidate Starts for Funsized_13:

(Start: 100 @8281 has 2 MA's), (Start: 102 @8287 has 12 MA's), (108, 8308), (156, 8506), (159, 8530), (167, 8563), (168, 8566), (178, 8605), (179, 8608), (189, 8653),

Gene: Gadget_11 Start: 5953, Stop: 6288, Start Num: 112

Candidate Starts for Gadget_11:

(Start: 112 @5953 has 45 MA's), (126, 5995), (129, 6007), (134, 6022), (138, 6040), (155, 6097), (167, 6163), (174, 6184), (186, 6220), (189, 6232), (193, 6268),

Gene: Gareth_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Gareth_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: GeneCoco_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for GeneCoco_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Gervas_10 Start: 5944, Stop: 6279, Start Num: 112

Candidate Starts for Gervas_10:

(Start: 112 @5944 has 45 MA's), (126, 5986), (129, 5998), (134, 6013), (138, 6031), (155, 6088), (167, 6154), (174, 6175), (186, 6211), (189, 6223), (193, 6259),

Gene: GinPorsche_7 Start: 5221, Stop: 5616, Start Num: 104

Candidate Starts for GinPorsche_7:

(Start: 98 @5203 has 30 MA's), (Start: 104 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 112 @5254 has 45 MA's), (136, 5344), (151, 5401), (152, 5404), (155, 5422), (156, 5431), (159, 5455), (165, 5482), (173, 5509), (185, 5539), (192, 5587),

Gene: Giraffe_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Giraffe_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: Glass_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for Glass_11:

(75, 7342), (78, 7351), (89, 7393), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: GlenHope_11 Start: 5963, Stop: 6298, Start Num: 112

Candidate Starts for GlenHope_11:

(Start: 112 @5963 has 45 MA's), (126, 6005), (129, 6017), (134, 6032), (138, 6050), (155, 6107), (167, 6173), (174, 6194), (186, 6230), (189, 6242), (193, 6278),

Gene: GodPhather_5 Start: 2882, Stop: 3286, Start Num: 98

Candidate Starts for GodPhather_5:

(Start: 98 @2882 has 30 MA's), (109, 2921), (119, 2951), (143, 3044), (160, 3128), (165, 3149), (169, 3161), (181, 3185), (192, 3251),

Gene: Godines_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Godines_11:

(75, 7225), (78, 7234), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: Gophee_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Gophee_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Grand2040_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Grand2040_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263),

Gene: Gwilliam_8 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Gwilliam_8:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262),

Gene: Gyarad_007 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Gyarad_007:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: HSavage_7 Start: 3967, Stop: 4413, Start Num: 95

Candidate Starts for HSavage_7:

(Start: 70 @3880 has 7 MA's), (Start: 95 @3967 has 254 MA's), (125, 4078), (156, 4204), (159, 4228), (165, 4255), (167, 4261), (169, 4267),

Gene: Haimas_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Haimas_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Haleema_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Haleema_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Halfpint_9 Start: 5798, Stop: 6133, Start Num: 112

Candidate Starts for Halfpint_9:

(Start: 112 @5798 has 45 MA's), (126, 5840), (129, 5852), (134, 5867), (138, 5885), (155, 5942), (167, 6008), (174, 6029), (186, 6065), (189, 6077), (193, 6113),

Gene: Hally898_7 Start: 5221, Stop: 5616, Start Num: 104

Candidate Starts for Hally898_7:

(Start: 98 @5203 has 30 MA's), (Start: 104 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 112 @5254 has 45 MA's), (136, 5344), (151, 5401), (152, 5404), (155, 5422), (156, 5431), (159, 5455), (165, 5482), (173, 5509), (185, 5539), (192, 5587),

Gene: Hamish_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Hamish_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Hangman_8 Start: 6302, Stop: 6721, Start Num: 98

Candidate Starts for Hangman_8:

(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (19, 5894), (26, 5984), (27, 6008), (29, 6020), (39, 6086), (51, 6131), (52, 6137), (54, 6146), (58, 6164), (Start: 70 @6206 has 7 MA's), (73, 6221), (77, 6236), (Start: 80 @6242 has 1 MA's), (Start: 81 @6245 has 1 MA's), (Start: 98 @6302 has 30 MA's), (Start: 104 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (107, 6332), (Start: 112 @6353 has 45 MA's), (121, 6389), (136, 6443), (159, 6554), (160, 6560), (165, 6581), (173, 6608), (183, 6626), (188, 6650), (189, 6656),

Gene: Hartsy_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Hartsy_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Harvey_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Harvey_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (109, 4014), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: HarveySr_10 Start: 5950, Stop: 6285, Start Num: 112

Candidate Starts for HarveySr_10:

(Start: 112 @5950 has 45 MA's), (126, 5992), (129, 6004), (134, 6019), (138, 6037), (155, 6094), (167, 6160), (174, 6181), (186, 6217), (189, 6229), (193, 6265),

Gene: Hashim76_12 Start: 5115, Stop: 5540, Start Num: 95

Candidate Starts for Hashim76_12:

(72, 5037), (Start: 95 @5115 has 254 MA's), (109, 5160), (147, 5304), (165, 5400),

Gene: Heath_8 Start: 6302, Stop: 6721, Start Num: 98

Candidate Starts for Heath_8:

(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (19, 5894), (26, 5984), (27, 6008), (29, 6020), (39, 6086), (42, 6101), (51, 6131), (52, 6137), (54, 6146), (58, 6164), (Start: 70 @6206 has 7 MA's), (73, 6221), (77, 6236), (Start: 80 @6242 has 1 MA's), (Start: 81 @6245 has 1 MA's), (Start: 98 @6302 has 30 MA's), (Start: 104 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (107, 6332), (Start: 112 @6353 has 45 MA's), (121, 6389), (136, 6443), (159, 6554), (160, 6560), (165, 6581), (173, 6608), (183, 6626), (188, 6650), (189, 6656),

Gene: Heathcliff_10 Start: 5944, Stop: 6279, Start Num: 112

Candidate Starts for Heathcliff_10:

(Start: 112 @5944 has 45 MA's), (126, 5986), (129, 5998), (134, 6013), (138, 6031), (155, 6088), (167, 6154), (174, 6175), (186, 6211), (189, 6223), (193, 6259),

Gene: Hedgerow_11 Start: 7462, Stop: 7800, Start Num: 117

Candidate Starts for Hedgerow_11:

(75, 7324), (78, 7333), (89, 7375), (92, 7381), (Start: 117 @7462 has 32 MA's), (121, 7477), (131, 7516), (138, 7543), (144, 7561), (148, 7570), (150, 7579), (153, 7594), (155, 7600), (183, 7705), (185, 7717), (193, 7771),

Gene: Held_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Held_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: HenryJackson_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for HenryJackson_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Hertubise_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Hertubise_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Hetaeria_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Hetaeria_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: HighStump_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for HighStump_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Hocus_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Hocus_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Holeinone_11 Start: 7362, Stop: 7700, Start Num: 117

Candidate Starts for Holeinone_11:

(Start: 117 @7362 has 32 MA's), (121, 7377), (131, 7416), (138, 7443), (144, 7461), (148, 7470), (149, 7476), (150, 7479), (153, 7494), (154, 7497), (155, 7500), (183, 7605), (185, 7617), (193, 7671),

Gene: Horchata_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Horchata_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (125, 4075), (156, 4201), (159, 4225), (165, 4252), (167, 4258), (169, 4264), (189, 4339),

Gene: Hosp_04 Start: 2968, Stop: 3384, Start Num: 98

Candidate Starts for Hosp_04:

(93, 2953), (Start: 98 @2968 has 30 MA's), (Start: 112 @3019 has 45 MA's), (115, 3028), (154, 3184), (158, 3214), (159, 3220), (160, 3226), (185, 3304), (189, 3322), (190, 3325),

Gene: Hydro_8 Start: 6299, Stop: 6718, Start Num: 98

Candidate Starts for Hydro_8:

(5, 5771), (7, 5786), (8, 5789), (10, 5819), (13, 5846), (15, 5855), (16, 5861), (17, 5867), (19, 5891), (26, 5981), (27, 6005), (29, 6017), (39, 6083), (42, 6098), (51, 6128), (52, 6134), (54, 6143), (58, 6161), (Start: 70 @6203 has 7 MA's), (73, 6218), (77, 6233), (Start: 80 @6239 has 1 MA's), (Start: 81 @6242 has 1 MA's), (Start: 98 @6299 has 30 MA's), (Start: 104 @6317 has 1 MA's), (Start: 106 @6323 has 2 MA's), (107, 6329), (Start: 112 @6350 has 45 MA's), (121, 6386), (136, 6440), (159, 6551), (160, 6557), (165, 6578), (173, 6605), (183, 6623), (188, 6647), (189, 6653),

Gene: ImtiyazSitla_7 Start: 3764, Stop: 4408, Start Num: 45

Candidate Starts for ImtiyazSitla_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Imvubu_4 Start: 3089, Stop: 3511, Start Num: 102

Candidate Starts for Imvubu_4:

(Start: 102 @3089 has 12 MA's), (126, 3185), (145, 3257), (155, 3296), (159, 3329), (167, 3362), (178, 3404), (179, 3407), (189, 3452),

Gene: Inchworm_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Inchworm_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Indlovu_8 Start: 5946, Stop: 6359, Start Num: 98

Candidate Starts for Indlovu_8:

(1, 4827), (2, 5040), (3, 5112), (12, 5490), (Start: 95 @5937 has 254 MA's), (Start: 98 @5946 has 30 MA's), (Start: 104 @5964 has 1 MA's), (Start: 111 @5994 has 3 MA's), (Start: 112 @5997 has 45 MA's), (154, 6162), (158, 6192), (159, 6198), (165, 6225), (173, 6252), (183, 6270),

Gene: Inverness_7 Start: 3967, Stop: 4413, Start Num: 95

Candidate Starts for Inverness_7:

(Start: 70 @3880 has 7 MA's), (Start: 95 @3967 has 254 MA's), (125, 4078), (156, 4204), (159, 4228), (165, 4255), (167, 4261), (169, 4267),

Gene: Iridoclysis_7 Start: 3969, Stop: 4415, Start Num: 95

Candidate Starts for Iridoclysis_7:

(Start: 70 @3882 has 7 MA's), (Start: 95 @3969 has 254 MA's), (125, 4080), (156, 4206), (159, 4230), (165, 4257), (167, 4263), (169, 4269), (189, 4344),

Gene: IsaacEli_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for IsaacEli_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: ItsyBitsy1_11 Start: 7354, Stop: 7692, Start Num: 117

Candidate Starts for ItsyBitsy1_11:

(75, 7216), (78, 7225), (89, 7267), (92, 7273), (Start: 117 @7354 has 32 MA's), (121, 7369), (131, 7408), (138, 7435), (144, 7453), (148, 7462), (150, 7471), (153, 7486), (155, 7492), (183, 7597), (185, 7609), (193, 7663),

Gene: JAMaL_7 Start: 5846, Stop: 6244, Start Num: 106

Candidate Starts for JAMaL_7:

(Start: 98 @5822 has 30 MA's), (Start: 104 @5840 has 1 MA's), (Start: 106 @5846 has 2 MA's), (Start: 112 @5873 has 45 MA's), (136, 5963), (142, 5993), (151, 6020), (152, 6023), (155, 6041), (159, 6074), (173, 6128), (192, 6206),

Gene: JDog_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for JDog_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: JacAttac_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for JacAttac_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Jackstina_9 Start: 5866, Stop: 6201, Start Num: 112

Candidate Starts for Jackstina_9:

(Start: 112 @5866 has 45 MA's), (126, 5908), (129, 5920), (134, 5935), (138, 5953), (155, 6010), (167, 6076), (174, 6097), (186, 6133), (189, 6145), (193, 6181),

Gene: JaguarMi_9 Start: 6144, Stop: 6545, Start Num: 104

Candidate Starts for JaguarMi_9:

(76, 6057), (Start: 80 @6066 has 1 MA's), (Start: 81 @6069 has 1 MA's), (Start: 98 @6126 has 30 MA's), (Start: 104 @6144 has 1 MA's), (Start: 106 @6150 has 2 MA's), (107, 6156), (Start: 112 @6177 has 45 MA's), (121, 6213), (136, 6267), (159, 6378), (160, 6384), (165, 6405), (173, 6432), (188, 6474), (189, 6480),

Gene: JakeO_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for JakeO_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: JangoPhett_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for JangoPhett_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263),

Gene: Jeon_5 Start: 2882, Stop: 3286, Start Num: 98

Candidate Starts for Jeon_5:

(Start: 98 @2882 has 30 MA's), (109, 2921), (119, 2951), (143, 3044), (160, 3128), (165, 3149), (169, 3161), (181, 3185), (192, 3251),

Gene: Jillium_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Jillium_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Jiminy_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Jiminy_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: Jiraiya_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Jiraiya_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: Jolie1_06 Start: 4766, Stop: 5182, Start Num: 98

Candidate Starts for Jolie1_06:

(93, 4751), (Start: 98 @4766 has 30 MA's), (Start: 112 @4817 has 45 MA's), (115, 4826), (154, 4982), (158, 5012), (159, 5018), (185, 5102), (188, 5114), (189, 5120), (190, 5123),

Gene: KLucky39_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for KLucky39_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Kahve_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Kahve_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Kailash_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Kailash_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Kaleb_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for Kaleb_11:

(75, 7342), (78, 7351), (89, 7393), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: Kamiyu_10 Start: 5944, Stop: 6279, Start Num: 112

Candidate Starts for Kamiyu_10:

(Start: 112 @5944 has 45 MA's), (126, 5986), (129, 5998), (134, 6013), (138, 6031), (155, 6088), (167, 6154), (174, 6175), (186, 6211), (189, 6223), (193, 6259),

Gene: KarasumaRum_10 Start: 6414, Stop: 6836, Start Num: 102

Candidate Starts for KarasumaRum_10:

(Start: 102 @6414 has 12 MA's), (108, 6435), (109, 6441), (114, 6459), (134, 6537), (146, 6585), (155, 6621), (156, 6630), (159, 6654), (167, 6687), (177, 6726), (179, 6732), (193, 6813),

Gene: Katniss_7 Start: 3879, Stop: 4412, Start Num: 70

Candidate Starts for Katniss_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: KayaCho_6 Start: 4769, Stop: 5185, Start Num: 98

Candidate Starts for KayaCho_6:

(93, 4754), (Start: 98 @4769 has 30 MA's), (Start: 111 @4817 has 3 MA's), (Start: 112 @4820 has 45 MA's), (115, 4829), (154, 4985), (156, 4997), (158, 5015), (159, 5021), (160, 5027), (185, 5105), (188, 5117), (189, 5123), (190, 5126),

Gene: Keitherie_7 Start: 3961, Stop: 4407, Start Num: 95

Candidate Starts for Keitherie_7:

(Start: 70 @3874 has 7 MA's), (Start: 95 @3961 has 254 MA's), (125, 4072), (156, 4198), (159, 4222), (165, 4249), (167, 4255), (169, 4261), (189, 4336),

Gene: Kheth_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Kheth_11:

(75, 7225), (78, 7234), (89, 7276), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: Kikipoo_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Kikipoo_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Kimbrough_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Kimbrough_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: KingTut_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for KingTut_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: KingVeVeVe_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for KingVeVeVe_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (109, 4014), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (166, 4257), (167, 4260), (169, 4266), (189, 4341),

Gene: KlimbOn_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for KlimbOn_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Kloppinator_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Kloppinator_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Knocker_13 Start: 8739, Stop: 9161, Start Num: 102

Candidate Starts for Knocker_13:

(Start: 102 @8739 has 12 MA's), (Start: 106 @8751 has 2 MA's), (108, 8760), (109, 8766), (110, 8769), (126, 8835), (130, 8850), (145, 8907), (155, 8946), (159, 8979), (161, 8991), (167, 9012), (176, 9048), (179, 9057), (180, 9060), (184, 9075), (187, 9093), (189, 9102),

Gene: Kronus_9 Start: 6559, Stop: 6894, Start Num: 112

Candidate Starts for Kronus_9:

(Start: 112 @6559 has 45 MA's), (126, 6601), (129, 6613), (134, 6628), (138, 6646), (155, 6703), (167, 6769), (174, 6790), (186, 6826), (189, 6838), (193, 6874),

Gene: Kwadwo_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Kwadwo_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Kwksand96_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Kwksand96_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (166, 4253), (167, 4256), (169, 4262), (189, 4337),

Gene: Labeouficaum_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Labeouficaum_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Lambano_7 Start: 5221, Stop: 5616, Start Num: 104

Candidate Starts for Lambano_7:

(Start: 98 @5203 has 30 MA's), (Start: 104 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 112 @5254 has 45 MA's), (136, 5344), (151, 5401), (152, 5404), (155, 5422), (156, 5431), (159, 5455), (165, 5482), (173, 5509), (185, 5539), (192, 5587),

Gene: Lars_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for Lars_11:

(75, 7342), (78, 7351), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: LasagnaCat_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for LasagnaCat_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Lasso_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Lasso_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Laurie_11 Start: 7364, Stop: 7702, Start Num: 117

Candidate Starts for Laurie_11:

(75, 7226), (78, 7235), (89, 7277), (92, 7283), (Start: 117 @7364 has 32 MA's), (121, 7379), (131, 7418), (138, 7445), (144, 7463), (148, 7472), (149, 7478), (150, 7481), (153, 7496), (155, 7502), (183, 7607), (185, 7619), (193, 7673),

Gene: LeeLot_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for LeeLot_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Lego3393_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Lego3393_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Legolas_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Legolas_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: LeiMonet_7 Start: 3961, Stop: 4407, Start Num: 95

Candidate Starts for LeiMonet_7:

(Start: 70 @3874 has 7 MA's), (Start: 95 @3961 has 254 MA's), (109, 4009), (156, 4198), (159, 4222), (165, 4249), (166, 4252), (167, 4255), (169, 4261), (189, 4336),

Gene: LemonSlice_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for LemonSlice_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Lephleur_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Lephleur_11:

(75, 7225), (78, 7234), (89, 7276), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: LestyG_10 Start: 5953, Stop: 6288, Start Num: 112

Candidate Starts for LestyG_10:

(Start: 112 @5953 has 45 MA's), (126, 5995), (129, 6007), (134, 6022), (138, 6040), (155, 6097), (167, 6163), (186, 6220), (189, 6232), (193, 6268),

Gene: LilMcDreamy_9 Start: 7042, Stop: 7443, Start Num: 102

Candidate Starts for LilMcDreamy_9:

(6, 6490), (34, 6757), (36, 6775), (99, 7033), (Start: 102 @7042 has 12 MA's), (Start: 106 @7054 has 2 MA's), (109, 7069), (Start: 112 @7081 has 45 MA's), (134, 7165), (142, 7201), (159, 7282), (167, 7315), (169, 7321), (187, 7375),

Gene: LizLemon_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for LizLemon_11:

(75, 7342), (78, 7351), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: Lolalove_8 Start: 6299, Stop: 6718, Start Num: 98

Candidate Starts for Lolalove_8:

(5, 5771), (7, 5786), (8, 5789), (10, 5819), (13, 5846), (15, 5855), (16, 5861), (17, 5867), (19, 5891), (26, 5981), (27, 6005), (29, 6017), (39, 6083), (42, 6098), (51, 6128), (52, 6134), (54, 6143), (58, 6161), (Start: 70 @6203 has 7 MA's), (73, 6218), (77, 6233), (Start: 80 @6239 has 1 MA's), (Start: 81 @6242 has 1 MA's), (Start: 98 @6299 has 30 MA's), (Start: 104 @6317 has 1 MA's), (Start: 106 @6323 has 2 MA's), (107, 6329), (Start: 112 @6350 has 45 MA's), (121, 6386), (136, 6440), (159, 6551), (160, 6557), (165, 6578), (173, 6605), (183, 6623), (188, 6647), (189, 6653),

Gene: Longacauda_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Longacauda_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: Lopsy_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Lopsy_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: LostAndPhound_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for LostAndPhound_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: LuckyMarjie_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for LuckyMarjie_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Lulumae_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Lulumae_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: Lulwa_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Lulwa_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Lumine_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Lumine_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: MRabcd_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for MRabcd_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Mag7_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Mag7_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Magic8_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Magic8_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Magpie_8 Start: 6457, Stop: 6876, Start Num: 98

Candidate Starts for Magpie_8:

(76, 6388), (Start: 80 @6397 has 1 MA's), (Start: 81 @6400 has 1 MA's), (Start: 98 @6457 has 30 MA's), (Start: 104 @6475 has 1 MA's), (Start: 106 @6481 has 2 MA's), (107, 6487), (Start: 112 @6508 has 45 MA's), (121, 6544), (136, 6598), (159, 6709), (160, 6715), (165, 6736), (173, 6763), (183, 6781), (188, 6805), (189, 6811),

Gene: MakoManhole_9 Start: 6416, Stop: 6754, Start Num: 113

Candidate Starts for MakoManhole_9:

(79, 6293), (83, 6311), (90, 6338), (Start: 98 @6359 has 30 MA's), (101, 6371), (108, 6392), (Start: 113 @6416 has 7 MA's), (120, 6434), (126, 6455), (129, 6467), (131, 6473), (138, 6500), (160, 6599), (167, 6626), (183, 6665), (192, 6725), (194, 6740),

Gene: Mana_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Mana_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Manad_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Manad_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Mao1_5 Start: 3670, Stop: 4077, Start Num: 96

Candidate Starts for Mao1_5:

(86, 3637), (Start: 96 @3670 has 5 MA's), (109, 3715), (114, 3733), (116, 3742), (120, 3760), (121, 3763), (125, 3778), (152, 3877), (154, 3892), (157, 3907), (164, 3952), (167, 3961), (169, 3967), (191, 4042),

Gene: Marley1013_10 Start: 6739, Stop: 7074, Start Num: 112

Candidate Starts for Marley1013_10:

(Start: 112 @6739 has 45 MA's), (126, 6781), (129, 6793), (134, 6808), (138, 6826), (155, 6883), (167, 6949), (174, 6970), (186, 7006), (189, 7018), (193, 7054),

Gene: Maru_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Maru_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263),

Gene: Mask_6 Start: 3671, Stop: 4078, Start Num: 96

Candidate Starts for Mask_6:

(86, 3638), (Start: 96 @3671 has 5 MA's), (109, 3716), (114, 3734), (116, 3743), (120, 3761), (121, 3764), (125, 3779), (152, 3878), (154, 3893), (157, 3908), (164, 3953), (167, 3962), (169, 3968), (191, 4043),

Gene: Maskar_7 Start: 3764, Stop: 4408, Start Num: 45

Candidate Starts for Maskar_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: MasterPo_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for MasterPo_11:

(75, 7225), (78, 7234), (89, 7276), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185,

7618), (193, 7672),

Gene: Matalotodo_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Matalotodo_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: Mcshane_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Mcshane_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Mecca_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Mecca_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Megabear_5 Start: 2882, Stop: 3286, Start Num: 98

Candidate Starts for Megabear_5:

(Start: 98 @2882 has 30 MA's), (103, 2897), (109, 2921), (119, 2951), (143, 3044), (160, 3128), (169, 3161), (181, 3185), (182, 3191), (192, 3251),

Gene: Megamind20_8 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Megamind20_8:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Megatron_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Megatron_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Melc17_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Melc17_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (166, 4253), (167, 4256), (169, 4262), (189, 4337),

Gene: MelsMeow_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for MelsMeow_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (166, 4253), (167, 4256), (169, 4262), (189, 4337),

Gene: Mesh1_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Mesh1_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: MichaelPhcott_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for MichaelPhcott_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159,

4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Mikota_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Mikota_7:

(41, 3750), (Start: 45 @3765 has 3 MA's), (49, 3780), (52, 3789), (57, 3810), (69, 3870), (Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (166, 4254), (167, 4257), (169, 4263), (189, 4338),

Gene: MiniBoss_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for MiniBoss_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: MitKao_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for MitKao_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Mithril_8 Start: 6302, Stop: 6721, Start Num: 98

Candidate Starts for Mithril_8:

(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (18, 5879), (19, 5894), (26, 5984), (27, 6008), (29, 6020), (39, 6086), (42, 6101), (51, 6131), (52, 6137), (54, 6146), (68, 6191), (Start: 70 @6206 has 7 MA's), (73, 6221), (77, 6236), (Start: 80 @6242 has 1 MA's), (Start: 81 @6245 has 1 MA's), (Start: 98 @6302 has 30 MA's), (Start: 104 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (107, 6332), (Start: 112 @6353 has 45 MA's), (121, 6389), (136, 6443), (152, 6503), (159, 6554), (160, 6560), (165, 6581), (173, 6608), (183, 6626), (188, 6650), (189, 6656),

Gene: MmasiCarm_10 Start: 5949, Stop: 6284, Start Num: 112

Candidate Starts for MmasiCarm_10:

(Start: 112 @5949 has 45 MA's), (126, 5991), (129, 6003), (134, 6018), (138, 6036), (155, 6093), (167, 6159), (174, 6180), (186, 6216), (189, 6228), (193, 6264),

Gene: Morgushi_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Morgushi_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (189, 4338),

Gene: Mortcellus_9 Start: 6587, Stop: 6922, Start Num: 112

Candidate Starts for Mortcellus_9:

(Start: 112 @6587 has 45 MA's), (126, 6629), (129, 6641), (134, 6656), (138, 6674), (155, 6731), (167, 6797), (174, 6818), (186, 6854), (189, 6866), (193, 6902),

Gene: Morty_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Morty_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Morty007_10 Start: 6739, Stop: 7074, Start Num: 112

Candidate Starts for Morty007_10:

(Start: 112 @6739 has 45 MA's), (126, 6781), (129, 6793), (134, 6808), (138, 6826), (155, 6883), (167, 6949), (174, 6970), (186, 7006), (189, 7018), (193, 7054),

Gene: Mosaic_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Mosaic_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: MossRose_9 Start: 6416, Stop: 6754, Start Num: 113

Candidate Starts for MossRose_9:

(79, 6293), (83, 6311), (90, 6338), (Start: 98 @6359 has 30 MA's), (101, 6371), (108, 6392), (Start: 113 @6416 has 7 MA's), (120, 6434), (126, 6455), (129, 6467), (131, 6473), (138, 6500), (160, 6599), (167, 6626), (183, 6665), (191, 6707), (192, 6725), (194, 6740),

Gene: MrPhizzler_7 Start: 3961, Stop: 4407, Start Num: 95

Candidate Starts for MrPhizzler_7:

(Start: 70 @3874 has 7 MA's), (Start: 95 @3961 has 254 MA's), (109, 4009), (156, 4198), (159, 4222), (165, 4249), (166, 4252), (167, 4255), (169, 4261), (189, 4336),

Gene: Mudslide_8 Start: 6550, Stop: 6969, Start Num: 98

Candidate Starts for Mudslide_8:

(74, 6478), (Start: 98 @6550 has 30 MA's), (Start: 104 @6568 has 1 MA's), (Start: 106 @6574 has 2 MA's), (107, 6580), (Start: 112 @6601 has 45 MA's), (121, 6637), (136, 6691), (159, 6802), (160, 6808), (165, 6829), (173, 6856), (183, 6874), (188, 6898), (189, 6904),

Gene: Mulan_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Mulan_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Murdoc_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Murdoc_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Mutante_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Mutante_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Mysterious_9 Start: 6540, Stop: 6941, Start Num: 102

Candidate Starts for Mysterious_9:

(Start: 102 @6540 has 12 MA's), (Start: 106 @6552 has 2 MA's), (108, 6561), (109, 6567), (Start: 112 @6579 has 45 MA's), (134, 6663), (142, 6699), (148, 6714), (155, 6747), (156, 6756), (159, 6780), (161, 6792), (169, 6819), (189, 6882), (193, 6918),

Gene: NHagos_7 Start: 4896, Stop: 5237, Start Num: 111

Candidate Starts for NHagos_7:

(Start: 111 @4896 has 3 MA's), (Start: 113 @4902 has 7 MA's), (122, 4926), (126, 4941), (127, 4944), (129, 4953), (142, 4998), (149, 5019), (160, 5082), (167, 5109), (192, 5208), (195, 5226),

Gene: Nacho_007 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Nacho_007:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Nanao_7 Start: 5221, Stop: 5616, Start Num: 104

Candidate Starts for Nanao_7:

(Start: 98 @5203 has 30 MA's), (Start: 104 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 112 @5254 has 45 MA's), (136, 5344), (151, 5401), (152, 5404), (155, 5422), (156, 5431), (159, 5455), (165, 5482), (173, 5509), (185, 5539), (192, 5587),

Gene: Nangang_9 Start: 6253, Stop: 6675, Start Num: 102

Candidate Starts for Nangang_9:

(Start: 102 @6253 has 12 MA's), (109, 6280), (114, 6298), (134, 6376), (146, 6424), (155, 6460), (156, 6469), (159, 6493), (167, 6526), (177, 6565), (179, 6571), (193, 6652),

Gene: Nehemiah_8 Start: 6540, Stop: 6941, Start Num: 102

Candidate Starts for Nehemiah_8:

(Start: 102 @6540 has 12 MA's), (Start: 106 @6552 has 2 MA's), (108, 6561), (109, 6567), (Start: 112 @6579 has 45 MA's), (134, 6663), (155, 6747), (156, 6756), (159, 6780), (161, 6792), (169, 6819), (189, 6882), (193, 6918),

Gene: Neos5_10 Start: 6739, Stop: 7074, Start Num: 112

Candidate Starts for Neos5_10:

(Start: 112 @6739 has 45 MA's), (126, 6781), (129, 6793), (134, 6808), (138, 6826), (155, 6883), (167, 6949), (174, 6970), (186, 7006), (189, 7018), (193, 7054),

Gene: Newman_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Newman_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Nicole21_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Nicole21_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263),

Gene: Nigel_6 Start: 5100, Stop: 5522, Start Num: 98

Candidate Starts for Nigel_6:

(Start: 98 @5100 has 30 MA's), (Start: 104 @5118 has 1 MA's), (Start: 106 @5124 has 2 MA's), (Start: 112 @5151 has 45 MA's), (136, 5241), (142, 5271), (151, 5298), (152, 5301), (155, 5319), (159, 5352), (165, 5379), (173, 5406), (192, 5484),

Gene: Nozo_10 Start: 6711, Stop: 7046, Start Num: 112

Candidate Starts for Nozo_10:

(Start: 112 @6711 has 45 MA's), (126, 6753), (129, 6765), (134, 6780), (138, 6798), (155, 6855), (167, 6921), (174, 6942), (186, 6978), (189, 6990), (193, 7026),

Gene: Numberten_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Numberten_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Nyala_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Nyala_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: OSmaximus_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for OSmaximus_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (166, 4254), (167, 4257), (169, 4263), (189, 4338),

Gene: Obutu_10 Start: 5950, Stop: 6285, Start Num: 112

Candidate Starts for Obutu_10:

(Start: 112 @5950 has 45 MA's), (126, 5992), (129, 6004), (134, 6019), (138, 6037), (155, 6094), (167, 6160), (174, 6181), (186, 6217), (189, 6229), (193, 6265),

Gene: Olak_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Olak_7:

(41, 3750), (Start: 45 @3765 has 3 MA's), (49, 3780), (52, 3789), (57, 3810), (69, 3870), (Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (109, 4011), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (166, 4254), (167, 4257), (169, 4263), (189, 4338),

Gene: Oline_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Oline_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Olive_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Olive_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: OliverWalter_7 Start: 3961, Stop: 4407, Start Num: 95

Candidate Starts for OliverWalter_7:

(Start: 70 @3874 has 7 MA's), (Start: 95 @3961 has 254 MA's), (125, 4072), (156, 4198), (159, 4222), (165, 4249), (167, 4255), (169, 4261),

Gene: Omniscient_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Omniscient_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Oosterbaan_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Oosterbaan_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Opia_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Opia_11:

(75, 7225), (78, 7234), (89, 7276), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: OrangeOswald_10 Start: 5949, Stop: 6284, Start Num: 112

Candidate Starts for OrangeOswald_10:

(Start: 112 @5949 has 45 MA's), (126, 5991), (129, 6003), (134, 6018), (138, 6036), (155, 6093), (167, 6159), (174, 6180), (186, 6216), (189, 6228), (193, 6264),

Gene: Orfeu_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Orfeu_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (125, 4075), (156, 4201), (159, 4225), (165, 4252), (167, 4258), (169, 4264), (189, 4339),

Gene: Orion_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Orion_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Orwigg_8 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Orwigg_8:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: PG1_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for PG1_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: PR_05 Start: 2882, Stop: 3286, Start Num: 98

Candidate Starts for PR_05:

(Start: 98 @2882 has 30 MA's), (103, 2897), (109, 2921), (119, 2951), (143, 3044), (160, 3128), (169, 3161), (181, 3185), (182, 3191), (192, 3251),

Gene: Pacifista_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Pacifista_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (166, 4253), (167, 4256), (169, 4262), (189, 4337),

Gene: PenguinLover67_11 Start: 7154, Stop: 7573, Start Num: 96

Candidate Starts for PenguinLover67_11:

(31, 6878), (40, 6944), (Start: 45 @6962 has 3 MA's), (52, 6986), (55, 7001), (56, 7004), (59, 7016), (62, 7022), (63, 7025), (65, 7034), (Start: 70 @7064 has 7 MA's), (71, 7070), (73, 7079), (Start: 80 @7103 has 1 MA's), (Start: 96 @7154 has 5 MA's), (Start: 111 @7208 has 3 MA's), (Start: 112 @7211 has 45 MA's), (146, 7343), (154, 7376), (158, 7406), (159, 7412), (160, 7418), (165, 7439), (173, 7466),

Gene: Phaedrus_9 Start: 5866, Stop: 6201, Start Num: 112

Candidate Starts for Phaedrus_9:

(Start: 112 @5866 has 45 MA's), (126, 5908), (129, 5920), (134, 5935), (138, 5953), (155, 6010), (167, 6076), (174, 6097), (186, 6133), (189, 6145), (193, 6181),

Gene: Phamished_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Phamished_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Phantasmagoria_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Phantasmagoria_11:

(75, 7225), (78, 7234), (89, 7276), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185,

7618), (193, 7672),

Gene: Phareon_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Phareon_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: PhatCats2014_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for PhatCats2014_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: PhatLouie_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for PhatLouie_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Phayeta_10 Start: 5825, Stop: 6160, Start Num: 112

Candidate Starts for Phayeta_10:

(Start: 112 @5825 has 45 MA's), (126, 5867), (129, 5879), (134, 5894), (138, 5912), (155, 5969), (167, 6035), (174, 6056), (186, 6092), (189, 6104), (193, 6140),

Gene: Phelemich_9 Start: 6543, Stop: 6944, Start Num: 102

Candidate Starts for Phelemich_9:

(Start: 102 @6543 has 12 MA's), (Start: 106 @6555 has 2 MA's), (107, 6561), (108, 6564), (Start: 112 @6582 has 45 MA's), (134, 6666), (142, 6702), (148, 6717), (155, 6750), (156, 6759), (159, 6783), (189, 6885), (193, 6921),

Gene: PhenghisKhan_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for PhenghisKhan_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Pherdinand_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Pherdinand_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Phergie_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Phergie_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Philly_9 Start: 5839, Stop: 6174, Start Num: 112

Candidate Starts for Philly_9:

(Start: 112 @5839 has 45 MA's), (126, 5881), (129, 5893), (134, 5908), (138, 5926), (155, 5983), (167, 6049), (174, 6070), (186, 6106), (189, 6118), (193, 6154),

Gene: Phipps_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Phipps_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Phleuron_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Phleuron_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Phlyer_10 Start: 6706, Stop: 7041, Start Num: 112

Candidate Starts for Phlyer_10:

(Start: 112 @6706 has 45 MA's), (126, 6748), (129, 6760), (134, 6775), (138, 6793), (155, 6850), (167, 6916), (174, 6937), (186, 6973), (189, 6985), (193, 7021),

Gene: PhrankReynolds_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for PhrankReynolds_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: PhrodoBaggins_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for PhrodoBaggins_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Phunky_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Phunky_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Piglet_007 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Piglet_007:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: PinheadLarry_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for PinheadLarry_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Pinkman_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Pinkman_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Pipefish_10 Start: 6844, Stop: 7179, Start Num: 112

Candidate Starts for Pipefish_10:

(Start: 112 @6844 has 45 MA's), (126, 6886), (129, 6898), (134, 6913), (138, 6931), (155, 6988), (167, 7054), (174, 7075), (186, 7111), (189, 7123), (193, 7159),

Gene: Pipsqueak_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Pipsqueak_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Placalicious_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Placalicious_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Plmatters_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Plmatters_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Podrick_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Podrick_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Pops_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Pops_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265),

Gene: Poster_7 Start: 5221, Stop: 5616, Start Num: 104

Candidate Starts for Poster_7:

(Start: 98 @5203 has 30 MA's), (Start: 104 @5221 has 1 MA's), (Start: 106 @5227 has 2 MA's), (Start: 112 @5254 has 45 MA's), (136, 5344), (151, 5401), (152, 5404), (155, 5422), (156, 5431), (159, 5455), (165, 5482), (173, 5509), (185, 5539), (192, 5587),

Gene: Potter_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Potter_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Prickles_7 Start: 3971, Stop: 4417, Start Num: 95

Candidate Starts for Prickles_7:

(Start: 70 @3884 has 7 MA's), (Start: 95 @3971 has 254 MA's), (125, 4082), (156, 4208), (159, 4232), (165, 4259), (167, 4265), (169, 4271),

Gene: Prince_8 Start: 6462, Stop: 6881, Start Num: 98

Candidate Starts for Prince_8:

(69, 6366), (71, 6378), (Start: 98 @6462 has 30 MA's), (Start: 104 @6480 has 1 MA's), (Start: 106 @6486 has 2 MA's), (107, 6492), (Start: 112 @6513 has 45 MA's), (121, 6549), (136, 6603), (159, 6714), (160, 6720), (165, 6741), (173, 6768), (183, 6786), (188, 6810), (189, 6816),

Gene: ProfessorX_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for ProfessorX_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Puhltonio_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Puhltonio_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: QueenBeane_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for QueenBeane_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: QueenPie_8 Start: 6109, Stop: 6507, Start Num: 104

Candidate Starts for QueenPie_8:

(Start: 98 @6091 has 30 MA's), (Start: 104 @6109 has 1 MA's), (Start: 106 @6115 has 2 MA's), (Start: 112 @6142 has 45 MA's), (135, 6229), (155, 6310), (156, 6319), (159, 6343), (165, 6370), (173, 6397), (185, 6427), (192, 6475),

Gene: Quesadilla_10 Start: 6979, Stop: 7392, Start Num: 98

Candidate Starts for Quesadilla_10:

(37, 6742), (40, 6766), (43, 6772), (46, 6781), (48, 6787), (52, 6802), (59, 6832), (62, 6838), (63, 6841), (Start: 70 @6880 has 7 MA's), (71, 6886), (73, 6895), (Start: 80 @6919 has 1 MA's), (Start: 95 @6970 has 254 MA's), (Start: 98 @6979 has 30 MA's), (Start: 112 @7030 has 45 MA's), (115, 7039), (136, 7120), (140, 7138), (151, 7177), (154, 7195), (159, 7231), (160, 7237), (183, 7303), (189, 7333),

Gene: Quisquiliae_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Quisquiliae_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Qyrzula_11 Start: 7453, Stop: 7791, Start Num: 117

Candidate Starts for Qyrzula_11:

(75, 7315), (78, 7324), (92, 7372), (Start: 117 @7453 has 32 MA's), (121, 7468), (131, 7507), (138, 7534), (144, 7552), (148, 7561), (150, 7570), (153, 7585), (155, 7591), (183, 7696), (185, 7708), (193, 7762),

Gene: RagingRooster_10 Start: 5950, Stop: 6285, Start Num: 112

Candidate Starts for RagingRooster_10:

(Start: 112 @5950 has 45 MA's), (126, 5992), (129, 6004), (134, 6019), (138, 6037), (155, 6094), (167, 6160), (174, 6181), (186, 6217), (189, 6229), (193, 6265),

Gene: RawrgerThat_8 Start: 6296, Stop: 6715, Start Num: 98

Candidate Starts for RawrgerThat_8:

(4, 5729), (5, 5771), (7, 5786), (8, 5789), (10, 5819), (13, 5846), (15, 5855), (16, 5861), (17, 5867), (19, 5891), (26, 5981), (27, 6005), (30, 6023), (33, 6032), (39, 6080), (42, 6095), (51, 6125), (52, 6131), (54, 6140), (58, 6158), (Start: 70 @6200 has 7 MA's), (73, 6215), (77, 6230), (Start: 80 @6236 has 1 MA's), (Start: 81 @6239 has 1 MA's), (Start: 98 @6296 has 30 MA's), (Start: 104 @6314 has 1 MA's), (Start: 106 @6320 has 2 MA's), (107, 6326), (Start: 112 @6347 has 45 MA's), (121, 6383), (136, 6437), (159, 6548), (160, 6554), (173, 6602), (183, 6620), (188, 6644), (189, 6650),

Gene: RedMaple_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for RedMaple_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (164, 4247), (165, 4250), (167, 4256), (169, 4262),

Gene: Reprobate_9 Start: 6540, Stop: 6941, Start Num: 102

Candidate Starts for Reprobate_9:

(Start: 102 @6540 has 12 MA's), (Start: 106 @6552 has 2 MA's), (107, 6558), (108, 6561), (Start: 112 @6579 has 45 MA's), (134, 6663), (142, 6699), (148, 6714), (155, 6747), (156, 6756), (159, 6780), (189, 6882), (193, 6918),

Gene: Rhinoforte_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for Rhinoforte_11:

(75, 7342), (78, 7351), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (149, 7594), (150, 7597), (153, 7612), (154, 7615), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: Rich_9 Start: 6268, Stop: 6669, Start Num: 102

Candidate Starts for Rich_9:

(Start: 102 @6268 has 12 MA's), (109, 6295), (121, 6343), (134, 6391), (148, 6442), (155, 6475), (156, 6484), (159, 6508), (168, 6544), (193, 6646),

Gene: Ricotta_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Ricotta_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (125, 4075), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: Riggan_7 Start: 3969, Stop: 4415, Start Num: 95

Candidate Starts for Riggan_7:

(Start: 70 @3882 has 7 MA's), (Start: 95 @3969 has 254 MA's), (125, 4080), (156, 4206), (159, 4230), (165, 4257), (167, 4263), (169, 4269), (189, 4344),

Gene: Rimu_7 Start: 3961, Stop: 4407, Start Num: 95

Candidate Starts for Rimu_7:

(Start: 70 @3874 has 7 MA's), (Start: 95 @3961 has 254 MA's), (109, 4009), (156, 4198), (159, 4222), (165, 4249), (166, 4252), (167, 4255), (169, 4261), (189, 4336),

Gene: Rinkes_12 Start: 8096, Stop: 8527, Start Num: 100

Candidate Starts for Rinkes_12:

(Start: 100 @8096 has 2 MA's), (Start: 102 @8102 has 12 MA's), (108, 8123), (130, 8213), (155, 8312), (159, 8345), (167, 8378), (180, 8426), (183, 8438),

Gene: Rita1961_10 Start: 5950, Stop: 6285, Start Num: 112

Candidate Starts for Rita1961_10:

(Start: 112 @5950 has 45 MA's), (126, 5992), (129, 6004), (134, 6019), (138, 6037), (155, 6094), (167, 6160), (174, 6181), (186, 6217), (189, 6229), (193, 6265),

Gene: Robyn_7 Start: 3967, Stop: 4413, Start Num: 95

Candidate Starts for Robyn_7:

(Start: 70 @3880 has 7 MA's), (Start: 95 @3967 has 254 MA's), (125, 4078), (156, 4204), (159, 4228), (165, 4255), (167, 4261), (169, 4267),

Gene: Roliet_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Roliet_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: RomaT_10 Start: 6712, Stop: 7047, Start Num: 112

Candidate Starts for RomaT_10:

(Start: 112 @6712 has 45 MA's), (126, 6754), (129, 6766), (134, 6781), (138, 6799), (155, 6856), (167, 6922), (174, 6943), (186, 6979), (189, 6991), (193, 7027),

Gene: Roscoe_8 Start: 4200, Stop: 4646, Start Num: 95

Candidate Starts for Roscoe_8:

(41, 3987), (Start: 45 @4002 has 3 MA's), (49, 4017), (52, 4026), (57, 4047), (69, 4107), (Start: 70 @4113 has 7 MA's), (Start: 95 @4200 has 254 MA's), (109, 4248), (125, 4311), (156, 4437), (159, 4461), (165, 4488), (166, 4491), (167, 4494), (169, 4500), (189, 4575),

Gene: Rosebush_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for Rosebush_11:

(75, 7342), (78, 7351), (89, 7393), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: Roy17_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Roy17_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: SDcharge11_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for SDcharge11_7:

(69, 3871), (Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (125, 4075), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: Sabella_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Sabella_11:

(75, 7225), (78, 7234), (89, 7276), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: Saguaro_10 Start: 7187, Stop: 7600, Start Num: 98

Candidate Starts for Saguaro_10:

(71, 7094), (73, 7103), (Start: 80 @7127 has 1 MA's), (Start: 81 @7130 has 1 MA's), (Start: 98 @7187 has 30 MA's), (Start: 112 @7238 has 45 MA's), (115, 7247), (146, 7370), (151, 7385), (154, 7403), (158, 7433), (159, 7439), (165, 7466), (172, 7490), (173, 7493),

Gene: Samaymay_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Samaymay_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: SassyCat97_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for SassyCat97_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Schadenfreude_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Schadenfreude_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Schueller_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Schueller_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Scoot17C_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Scoot17C_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: Scrick_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Scrick_7:

(41, 3753), (Start: 45 @3768 has 3 MA's), (49, 3783), (52, 3792), (57, 3813), (69, 3873), (Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (109, 4014), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (166, 4257), (167, 4260), (169, 4266), (189, 4341),

Gene: Sejanus_6 Start: 3671, Stop: 4078, Start Num: 96

Candidate Starts for Sejanus_6:

(86, 3638), (Start: 96 @3671 has 5 MA's), (109, 3716), (114, 3734), (116, 3743), (120, 3761), (121, 3764), (125, 3779), (152, 3878), (154, 3893), (157, 3908), (164, 3953), (167, 3962), (169, 3968), (191, 4043),

Gene: Selr12_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Selr12_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (109, 4013), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Serendipitous_9 Start: 6319, Stop: 6720, Start Num: 102

Candidate Starts for Serendipitous_9:

(Start: 102 @6319 has 12 MA's), (109, 6346), (121, 6394), (134, 6442), (142, 6478), (148, 6493), (155, 6526), (156, 6535), (159, 6559), (192, 6691), (193, 6697),

Gene: Serendipity_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Serendipity_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Serpentine_007 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Serpentine_007:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Sheila_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Sheila_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Shenyu_9 Start: 6253, Stop: 6675, Start Num: 102

Candidate Starts for Shenyu_9:

(Start: 102 @6253 has 12 MA's), (109, 6280), (114, 6298), (134, 6376), (146, 6424), (155, 6460), (156, 6469), (159, 6493), (167, 6526), (177, 6565), (179, 6571), (193, 6652),

Gene: ShiVal_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for ShiVal_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Sigman_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Sigman_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: SilverBell_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for SilverBell_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Simielle_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Simielle_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: SirJeffery_9 Start: 6267, Stop: 6668, Start Num: 102

Candidate Starts for SirJeffery_9:

(Start: 102 @6267 has 12 MA's), (109, 6294), (Start: 112 @6306 has 45 MA's), (121, 6342), (134, 6390), (148, 6441), (155, 6474), (156, 6483), (159, 6507), (192, 6639), (193, 6645),

Gene: Skippy_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Skippy_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Slatt_7 Start: 3967, Stop: 4413, Start Num: 95

Candidate Starts for Slatt_7:

(Start: 70 @3880 has 7 MA's), (Start: 95 @3967 has 254 MA's), (125, 4078), (156, 4204), (159, 4228), (165, 4255), (167, 4261), (169, 4267), (189, 4342),

Gene: SlippinJimmy_10 Start: 6711, Stop: 7046, Start Num: 112

Candidate Starts for SlippinJimmy_10:

(Start: 112 @6711 has 45 MA's), (126, 6753), (129, 6765), (134, 6780), (138, 6798), (155, 6855), (167, 6921), (174, 6942), (186, 6978), (189, 6990), (193, 7026),

Gene: Soile_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Soile_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (125, 4075), (156, 4201), (159, 4225), (165, 4252), (167, 4258), (169, 4264), (189, 4339),

Gene: Solosis_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Solosis_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Sophia_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Sophia_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Soto_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Soto_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (166, 4253), (167, 4256), (169, 4262), (189, 4337),

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

Candidate Starts for Sour_10:

(Start: 113 @6600 has 7 MA's), (Start: 118 @6612 has 1 MA's), (122, 6624), (124, 6630), (128, 6648), (129, 6651), (131, 6657), (132, 6660), (138, 6684), (148, 6711), (149, 6717), (160, 6780), (181, 6837), (192, 6906),

Gene: Spartan300_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Spartan300_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Squid_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Squid_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Squiggle_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Squiggle_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: StAugustine_14 Start: 8961, Stop: 9371, Start Num: 98

Candidate Starts for StAugustine_14:

(14, 8484), (18, 8511), (20, 8535), (22, 8550), (23, 8556), (25, 8589), (32, 8670), (38, 8718), (42, 8736), (53, 8778), (59, 8802), (66, 8832), (82, 8904), (84, 8919), (Start: 98 @8961 has 30 MA's), (Start: 112 @9012 has 45 MA's), (145, 9144), (158, 9207), (159, 9213), (171, 9261),

Gene: Stinger_6 Start: 4739, Stop: 5161, Start Num: 98

Candidate Starts for Stinger_6:

(Start: 98 @4739 has 30 MA's), (Start: 104 @4757 has 1 MA's), (Start: 106 @4763 has 2 MA's), (Start: 112 @4790 has 45 MA's), (136, 4880), (142, 4910), (151, 4937), (152, 4940), (155, 4958), (159, 4991), (173, 5045), (189, 5093), (192, 5123),

Gene: StinkyVeggy_10 Start: 6414, Stop: 6836, Start Num: 102

Candidate Starts for StinkyVeggy_10:

(Start: 102 @6414 has 12 MA's), (108, 6435), (109, 6441), (114, 6459), (134, 6537), (146, 6585), (155, 6621), (156, 6630), (159, 6654), (167, 6687), (177, 6726), (179, 6732), (193, 6813),

Gene: Struggle_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Struggle_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Suffolk_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Suffolk_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (125, 4075), (156, 4201), (159, 4225), (165, 4252), (167, 4258), (169, 4264),

Gene: Suigeneris_9 Start: 6267, Stop: 6668, Start Num: 102

Candidate Starts for Suigeneris_9:

(Start: 102 @6267 has 12 MA's), (109, 6294), (Start: 112 @6306 has 45 MA's), (121, 6342), (134, 6390), (148, 6441), (155, 6474), (156, 6483), (159, 6507), (192, 6639), (193, 6645),

Gene: Surely_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Surely_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Swiphy_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Swiphy_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (166, 4256), (167, 4259), (169, 4265), (189, 4340),

Gene: Swish_7 Start: 3879, Stop: 4412, Start Num: 70

Candidate Starts for Swish_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: SynergyX_10 Start: 5950, Stop: 6285, Start Num: 112

Candidate Starts for SynergyX_10:

(Start: 112 @5950 has 45 MA's), (126, 5992), (129, 6004), (134, 6019), (138, 6037), (155, 6094), (167, 6160), (174, 6181), (186, 6217), (189, 6229), (193, 6265),

Gene: TA17A_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for TA17A_11:

(75, 7225), (78, 7234), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (149, 7477), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: TPA2_16 Start: 7599, Stop: 7940, Start Num: 111

Candidate Starts for TPA2_16:

(94, 7536), (Start: 111 @7599 has 3 MA's), (126, 7644), (128, 7653), (129, 7656), (132, 7665), (138, 7689), (148, 7716), (159, 7782), (167, 7815), (188, 7878), (192, 7914), (194, 7929), (196, 7935),

Gene: TallGrassMM_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for TallGrassMM_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Taptic_5 Start: 2882, Stop: 3286, Start Num: 98

Candidate Starts for Taptic_5:

(Start: 98 @2882 has 30 MA's), (103, 2897), (109, 2921), (119, 2951), (143, 3044), (160, 3128), (169, 3161), (181, 3185), (182, 3191), (192, 3251),

Gene: Telesworld_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Telesworld_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Thonko_6 Start: 3289, Stop: 3702, Start Num: 97

Candidate Starts for Thonko_6:

(61, 3148), (Start: 97 @3289 has 1 MA's), (Start: 111 @3340 has 3 MA's), (Start: 112 @3343 has 45 MA's), (115, 3352), (151, 3490), (158, 3538), (159, 3544), (161, 3556), (165, 3571), (167, 3577), (184, 3619), (185, 3628),

Gene: Thora_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Thora_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: ThreeOh3D2_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for ThreeOh3D2_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Thunderbird_7 Start: 3964, Stop: 4410, Start Num: 95

Candidate Starts for Thunderbird_7:

(Start: 70 @3877 has 7 MA's), (Start: 95 @3964 has 254 MA's), (109, 4012), (156, 4201), (159, 4225), (165, 4252), (166, 4255), (167, 4258), (169, 4264), (189, 4339),

Gene: Timmi_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Timmi_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Tinciduntolum_12 Start: 7479, Stop: 7817, Start Num: 117

Candidate Starts for Tinciduntolum_12:

(75, 7341), (78, 7350), (89, 7392), (92, 7398), (Start: 117 @7479 has 32 MA's), (121, 7494), (131, 7533), (138, 7560), (144, 7578), (148, 7587), (150, 7596), (153, 7611), (155, 7617), (183, 7722), (185, 7734), (193, 7788),

Gene: TomBombadil_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for TomBombadil_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Tomlarah_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Tomlarah_7:

(41, 3752), (Start: 45 @3767 has 3 MA's), (49, 3782), (52, 3791), (57, 3812), (69, 3872), (Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Toni_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Toni_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266),

Gene: Tooj_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Tooj_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263),

Gene: Tres_11 Start: 7363, Stop: 7701, Start Num: 117

Candidate Starts for Tres_11:

(75, 7225), (78, 7234), (92, 7282), (Start: 117 @7363 has 32 MA's), (121, 7378), (131, 7417), (138, 7444), (144, 7462), (148, 7471), (150, 7480), (153, 7495), (155, 7501), (183, 7606), (185, 7618), (193, 7672),

Gene: True_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for True_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Trypo_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Trypo_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Tydolla_10 Start: 6711, Stop: 7046, Start Num: 112

Candidate Starts for Tydolla_10:

(Start: 112 @6711 has 45 MA's), (126, 6753), (129, 6765), (134, 6780), (138, 6798), (155, 6855), (167, 6921), (174, 6942), (186, 6978), (189, 6990), (193, 7026),

Gene: TyrionL_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for TyrionL_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: UAch1_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for UAch1_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: UncleHowie_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for UncleHowie_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Usavi_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Usavi_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Vaishali24_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Vaishali24_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Valjean_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Valjean_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Vaticameos_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Vaticameos_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Veritas_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Veritas_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Vic9_12 Start: 7806, Stop: 8144, Start Num: 117

Candidate Starts for Vic9_12:

(75, 7668), (78, 7677), (89, 7719), (92, 7725), (Start: 117 @7806 has 32 MA's), (121, 7821), (131, 7860), (138, 7887), (144, 7905), (148, 7914), (149, 7920), (150, 7923), (153, 7938), (154, 7941), (155, 7944), (183, 8049), (185, 8061), (193, 8115),

Gene: Vincenzo_9 Start: 6977, Stop: 7429, Start Num: 88

Candidate Starts for Vincenzo_9:

(Start: 88 @6977 has 2 MA's), (Start: 98 @7007 has 30 MA's), (Start: 104 @7025 has 1 MA's), (139, 7160), (141, 7175), (159, 7259), (160, 7265), (167, 7292), (170, 7298), (175, 7316),

Gene: VioletZ_8 Start: 6302, Stop: 6721, Start Num: 98

Candidate Starts for VioletZ_8:

(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (19, 5894), (26, 5984), (27, 6008), (29, 6020), (39, 6086), (42, 6101), (51, 6131), (52, 6137), (54, 6146), (58, 6164), (Start: 70 @6206 has 7 MA's), (73, 6221), (77, 6236), (Start: 80 @6242 has 1 MA's), (Start: 81 @6245 has 1 MA's), (Start: 98 @6302 has 30 MA's), (Start: 104 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (107, 6332), (Start: 112 @6353 has 45 MA's), (121, 6389), (136, 6443), (159, 6554), (160, 6560), (165, 6581), (173, 6608), (183, 6626), (188, 6650), (189, 6656),

Gene: Virapocalypse_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Virapocalypse_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263),

Gene: Virgeve_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Virgeve_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Vista_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Vista_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Vivaldi_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Vivaldi_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: Vortex_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Vortex_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Waleliano_8 Start: 6302, Stop: 6721, Start Num: 98

Candidate Starts for Waleliano_8:

(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (18, 5879), (26, 5984), (27, 6008), (29, 6020), (39, 6086), (40, 6095), (42, 6101), (51, 6131), (52, 6137), (54, 6146), (68, 6191), (Start: 70 @6206 has 7 MA's), (73, 6221), (77, 6236), (Start: 80 @6242 has 1 MA's), (Start: 81 @6245 has 1 MA's), (Start: 98 @6302 has 30 MA's), (Start: 104 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (107, 6332), (Start: 112 @6353 has 45 MA's), (121, 6389), (136, 6443), (159, 6554), (160, 6560), (165, 6581), (173, 6608), (183, 6626), (188, 6650), (189, 6656),

Gene: Wallhey_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Wallhey_7:

(41, 3749), (Start: 45 @3764 has 3 MA's), (49, 3779), (52, 3788), (57, 3809), (69, 3869), (Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (109, 4010), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Waterdiva_7 Start: 3966, Stop: 4412, Start Num: 95

Candidate Starts for Waterdiva_7:

(Start: 70 @3879 has 7 MA's), (Start: 95 @3966 has 254 MA's), (125, 4077), (156, 4203), (159, 4227), (165, 4254), (167, 4260), (169, 4266), (189, 4341),

Gene: Weher20_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for Weher20_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: West99_11 Start: 7480, Stop: 7818, Start Num: 117

Candidate Starts for West99_11:

(75, 7342), (78, 7351), (89, 7393), (92, 7399), (Start: 117 @7480 has 32 MA's), (121, 7495), (131, 7534), (138, 7561), (144, 7579), (148, 7588), (150, 7597), (153, 7612), (155, 7618), (183, 7723), (185, 7735), (193, 7789),

Gene: Windsor_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Windsor_7:

(41, 3750), (Start: 45 @3765 has 3 MA's), (49, 3780), (52, 3789), (57, 3810), (69, 3870), (Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (109, 4011), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (166, 4254), (167, 4257), (169, 4263), (189, 4338),

Gene: Wooper_9 Start: 6416, Stop: 6754, Start Num: 113

Candidate Starts for Wooper_9:

(79, 6293), (83, 6311), (90, 6338), (Start: 98 @6359 has 30 MA's), (101, 6371), (108, 6392), (Start: 113 @6416 has 7 MA's), (120, 6434), (126, 6455), (129, 6467), (131, 6473), (138, 6500), (160, 6599), (167, 6626), (183, 6665), (192, 6725), (194, 6740),

Gene: Xavier_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Xavier_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Xincheng_8 Start: 6144, Stop: 6545, Start Num: 104

Candidate Starts for Xincheng_8:

(76, 6057), (Start: 80 @6066 has 1 MA's), (Start: 81 @6069 has 1 MA's), (Start: 98 @6126 has 30 MA's), (Start: 104 @6144 has 1 MA's), (Start: 106 @6150 has 2 MA's), (107, 6156), (Start: 112 @6177 has 45 MA's), (121, 6213), (136, 6267), (159, 6378), (160, 6384), (165, 6405), (173, 6432), (188, 6474), (189, 6480),

Gene: Yago84_6 Start: 4755, Stop: 5090, Start Num: 113

Candidate Starts for Yago84_6:

(Start: 113 @4755 has 7 MA's), (Start: 118 @4767 has 1 MA's), (124, 4785), (126, 4794), (129, 4806), (131, 4812), (158, 4923), (161, 4941), (167, 4962), (192, 5061),

Gene: Yahalom_10 Start: 5950, Stop: 6285, Start Num: 112

Candidate Starts for Yahalom_10:

(Start: 112 @5950 has 45 MA's), (126, 5992), (129, 6004), (134, 6019), (138, 6037), (155, 6094), (167, 6160), (174, 6181), (186, 6217), (189, 6229), (193, 6265),

Gene: Yinz_10 Start: 5976, Stop: 6311, Start Num: 112

Candidate Starts for Yinz_10:

(Start: 112 @5976 has 45 MA's), (126, 6018), (129, 6030), (134, 6045), (138, 6063), (155, 6120), (167, 6186), (174, 6207), (186, 6243), (189, 6255), (193, 6291),

Gene: Yoshand_7 Start: 3963, Stop: 4409, Start Num: 95

Candidate Starts for Yoshand_7:

(Start: 70 @3876 has 7 MA's), (Start: 95 @3963 has 254 MA's), (125, 4074), (156, 4200), (159, 4224), (165, 4251), (167, 4257), (169, 4263), (189, 4338),

Gene: YouGoGlencoco_7 Start: 3962, Stop: 4408, Start Num: 95

Candidate Starts for YouGoGlencoco_7:

(Start: 70 @3875 has 7 MA's), (Start: 95 @3962 has 254 MA's), (125, 4073), (156, 4199), (159, 4223), (165, 4250), (167, 4256), (169, 4262), (189, 4337),

Gene: Zaider_8 Start: 4195, Stop: 4641, Start Num: 95

Candidate Starts for Zaider_8:

(Start: 70 @4108 has 7 MA's), (Start: 95 @4195 has 254 MA's), (125, 4306), (156, 4432), (159, 4456), (165, 4483), (167, 4489), (169, 4495), (189, 4570),

Gene: Zelda_7 Start: 3965, Stop: 4411, Start Num: 95

Candidate Starts for Zelda_7:

(Start: 70 @3878 has 7 MA's), (Start: 95 @3965 has 254 MA's), (125, 4076), (156, 4202), (159, 4226), (165, 4253), (167, 4259), (169, 4265), (189, 4340),

Gene: Zemanar_9 Start: 6302, Stop: 6721, Start Num: 98

Candidate Starts for Zemanar_9:

(5, 5774), (7, 5789), (8, 5792), (10, 5822), (13, 5849), (15, 5858), (16, 5864), (17, 5870), (19, 5894), (26, 5984), (27, 6008), (29, 6020), (39, 6086), (42, 6101), (51, 6131), (52, 6137), (54, 6146), (58, 6164), (Start: 70 @6206 has 7 MA's), (73, 6221), (77, 6236), (Start: 80 @6242 has 1 MA's), (Start: 81 @6245 has 1 MA's), (Start: 98 @6302 has 30 MA's), (Start: 104 @6320 has 1 MA's), (Start: 106 @6326 has 2 MA's), (107, 6332), (Start: 112 @6353 has 45 MA's), (121, 6389), (136, 6443), (159, 6554), (160, 6560), (165, 6581), (173, 6608), (183, 6626), (188, 6650), (189, 6656),

Gene: Zenteno07_12 Start: 5148, Stop: 5579, Start Num: 91

Candidate Starts for Zenteno07_12:

(50, 4974), (Start: 91 @5148 has 1 MA's), (Start: 95 @5154 has 254 MA's), (109, 5199), (147, 5343),
(165, 5439), (183, 5484), (189, 5514),

Gene: Zonia_7 Start: 3961, Stop: 4407, Start Num: 95

Candidate Starts for Zonia_7:

(Start: 70 @3874 has 7 MA's), (Start: 95 @3961 has 254 MA's), (109, 4009), (156, 4198), (159, 4222),
(165, 4249), (166, 4252), (167, 4255), (169, 4261), (189, 4336),