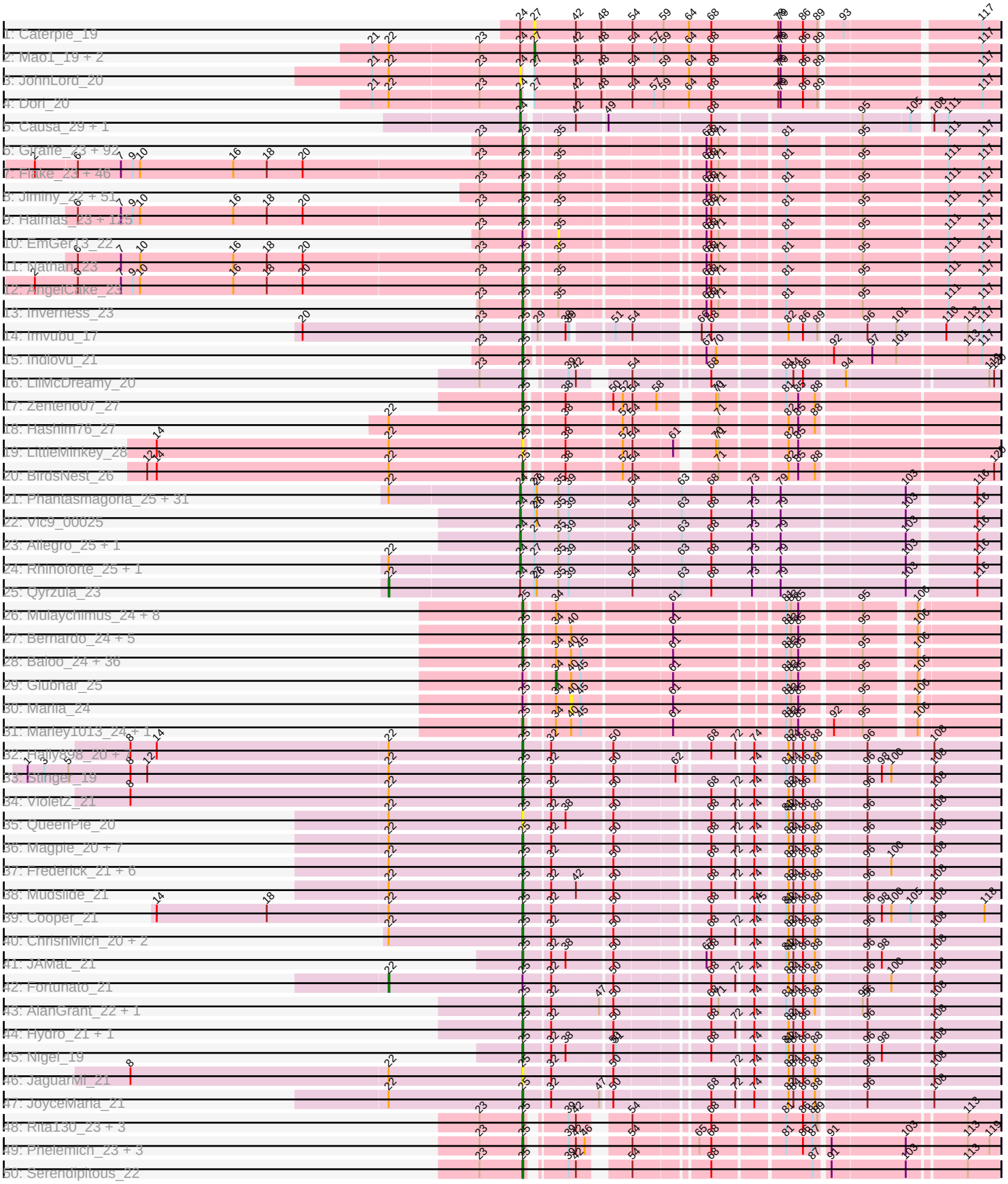
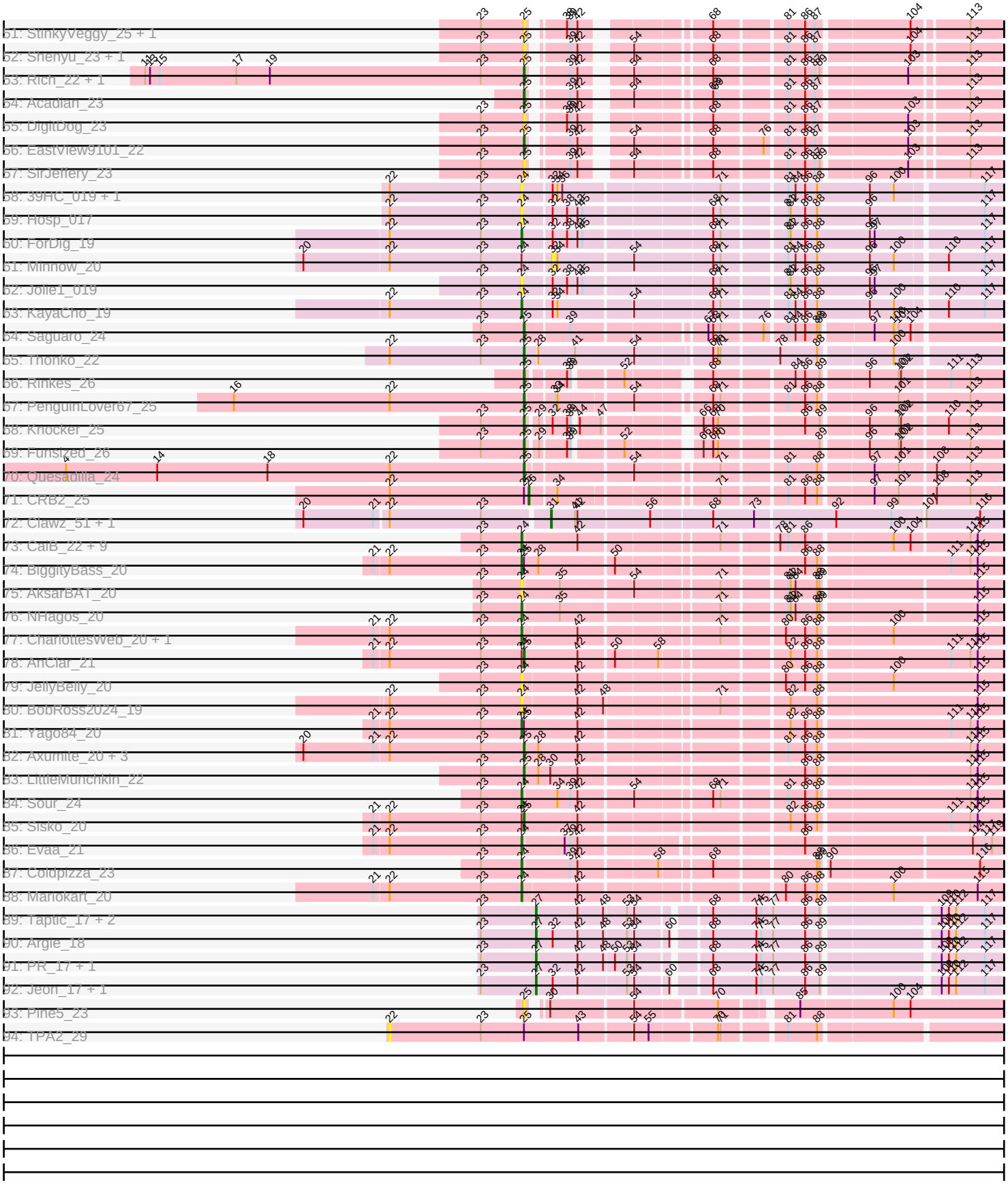
Pham 347064


1: Caterpie_19
2: Mac1_19 + 2
3: JohnLord_20
4: Dori_20
5: Causa_29 + 1
6: Giraffe_23 + 92
7: Flake_23 + 46
8: Jiminy_22 + 51
9: Halmas_23 + 115
10: EmGer13_22
11: Nathan_23
12: AngelCake_23
13: Inverness_23
14: Imvubu_17
15: Indiovu_21
16: LilMcDreamy_20
17: Zenteno07_27
18: Hashim76_27
19: LittleMinkey_28
20: BirdsNest_26
21: Phantasmagoria_25 + 31
22: Vic9_00025
23: Allegro_25 + 1
24: Rhinoforte_25 + 1
25: Qyrzula_23
26: Mulaychimus_24 + 8
27: Bernardo_24 + 5
28: Baloo_24 + 36
29: Glubnar_25
30: Maria_24
31: Marley1013_24 + 1
32: Hally698_20 + 2
33: Stinger_19
34: Violetz_21
35: QueenPie_20
36: Magpie_20 + 7
37: Frederick_21 + 6
38: Mudslide_21
39: Cooper_21
40: ChrishMich_20 + 2
41: JAMaL_21
42: Fortunato_21
43: AlanGrant_22 + 1
44: Hydro_21 + 1
45: Nigel_19
46: JaguarMI_21
47: JoyceMaria_21
48: Rita130_23 + 3
49: Phelemich_23 + 3
50: Serendipitous_22

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51: StinkyVeggy_25 + 1
52: Shenyu_23 + 1
53: Rich_22 + 1
54: Acadian_23
55: DigitDog_23
56: EastView9101_22
57: SirJeffery_23
58: 39HC_019 + 1
59: Hosp_017
60: ForDig_19
61: Minnow_20
62: Jolie1_019
63: KayaCho_19
64: Saguaro_24
65: Thonko_22
66: Rinkes_26
67: PenguinLover67_25
68: Knocker_25
69: Funsized_26
70: Quesadilla_24
71: CRB2_25
72: Clawz_51 + 1
73: CalB_22 + 9
74: BiggityBass_20
75: AksarBAT_20
76: NHagos_20
77: CharlotteSWeb_20 + 1
78: AnClar_21
79: JellyBelly_20
80: BobRoss2024_19
81: Yago84_20
82: Axumite_20 + 3
83: LittleMunchkin_22
84: Sour_24
85: Sisko_20
86: Evaa_21
87: Coldpizza_23
88: Mariokart_20
89: Taptic_17 + 2
90: Argie_18
91: PR_17 + 1
92: Jeon_17 + 1
93: Pine5_23
94: TPA2_29

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 347064 Report

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

Pham number 347064 has 546 members, 66 are drafts.

Phages represented in each track:
• Track 1 : Caterpie_19
• Track 2 : Mao1_19, Mask_20, Sejanus_20
• Track 3 : JohnLord_20
• Track 4 : Dori_20
• Track 5 : Causa_29, StAugustine_27
• Track 6 : Giraffe_23, Serpentine_0023, Triad_23, Banjo_22, Nacho_0023, Hetaeria_23, Maru_22, Valjean_23, UncleHowie_23, Olive_23, Gyarad_0023, Zelda_23, EmpTee_23, Mulan_22, Altwerkus_22, Basato_24, Frankicide_23, Cher_22, KLucky39_23, Pipsqueak_23, Gareth_22, Antonia_22, Megamind20_23, Manad_22, Simielle_22, Mana_22, Daffy_23, Freya_22, Andre_23, Scoot17C_23, ThreeOh3D2_23, Mecca_22, LostAndPhound_22, Bishoperium_22, HighStump_22, Serendipity_23, Orion_23, CheetO_23, Emiris_23, Spartan300_23, Cobra_23, Dingo_23, Bluephacebaby_22, KlimbOn_23, PinheadLarry_23, Lopsy_22, Grand2040_22, Chorkpop_23, Solosis_22, Roliet_23, Harvey_23, Telesworld_22, Childish_22, QueenBeane_23, MiniBoss_23, Held_23, Nyala_22, Colbert_23, Phareon_23, AbsoluteMadLad_22, Kahve_22, Fang_23, LeiMonet_23, Waterdiva_23, Chipette_24, DonSanchon_22, HSavage_23, Morgushi_23, Dione_22, UAch1_23, Samaymay_23, True_22, Lehmann_23, AltPhacts_23, Potter_22, Piglet_0022, CamL_23, HenryJackson_22, FugateOSU_22, Vaishali24_22, Vaticameos_23, Robyn_22, FriarPreacher_23, Tooj_23, RedMaple_22, Riverton_23, Suffolk_23, Aelin_22, Tomlarah_23, Vortex_23, PG1_23, Chah_24, Vivaldi_23
• Track 7 : Flake_23, Larson_24, Phleuron_22, Kiwot_22, Rimu_23, Aleia_23, Caspiboi_22, BatteryCK_22, ElvisPhasley_23, Phergie_22, Magic8_23, Zonia_23, Taraxa_23, Pinkman_22, Trypo_23, Veritas_22, Coletti_23, Swiphy_23, Etaye_23, MichaelPhcott_22, Kailash_23, Schueller_22, Chute_23, MelsMeow_22, PhrankReynolds_22, Virgeve_22, Mag7_22, BoogieWoogie_23, Durga_23, Gwennie1_23, HogWash_22, GeneCoco_23, Dati_23, Longacauda_22, Wallhey_22, Kwksand96_22, Nehme_22, Brilliant_23, PhenghisKhan_22, Hartsy_23, Vectra_22, Weher20_23, PhatLouie_23, Jbug01_23, Melc17_23, Khan1_22, CharlieGBrown_22
• Track 8 : Jiminy_22, Mikota_23, Chunky_23, OneBrain_23, DuchessDung_21, OliverWalter_23, KingVeVeVe_23, Usavi_23, MrPhizzler_23, Prickles_23, Oline_22, DirtJuice_23, Cornbread_22, Boehler_23, Thunderbird_22, Azuria_22, Plata_22, Doddsville_23, SDcharge11_23, Duggie_22, JakeO_22, JDog_22, Hocus_22, TooFast2Furius_24, Ashraf_22, ImtiyazSitla_22, Salazzle_23, Gwilliam_23, Karn_22, Apizium_22, ProfessorX_23, Crownjwl_23, BlacksBerry_22, DaddyDaniels_23, Fozzie_22, Horchata_23, Newman_23, Septica_22, Eremos_23, Carthage_21, Sheila_23, Daka_23, Soto_23, RedRaider89_24, Hekos_20, Roscoe_24,

Struggle_22, BlueHusk_23, DolOn_24, GreenChile_23, Maskar_22, Jiraiya_22
• Track 9 : Haimas_23, Hamish_23, SirBeauregard_22, Iridoclysis_23, Adriana_23, Fringe_23, Nicole21_23, FremontTroll_22, Kimbrough_23, DelRivs_22, Lumine_22, Oosterbaan_23, Selr12_23, Burr_22, Inchworm_23, Matalotodo_23, SilverBell_23, Murdoc_23, Eugenia_23, FluffyNinja_23, Pherdinand_23, LuckyMarjie_22, Thora_23, Derpp_22, ShadowBud_23, Nova1_22, TyrionL_22, Buckeye_23, OSmaximus_23, Skippy_23, Scrick_23, Toni_22, Kwadwo_22, Legolas_22, Squid_23, Olak_22, Cornobble_22, ABU_23, Numberten_23, NiaNia_24, BlackStallion_23, Windsor_22, Mcshane_22, Keitherie_23, Schadenfreude_22, Haleema_22, Swish_23, Mutante_22, Lulumae_22, Roy17_23, Sigman_23, Lulwa_23, Megatron_23, LeeLot_23, Xavier_22, PhrodoBaggins_22, Beaglebox_22, Jillium_22, Sophia_22, Surely_23, Mosaic_22, Slatt_23, Jesabah_23, Virapocalypse_23, Kikipoo_23, Charles1_23, SassyCat97_22, Hertubise_23, Omniscient_23, Soile_23, Ricotta_22, Badfish_23, Lego3393_23, JangoPhett_23, Iridessa_23, DoesntMatter_23, YouGoGlencoco_23, Quisquiliae_23, Cosmolli16_22, ShiVal_23, LemonSlice_23, Pops_23, Cannibal_23, Gophee_23, TallGrassMM_23, PallasAthena_22, Dice_22, FleetyMac_23, IsaacEli_23, LasagnaCat_23, JacAttac_23, MRabcd_22, Riggan_23, Puhltonio_23, Lasso_23, Mesh1_23, Katniss_23, Timmi_22, Happabalu_23, Squiggle_23, TomBombadil_23, Phipps_23, Kloppinator_23, Craff_23, PhatCats2014_23, Zaider_24, Morty_23, Phunky_23, Phamished_23, Plmatters_23, SallyH_23, Orfeu_22, Podrick_23, Vista_23, Mesmerelda_22, Aonishiki_23, CampRoach_23, Orwigg_22, Pacifista_22, Chaelin_22, Anderson_23, MitKao_23, Labeouficaum_22, Placalicious_22, Chuni_23, Yoshand_23
• Track 10 : EmGer13_22
• Track 11 : Nathan_23
• Track 12 : AngelCake_23
• Track 13 : Inverness_23
• Track 14 : Imvubu_17
• Track 15 : Indlovu_21
• Track 16 : LilMcDreamy_20
• Track 17 : Zenteno07_27
• Track 18 : Hashim76_27
• Track 19 : LittleMinkey_28
• Track 20 : BirdsNest_26
• Track 21 : Phantasmagoria_25, Sabella_25, LizLemon_25, Kheth_25, Faze9_25, Godines_25, Brownie5_25, West99_25, Coffee_25, TA17A_26, Calamitous_25, Kolhan_25, Bananafish_25, Opia_25, Eaglehorse_25, LilSmirk_25, Tinciduntsolum_26, Tres_25, Lars_25, MasterPo_25, Boyle_25, Arbiter_25, Holeinone_25, Hedgerow_25, Rosebush_25, PrinceCharming_25, Glass_25, Kaleb_25, Ares_25, Lephleur_25, ItsyBitsy1_25, FrenchFry_25
• Track 22 : Vic9_00025
• Track 23 : Allegro_25, Laurie_25
• Track 24 : Rhinoforte_25, Blocker23_25
• Track 25 : Qyrzula_23
• Track 26 : Mulaychimus_24, Briakila_24, LestyG_24, Yahalom_24, RagingRooster_24, Akoma_24, Deenasa_24, SynergyX_24, Casbah_23
• Track 27 : Bernardo_24, GlenHope_25, Pipefish_24, Gadjet_25, Gervas_24, RomaT_24
• Track 28 : Baloo_24, Phlyer_24, Phayeta_24, Ben11_23, TinyTerror_24, Olivio_23, Jackstina_22, Yinz_24, MmasiCarm_24, Phaedrus_22, Chalmers_24, Chentzyk_23, Audrey_24, ChaChing_24, Athena_25, Neos5_24, Corofin_24, Tydolla_24, SlippinJimmy_24, HarveySr_24, SwainyDoc_24, Daisy_24, Devonte_24, Heathcliff_24, Philly_23, Kronus_23, Halfpint_23, Chandler_24, Abinghost_24,

Nozo_24, Obutu_24, Mortcellus_23, Rita1961_24, OrangeOswald_24, Compostia_25, Shenandoah_24, Kamiyu_24
• Track 29 : Glubnar_25
• Track 30 : Marlia_24
• Track 31 : Marley1013_24, Morty007_24
• Track 32 : Hally898_20, Antihero_20, Ahwei_20, Poster_20, Lambano_20, Epah_20, GinPorsche_20, Nanao_20
• Track 33 : Stinger_19
• Track 34 : VioletZ_21
• Track 35 : QueenPie_20
• Track 36 : Magpie_20, Hangman_21, BrownCNA_22, Mithril_21, Xincheng_20, Waleliano_21, Zemanar_22, Heath_20
• Track 37 : Frederick_21, RawrgerThat_21, Prince_21, Apex_21, Fanaw_20, BobbyK_21, Austelle_22
• Track 38 : Mudslide_21
• Track 39 : Cooper_21
• Track 40 : ChrisnMich_20, LittleDigger_20, Renkei_20
• Track 41 : JAMaL_21
• Track 42 : Fortunato_21
• Track 43 : AlanGrant_22, Vincenzo_22
• Track 44 : Hydro_21, Lolalove_21
• Track 45 : Nigel_19
• Track 46 : JaguarMi_21
• Track 47 : JoyceMaria_21
• Track 48 : Rita130_23, Reccee_23, Donny_23, Suigeneris_23
• Track 49 : Phelemich_23, Mysterious_23, Reprobate_23, Nehemiah_22
• Track 50 : Serendipitous_22
• Track 51 : StinkyVeggy_25, KarasumaRum_25
• Track 52 : Shenyu_23, Nangang_23
• Track 53 : Rich_22, Baee_22
• Track 54 : Acadian_23
• Track 55 : DigitDog_23
• Track 56 : EastView9101_22
• Track 57 : SirJeffery_23
• Track 58 : 39HC_019, 40BC_019
• Track 59 : Hosp_017
• Track 60 : ForDig_19
• Track 61 : Minnow_20
• Track 62 : Jolie1_019
• Track 63 : KayaCho_19
• Track 64 : Saguaro_24
• Track 65 : Thonko_22
• Track 66 : Rinkes_26
• Track 67 : PenguinLover67_25
• Track 68 : Knocker_25
• Track 69 : Funsized_26
• Track 70 : Quesadilla_24
• Track 71 : CRB2_25
• Track 72 : Clawz_51, Makar_52
• Track 73 : CaiB_22, Blackpen_22, CloverMinnie_22, Wooper_22, TraderJ_22, MakoManhole_22, MossRose_22, Yeshua_22, AnarQue_22, FelixTres_22
• Track 74 : BiggityBass_20
• Track 75 : AksarBAT_20

• Track 76 : NHagos_20
• Track 77 : CharlottesWeb_20, Coco2012_20
• Track 78 : AnClar_21
• Track 79 : JellyBelly_20
• Track 80 : BobRoss2024_19
• Track 81 : Yago84_20
• Track 82 : Axumite_20, Shatter_20, Fresco_20, Ligma_20
• Track 83 : LittleMunchkin_22
• Track 84 : Sour_24
• Track 85 : Sisko_20
• Track 86 : Evaa_21
• Track 87 : Coldpizza_23
• Track 88 : Mariokart_20
• Track 89 : Taptic_17, Megabear_17, Cepens_17
• Track 90 : Argie_18
• Track 91 : PR_17, D12_17
• Track 92 : Jeon_17, GodPhather_18
• Track 93 : Pine5_23
• Track 94 : TPA2_29

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

The start number called the most often in the published annotations is 25, it was called in 407 of the 480 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABU_23, Abinghost_24, AbsoluteMadLad_22, Acadian_23, Adriana_23, Aelin_22, Ahwei_20, Akoma_24, AlanGrant_22, Aleia_23, AltPhacts_23, Altwerkus_22, AnClar_21, Anderson_23, Andre_23, AngelCake_23, Antihero_20, Antonia_22, Aonishiki_23, Apex_21, Apizium_22, Ashraf_22, Athena_25, Audrey_24, Austelle_22, Axumite_20, Azuria_22, Badfish_23, Baee_22, Baloo_24, Banjo_22, Basato_24, BatteryCK_22, Beaglebox_22, Ben11_23, Bernardo_24, BirdsNest_26, Bishoperium_22, BlackStallion_23, BlacksBerry_22, BlueHusk_23, Bluephacebaby_22, BobbyK_21, Boehler_23, BoogieWoogie_23, Briakila_24, Brilliant_23, BrownCNA_22, Buckeye_23, Burr_22, CamL_23, CampRoach_23, Cannibal_23, Carthage_21, Casbah_23, Caspiboi_22, ChaChing_24, Chaelin_22, Chah_24, Chalmers_24, Chandler_24, Charles1_23, CharlieGBrown_22, CheetO_23, Chentzyk_23, Cher_22, Childish_22, Chipette_24, Chorkpop_23, ChrisnMich_20, Chuni_23, Chunky_23, Chute_23, Cobra_23, Colbert_23, Coletti_23, Compostia_25, Cooper_21, Cornbread_22, Cornobble_22, Corofin_24, Cosmolli16_22, Craff_23, Crownjwl_23, DaddyDaniels_23, Daffy_23, Daisy_24, Daka_23, Dati_23, Deenasa_24, DelRivs_22, Derpp_22, Devonte_24, Dice_22, DigitDog_23, Dingo_23, Dione_22, DirtJuice_23, Doddsville_23, DoesntMatter_23, DolOn_24, DonSanchon_22, Donny_23, DuchessDung_21, Duggie_22, Durga_23, EastView9101_22, ElvisPhasley_23, Emiris_23, EmpTee_23, Epah_20, Eremos_23, Etaye_23, Eugenia_23, Fanaw_20, Fang_23, Flake_23, FleetyMac_23, FluffyNinja_23, Fozzie_22, Frankicide_23, Frederick_21, FremontTroll_22, Fresco_20, Freya_22, FriarPreacher_23, Fringe_23, FugateOSU_22, Funsized_26, Gadjet_25, Gareth_22, GeneCoco_23, Gervas_24, GinPorsche_20, Giraffe_23, GlenHope_25, Gophee_23, Grand2040_22, GreenChile_23, Gwennie1_23,

Gwilliam_23, Gyarad_0023, HSavage_23, Haimas_23, Haleema_22, Halfpint_23, Hally898_20, Hamish_23, Hangman_21, Happabalu_23, Hartsy_23, HarveySr_24, Harvey_23, Hashim76_27, Heath_20, Heathcliff_24, Hekos_20, Held_23, HenryJackson_22, Hertubise_23, Hetaeria_23, HighStump_22, Hocus_22, HogWash_22, Horchata_23, Hydro_21, ImtiyazSitla_22, Imvubu_17, Inchworm_23, Indlovu_21, Inverness_23, Iridessa_23, Iridoclysis_23, IsaacEli_23, JAMaL_21, JDog_22, JacAttac_23, Jackstina_22, JaguarMi_21, JakeO_22, JangoPhett_23, Jbug01_23, Jesabah_23, Jillium_22, Jiminy_22, Jiraiya_22, JoyceMaria_21, KLucky39_23, Kahve_22, Kailash_23, Kamiyu_24, KarasumaRum_25, Karn_22, Katniss_23, Keitherie_23, Khan1_22, Kikipoo_23, Kimbrough_23, KingVeVeVe_23, Kiwot_22, KlimbOn_23, Kloppinator_23, Knocker_25, Kronus_23, Kwadwo_22, Kwksand96_22, Labeouficaum_22, Lambano_20, Larson_24, LasagnaCat_23, Lasso_23, LeeLot_23, Lego3393_23, Legolas_22, Lehmann_23, LeiMonet_23, LemonSlice_23, LestyG_24, Ligma_20, LilMcDreamy_20, LittleDigger_20, LittleMinkey_28, LittleMunchkin_22, Lolalove_21, Longacauda_22, Lopsy_22, LostAndPhound_22, LuckyMarjie_22, Lulumae_22, Lulwa_23, Lumine_22, MRabcd_22, Mag7_22, Magic8_23, Magpie_20, Mana_22, Manad_22, Marley1013_24, Maru_22, Maskar_22, Matalotodo_23, Mcshane_22, Mecca_22, Megamind20_23, Megatron_23, Melc17_23, MelsMeow_22, Mesh1_23, Mesmerelda_22, MichaelPhcott_22, Mikota_23, MiniBoss_23, MitKao_23, Mithril_21, MmasiCarm_24, Morgushi_23, Mortcellus_23, Morty007_24, Morty_23, Mosaic_22, MrPhizzler_23, Mudslide_21, Mulan_22, Mulaychimus_24, Murdoc_23, Mutante_22, Mysterious_23, Nacho_0023, Nanao_20, Nangang_23, Nathan_23, Nehemiah_22, Nehme_22, Neos5_24, Newman_23, NiaNia_24, Nicole21_23, Nigel_19, Nova1_22, Nozo_24, Numberten_23, Nyala_22, OSmaximus_23, Obutu_24, Olak_22, Oline_22, Olive_23, OliverWalter_23, Olivio_23, Omniscient_23, OneBrain_23, Oosterbaan_23, OrangeOswald_24, Orfeu_22, Orion_23, Orwigg_22, PG1_23, Pacifista_22, PallasAthena_22, PenguinLover67_25, Phaedrus_22, Phamished_23, Phareon_23, PhatCats2014_23, PhatLouie_23, Phayeta_24, Phelemich_23, PhenghisKhan_22, Pherdinand_23, Phergie_22, Philly_23, Phipps_23, Phleuron_22, Phlyer_24, PhrankReynolds_22, PhrodoBaggins_22, Phunky_23, Piglet_0022, Pine5_23, PinheadLarry_23, Pinkman_22, Pipefish_24, Pipsqueak_23, Placalicious_22, Plata_22, Plmatters_23, Podrick_23, Pops_23, Poster_20, Potter_22, Prickles_23, Prince_21, ProfessorX_23, Puhltonio_23, QueenBeane_23, QueenPie_20, Quesadilla_24, Quisquiliae_23, RagingRooster_24, RawrgerThat_21, Reccee_23, RedMaple_22, RedRaider89_24, Renkei_20, Reprobate_23, Rich_22, Ricotta_22, Riggan_23, Rimu_23, Rinkes_26, Rita130_23, Rita1961_24, Riverton_23, Robyn_22, Roliet_23, RomaT_24, Roscoe_24, Roy17_23, SDcharge11_23, Saguaro_24, Salazzle_23, SallyH_23, Samaymay_23, SassyCat97_22, Schadenfreude_22, Schueller_22, Scoot17C_23, Scrick_23, Selr12_23, Septica_22, Serendipitous_22, Serendipity_23, Serpentine_0023, ShadowBud_23, Shatter_20, Sheila_23, Shenandoah_24, Shenyu_23, ShiVal_23, Sigman_23, SilverBell_23, Simielle_22, SirBeauregard_22, SirJeffery_23, Sisko_20, Skippy_23, Slatt_23, SlippinJimmy_24, Soile_23, Solosis_22, Sophia_22, Soto_23, Spartan300_23, Squid_23, Squiggle_23, Stinger_19, StinkyVeggy_25, Struggle_22, Suffolk_23, Suigeneris_23, Surely_23, SwainyDoc_24, Swiphy_23, Swish_23, SynergyX_24, TallGrassMM_23, Taraxa_23, Telesworld_22, Thonko_22, Thora_23, ThreeOh3D2_23, Thunderbird_22, Timmi_22, TinyTerror_24, TomBombadil_23, Tomlarah_23, Toni_22, TooFast2Furius_24, Tooj_23, Triad_23, True_22, Trypo_23, Tydolla_24, TyrionL_22, UAch1_23, UncleHowie_23, Usavi_23, Vaishali24_22, Valjean_23, Vaticameos_23, Vectra_22, Veritas_22, Vincenzo_22, VioletZ_21, Virapocalypse_23, Virgeve_22, Vista_23, Vivaldi_23, Vortex_23, Waleliano_21, Wallhey_22, Waterdiva_23, Weher20_23, Windsor_22, Xavier_22, Xincheng_20, Yahalom_24, Yinz_24, Yoshand_23,

YouGoGlencoco_23, Zaider_24, Zelda_23, Zemanar_22, Zenteno07_27, Zonia_23,

Genes that have the "Most Annotated" start but do not call it:
• BiggityBass_20, CRB2_25, EmGer13_22, Fortunato_21, Glubnar_25, Marlia_24, TPA2_29, Yago84_20,

Genes that do not have the "Most Annotated" start:
• 39HC_019, 40BC_019, AksarBAT_20, Allegro_25, AnarQue_22, Arbiter_25, Ares_25, Argie_18, Bananafish_25, Blackpen_22, Blocker23_25, BobRoss2024_19, Boyle_25, Brownie5_25, CaiB_22, Calamitous_25, Caterpie_19, Causa_29, Cepens_17, CharlottesWeb_20, Clawz_51, CloverMinnie_22, Coco2012_20, Coffee_25, Coldpizza_23, D12_17, Dori_20, Eaglehorse_25, Evaa_21, Faze9_25, FelixTres_22, ForDig_19, FrenchFry_25, Glass_25, GodPhather_18, Godines_25, Hedgerow_25, Holeinone_25, Hosp_017, ItsyBitsy1_25, JellyBelly_20, Jeon_17, JohnLord_20, Jolie1_019, Kaleb_25, KayaCho_19, Kheth_25, Kolhan_25, Lars_25, Laurie_25, Lephleur_25, LilSmirk_25, LizLemon_25, Makar_52, MakoManhole_22, Mao1_19, Mariokart_20, Mask_20, MasterPo_25, Megabear_17, Minnow_20, MossRose_22, NHagos_20, Opia_25, PR_17, Phantasmagoria_25, PrinceCharming_25, Qyrzula_23, Rhinoforte_25, Rosebush_25, Sabella_25, Sejanus_20, Sour_24, StAugustine_27, TA17A_26, Taptic_17, Tinciduntsolum_26, TraderJ_22, Tres_25, Vic9_00025, West99_25, Wooper_22, Yeshua_22,

Summary by start number:

Start 22:
• Found in 103 of 546 (18.9%) of genes in pham
• Manual Annotations of this start: 2 of 480
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Fortunato_21 (B4), Qyrzula_23 (B2), TPA2_29 (singleton),

Start 24:
• Found in 77 of 546 (14.1%) of genes in pham
• Manual Annotations of this start: 57 of 480
• Called 89.6% of time when present
• Phage (with cluster) where this start called: 39HC_019 (B6), 40BC_019 (B6), AksarBAT_20 (DR), Allegro_25 (B2), AnarQue_22 (DR), Arbiter_25 (B2), Ares_25 (B2), Bananafish_25 (B2), BiggityBass_20 (DR), Blackpen_22 (DR), Blocker23_25 (B2), BobRoss2024_19 (DR), Boyle_25 (B2), Brownie5_25 (B2), CaiB_22 (DR), Calamitous_25 (B2), Causa_29 (AI), CharlottesWeb_20 (DR), CloverMinnie_22 (DR), Coco2012_20 (DR), Coffee_25 (B2), Coldpizza_23 (DR), Dori_20 (AD), Eaglehorse_25 (B2), Evaa_21 (DR), Faze9_25 (B2), FelixTres_22 (DR), ForDig_19 (B6), FrenchFry_25 (B2), Glass_25 (B2), Godines_25 (B2), Hedgerow_25 (B2), Holeinone_25 (B2), Hosp_017 (B6), ItsyBitsy1_25 (B2), JellyBelly_20 (DR), JohnLord_20 (AD), Jolie1_019 (B6), Kaleb_25 (B2), KayaCho_19 (B6), Kheth_25 (B2), Kolhan_25 (B2), Lars_25 (B2), Laurie_25 (B2), Lephleur_25 (B2), LilSmirk_25 (B2), LizLemon_25 (B2), MakoManhole_22 (DR), Mariokart_20 (DR), MasterPo_25 (B2), MossRose_22 (DR), NHagos_20 (DR), Opia_25 (B2), Phantasmagoria_25 (B2), PrinceCharming_25 (B2), Rhinoforte_25 (B2), Rosebush_25 (B2), Sabella_25 (B2), Sour_24 (DR), StAugustine_27 (AI), TA17A_26 (B2), Tinciduntsolum_26 (B2), TraderJ_22 (DR), Tres_25 (B2), Vic9_00025 (B2), West99_25 (B2), Wooper_22 (DR), Yago84_20 (DR), Yeshua_22 (DR),

Start 25:
• Found in 463 of 546 (84.8%) of genes in pham
• Manual Annotations of this start: 407 of 480
• Called 98.3% of time when present
• Phage (with cluster) where this start called: ABU_23 (B1), Abinghost_24 (B3), AbsoluteMadLad_22 (B1), Acadian_23 (B5), Adriana_23 (B1), Aelin_22 (B1), Ahwei_20 (B4), Akoma_24 (B3), AlanGrant_22 (B4), Aleia_23 (B1), AltPhacts_23 (B1), Altwerkus_22 (B1), AnClar_21 (DR), Anderson_23 (B1), Andre_23 (B1), AngelCake_23 (B1), Antihero_20 (B4), Antonia_22 (B1), Aonishiki_23 (B1), Apex_21 (B4), Apizium_22 (B1), Ashraf_22 (B1), Athena_25 (B3), Audrey_24 (B3), Austelle_22 (B4), Axumite_20 (DR), Azuria_22 (B1), Badfish_23 (B1), Baee_22 (B5), Baloo_24 (B3), Banjo_22 (B1), Basato_24 (B1), BatteryCK_22 (B1), Beaglebox_22 (B1), Ben11_23 (B3), Bernardo_24 (B3), BirdsNest_26 (B13), Bishoperium_22 (B1), BlackStallion_23 (B1), BlacksBerry_22 (B1), BlueHusk_23 (B1), Bluephacebaby_22 (B1), BobbyK_21 (B4), Boehler_23 (B1), BoogieWoogie_23 (B1), Briakila_24 (B3), Brilliant_23 (B1), BrownCNA_22 (B4), Buckeye_23 (B1), Burr_22 (B1), CamL_23 (B1), CampRoach_23 (B1), Cannibal_23 (B1), Carthage_21 (B1), Casbah_23 (B3), Caspiboi_22 (B1), ChaChing_24 (B3), Chaelin_22 (B1), Chah_24 (B1), Chalmers_24 (B3), Chandler_24 (B3), Charles1_23 (B1), CharlieGBrown_22 (B1), CheetO_23 (B1), Chentzyk_23 (B3), Cher_22 (B1), Childish_22 (B1), Chipette_24 (B1), Chorkpop_23 (B1), ChrisnMich_20 (B4), Chuni_23 (B1), Chunky_23 (B1), Chute_23 (B1), Cobra_23 (B1), Colbert_23 (B1), Coletti_23 (B1), Compostia_25 (B3), Cooper_21 (B4), Cornbread_22 (B1), Cornobble_22 (B1), Corofin_24 (B3), Cosmolli16_22 (B1), Craff_23 (B1), Crownjwl_23 (B1), DaddyDaniels_23 (B1), Daffy_23 (B1), Daisy_24 (B3), Daka_23 (B1), Dati_23 (B1), Deenasa_24 (B3), DelRivs_22 (B1), Derpp_22 (B1), Devonte_24 (B3), Dice_22 (B1), DigitDog_23 (B5), Dingo_23 (B1), Dione_22 (B1), DirtJuice_23 (B1), Doddsville_23 (B1), DoesntMatter_23 (B1), DolOn_24 (B1), DonSanchon_22 (B1), Donny_23 (B5), DuchessDung_21 (B1), Duggie_22 (B1), Durga_23 (B1), EastView9101_22 (B5), ElvisPhasley_23 (B1), Emiris_23 (B1), EmpTee_23 (B1), Epah_20 (B4), Eremos_23 (B1), Etaye_23 (B1), Eugenia_23 (B1), Fanaw_20 (B4), Fang_23 (B1), Flake_23 (B1), FleetyMac_23 (B1), FluffyNinja_23 (B1), Fozzie_22 (B1), Frankicide_23 (B1), Frederick_21 (B4), FremontTroll_22 (B1), Fresco_20 (DR), Freya_22 (B1), FriarPreacher_23 (B1), Fringe_23 (B1), FugateOSU_22 (B1), Funsized_26 (B9), Gadjet_25 (B3), Gareth_22 (B1), GeneCoco_23 (B1), Gervas_24 (B3), GinPorsche_20 (B4), Giraffe_23 (B1), GlenHope_25 (B3), Gophee_23 (B1), Grand2040_22 (B1), GreenChile_23 (B1), Gwennie1_23 (B1), Gwilliam_23 (B1), Gyarad_0023 (B1), HSavage_23 (B1), Haimas_23 (B1), Haleema_22 (B1), Halfpint_23 (B3), Hally898_20 (B4), Hamish_23 (B1), Hangman_21 (B4), Happabalu_23 (B1), Hartsy_23 (B1), HarveySr_24 (B3), Harvey_23 (B1), Hashim76_27 (B13), Heath_20 (B4), Heathcliff_24 (B3), Hekos_20 (B1), Held_23 (B1), HenryJackson_22 (B1), Hertubise_23 (B1), Hetaeria_23 (B1), HighStump_22 (B1), Hocus_22 (B1), HogWash_22 (B1), Horchata_23 (B1), Hydro_21 (B4), ImtiyazSitla_22 (B1), Imvubu_17 (B10), Inchworm_23 (B1), Indlovu_21 (B11), Inverness_23 (B1), Iridessa_23 (B1), Iridoclysis_23 (B1), IsaacEli_23 (B1), JAMaL_21 (B4), JDog_22 (B1), JacAttac_23 (B1), Jackstina_22 (B3), JaguarMi_21 (B4), JakeO_22 (B1), JangoPhett_23 (B1), Jbug01_23 (B1), Jesabah_23 (B1), Jillium_22 (B1), Jiminy_22 (B1), Jiraiya_22 (B1), JoyceMaria_21 (B4), KLucky39_23 (B1), Kahve_22 (B1), Kailash_23 (B1), Kamiyu_24 (B3), KarasumaRum_25 (B5), Karn_22 (B1), Katniss_23 (B1), Keitherie_23 (B1), Khan1_22 (B1), Kikipoo_23 (B1), Kimbrough_23 (B1), KingVeVeVe_23 (B1), Kiwot_22 (B1), KlimbOn_23 (B1), Kloppinator_23 (B1), Knocker_25 (B9), Kronus_23 (B3), Kwadwo_22 (B1), Kwksand96_22 (B1), Labeouficaum_22 (B1), Lambano_20 (B4), Larson_24 (B1), LasagnaCat_23 (B1), Lasso_23 (B1), LeeLot_23 (B1),

Lego3393_23 (B1), Legolas_22 (B1), Lehmann_23 (B1), LeiMonet_23 (B1), LemonSlice_23 (B1), LestyG_24 (B3), Ligma_20 (DR), LilMcDreamy_20 (B12), LittleDigger_20 (B4), LittleMinkey_28 (B13), LittleMunchkin_22 (DR), Lolalove_21 (B4), Longacauda_22 (B1), Lopsy_22 (B1), LostAndPhound_22 (B1), LuckyMarjie_22 (B1), Lulumae_22 (B1), Lulwa_23 (B1), Lumine_22 (B1), MRabcd_22 (B1), Mag7_22 (B1), Magic8_23 (B1), Magpie_20 (B4), Mana_22 (B1), Manad_22 (B1), Marley1013_24 (B3), Maru_22 (B1), Maskar_22 (B1), Matalotodo_23 (B1), Mcshane_22 (B1), Mecca_22 (B1), Megamind20_23 (B1), Megatron_23 (B1), Melc17_23 (B1), MelsMeow_22 (B1), Mesh1_23 (B1), Mesmerelda_22 (B1), MichaelPhcott_22 (B1), Mikota_23 (B1), MiniBoss_23 (B1), MitKao_23 (B1), Mithril_21 (B4), MmasiCarm_24 (B3), Morgushi_23 (B1), Mortcellus_23 (B3), Morty007_24 (B3), Morty_23 (B1), Mosaic_22 (B1), MrPhizzler_23 (B1), Mudslide_21 (B4), Mulan_22 (B1), Mulaychimus_24 (B3), Murdoc_23 (B1), Mutante_22 (B1), Mysterious_23 (B5), Nacho_0023 (B1), Nanao_20 (B4), Nangang_23 (B5), Nathan_23 (B1), Nehemiah_22 (B5), Nehme_22 (B1), Neos5_24 (B3), Newman_23 (B1), NiaNia_24 (B1), Nicole21_23 (B1), Nigel_19 (B4), Nova1_22 (B1), Nozo_24 (B3), Numberten_23 (B1), Nyala_22 (B1), OSmaximus_23 (B1), Obutu_24 (B3), Olak_22 (B1), Oline_22 (B1), Olive_23 (B1), OliverWalter_23 (B1), Olivio_23 (B3), Omniscient_23 (B1), OneBrain_23 (B1), Oosterbaan_23 (B1), OrangeOswald_24 (B3), Orfeu_22 (B1), Orion_23 (B1), Orwigg_22 (B1), PG1_23 (B1), Pacifista_22 (B1), PallasAthena_22 (B1), PenguinLover67_25 (B9), Phaedrus_22 (B3), Phamished_23 (B1), Phareon_23 (B1), PhatCats2014_23 (B1), PhatLouie_23 (B1), Phayeta_24 (B3), Phelemich_23 (B5), PhenghisKhan_22 (B1), Pherdinand_23 (B1), Phergie_22 (B1), Philly_23 (B3), Phipps_23 (B1), Phleuron_22 (B1), Phlyer_24 (B3), PhrankReynolds_22 (B1), PhrodoBaggins_22 (B1), Phunky_23 (B1), Piglet_0022 (B1), Pine5_23 (singleton), PinheadLarry_23 (B1), Pinkman_22 (B1), Pipefish_24 (B3), Pipsqueak_23 (B1), Placalicious_22 (B1), Plata_22 (B1), Plmatters_23 (B1), Podrick_23 (B1), Pops_23 (B1), Poster_20 (B4), Potter_22 (B1), Prickles_23 (B1), Prince_21 (B4), ProfessorX_23 (B1), Puhltonio_23 (B1), QueenBeane_23 (B1), QueenPie_20 (B4), Quesadilla_24 (B9), Quisquiliae_23 (B1), RagingRooster_24 (B3), RawrgerThat_21 (B4), Reccee_23 (B5), RedMaple_22 (B1), RedRaider89_24 (B1), Renkei_20 (B4), Reprobate_23 (B5), Rich_22 (B5), Ricotta_22 (B1), Riggan_23 (B1), Rimu_23 (B1), Rinkes_26 (B9), Rita130_23 (B5), Rita1961_24 (B3), Riverton_23 (B1), Robyn_22 (B1), Roliet_23 (B1), RomaT_24 (B3), Roscoe_24 (B1), Roy17_23 (B1), SDcharge11_23 (B1), Saguaro_24 (B7), Salazzle_23 (B1), SallyH_23 (B1), Samaymay_23 (B1), SassyCat97_22 (B1), Schadenfreude_22 (B1), Schueller_22 (B1), Scoot17C_23 (B1), Scrick_23 (B1), Selr12_23 (B1), Septica_22 (B1), Serendipitous_22 (B5), Serendipity_23 (B1), Serpentine_0023 (B1), ShadowBud_23 (B1), Shatter_20 (DR), Sheila_23 (B1), Shenandoah_24 (B3), Shenyu_23 (B5), ShiVal_23 (B1), Sigman_23 (B1), SilverBell_23 (B1), Simielle_22 (B1), SirBeauregard_22 (B1), SirJeffery_23 (B5), Sisko_20 (DR), Skippy_23 (B1), Slatt_23 (B1), SlippinJimmy_24 (B3), Soile_23 (B1), Solosis_22 (B1), Sophia_22 (B1), Soto_23 (B1), Spartan300_23 (B1), Squid_23 (B1), Squiggle_23 (B1), Stinger_19 (B4), StinkyVeggy_25 (B5), Struggle_22 (B1), Suffolk_23 (B1), Suigeneris_23 (B5), Surely_23 (B1), SwainyDoc_24 (B3), Swiphy_23 (B1), Swish_23 (B1), SynergyX_24 (B3), TallGrassMM_23 (B1), Taraxa_23 (B1), Telesworld_22 (B1), Thonko_22 (B8), Thora_23 (B1), ThreeOh3D2_23 (B1), Thunderbird_22 (B1), Timmi_22 (B1), TinyTerror_24 (B3), TomBombadil_23 (B1), Tomlarah_23 (B1), Toni_22 (B1), TooFast2Furius_24 (B1), Tooj_23 (B1), Triad_23 (B1), True_22 (B1), Trypo_23 (B1), Tydolla_24 (B3), TyrionL_22 (B1), UAch1_23 (B1), UncleHowie_23 (B1), Usavi_23 (B1), Vaishali24_22 (B1), Valjean_23 (B1), Vaticameos_23 (B1), Vectra_22 (B1), Veritas_22 (B1), Vincenzo_22 (B4), VioletZ_21 (B4), Virapocalypse_23 (B1), Virgeve_22 (B1), Vista_23 (B1), Vivaldi_23 (B1), Vortex_23 (B1), Waleliano_21 (B4),

Wallhey_22 (B1), Waterdiva_23 (B1), Weher20_23 (B1), Windsor_22 (B1), Xavier_22 (B1), Xincheng_20 (B4), Yahalom_24 (B3), Yinz_24 (B3), Yoshand_23 (B1), YouGoGlencoco_23 (B1), Zaider_24 (B1), Zelda_23 (B1), Zemanar_22 (B4), Zenteno07_27 (B13), Zonia_23 (B1),

Start 26:
• Found in 1 of 546 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 480
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_25 (B9),

Start 27:
• Found in 52 of 546 (9.5%) of genes in pham
• Manual Annotations of this start: 11 of 480
• Called 23.1% of time when present
• Phage (with cluster) where this start called: Argie_18 (W), Caterpie_19 (AD), Cepens_17 (W), D12_17 (W), GodPhather_18 (W), Jeon_17 (W), Mao1_19 (AD), Mask_20 (AD), Megabear_17 (W), PR_17 (W), Sejanus_20 (AD), Taptic_17 (W),

Start 31:
• Found in 2 of 546 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 480
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Clawz_51 (CP), Makar_52 (CP),

Start 32:
• Found in 51 of 546 (9.3%) of genes in pham
• No Manual Annotations of this start.
• Called 2.0% of time when present
• Phage (with cluster) where this start called: Minnow_20 (B6),

Start 34:
• Found in 63 of 546 (11.5%) of genes in pham
• Manual Annotations of this start: 1 of 480
• Called 1.6% of time when present
• Phage (with cluster) where this start called: Glubnar_25 (B3),

Start 35:
• Found in 362 of 546 (66.3%) of genes in pham
• No Manual Annotations of this start.
• Called 0.3% of time when present
• Phage (with cluster) where this start called: EmGer13_22 (B1),

Start 40:
• Found in 47 of 546 (8.6%) of genes in pham
• No Manual Annotations of this start.
• Called 2.1% of time when present
• Phage (with cluster) where this start called: Marlia_24 (B3),

Summary by clusters:

There are 19 clusters represented in this pham: singleton, B2, B10, AI, B8, B11, B4, B5, B6, B7, B13, B1, W, B3, B12, CP, DR, B9, AD,

Info for manual annotations of cluster AD:
•Start number 24 was manually annotated 1 time for cluster AD.
•Start number 27 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AI:
•Start number 24 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B1:
•Start number 25 was manually annotated 296 times for cluster B1.

Info for manual annotations of cluster B10:
•Start number 25 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 25 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 25 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 25 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 22 was manually annotated 1 time for cluster B2.
•Start number 24 was manually annotated 36 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 25 was manually annotated 52 times for cluster B3.
•Start number 34 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:
•Start number 22 was manually annotated 1 time for cluster B4.
•Start number 25 was manually annotated 28 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 25 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 24 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:
•Start number 25 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 25 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 25 was manually annotated 5 times for cluster B9.
•Start number 26 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster CP:
•Start number 31 was manually annotated 1 time for cluster CP.

Info for manual annotations of cluster DR:
•Start number 24 was manually annotated 16 times for cluster DR.
•Start number 25 was manually annotated 7 times for cluster DR.

Info for manual annotations of cluster W:
•Start number 27 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_019 Start: 16977, Stop: 17525, Start Num: 24
Candidate Starts for 39HC_019:
(Start: 22 @16812 has 2 MA's), (23, 16926), (Start: 24 @16977 has 57 MA's), (32, 17010), (Start: 34 @17016 has 1 MA's), (36, 17022), (71, 17202), (81, 17271), (84, 17280), (86, 17292), (88, 17307), (96, 17373), (100, 17403), (117, 17505),

Gene: 40BC_019 Start: 16977, Stop: 17525, Start Num: 24
Candidate Starts for 40BC_019:
(Start: 22 @16812 has 2 MA's), (23, 16926), (Start: 24 @16977 has 57 MA's), (32, 17010), (Start: 34 @17016 has 1 MA's), (36, 17022), (71, 17202), (81, 17271), (84, 17280), (86, 17292), (88, 17307), (96, 17373), (100, 17403), (117, 17505),

Gene: ABU_23 Start: 17801, Stop: 18319, Start Num: 25
Candidate Starts for ABU_23:
(6, 17246), (7, 17300), (9, 17315), (10, 17324), (16, 17441), (18, 17483), (20, 17528), (23, 17747), (Start: 25 @17801 has 407 MA's), (35, 17834), (67, 17990), (68, 17996), (71, 18005), (81, 18071), (95, 18155), (111, 18257), (117, 18299),

Gene: Abinghost_24 Start: 18476, Stop: 18997, Start Num: 25
Candidate Starts for Abinghost_24:
(Start: 25 @18476 has 407 MA's), (Start: 34 @18506 has 1 MA's), (40, 18524), (45, 18536), (61, 18641), (81, 18764), (83, 18770), (85, 18779), (95, 18848), (106, 18905),

Gene: AbsoluteMadLad_22 Start: 17802, Stop: 18320, Start Num: 25
Candidate Starts for AbsoluteMadLad_22:
(23, 17748), (Start: 25 @17802 has 407 MA's), (35, 17835), (67, 17991), (68, 17997), (71, 18006), (81, 18072), (95, 18156), (111, 18258), (117, 18300),

Gene: Acadian_23 Start: 18554, Stop: 19045, Start Num: 25
Candidate Starts for Acadian_23:
(Start: 25 @18554 has 407 MA's), (39, 18590), (42, 18599), (54, 18641), (68, 18725), (69, 18728), (81, 18803), (86, 18824), (87, 18836), (113, 19007),

Gene: Adriana_23 Start: 17804, Stop: 18322, Start Num: 25
Candidate Starts for Adriana_23:
(6, 17249), (7, 17303), (9, 17318), (10, 17327), (16, 17444), (18, 17486), (20, 17531), (23, 17750), (Start: 25 @17804 has 407 MA's), (35, 17837), (67, 17993), (68, 17999), (71, 18008), (81, 18074), (95, 18158), (111, 18260), (117, 18302),

Gene: Aelin_22 Start: 17367, Stop: 17885, Start Num: 25
Candidate Starts for Aelin_22:

(23, 17313), (Start: 25 @17367 has 407 MA's), (35, 17400), (67, 17556), (68, 17562), (71, 17571), (81, 17637), (95, 17721), (111, 17823), (117, 17865),

Gene: Ahwei_20 Start: 17403, Stop: 17933, Start Num: 25
Candidate Starts for Ahwei_20:
(8, 16914), (14, 16947), (Start: 22 @17235 has 2 MA's), (Start: 25 @17403 has 407 MA's), (32, 17433), (50, 17502), (68, 17607), (72, 17637), (74, 17655), (82, 17688), (84, 17694), (86, 17706), (88, 17721), (96, 17775), (108, 17853),

Gene: Akoma_24 Start: 18474, Stop: 18995, Start Num: 25
Candidate Starts for Akoma_24:
(Start: 25 @18474 has 407 MA's), (Start: 34 @18504 has 1 MA's), (61, 18639), (81, 18762), (83, 18768), (85, 18777), (95, 18846), (106, 18903),

Gene: AksarBAT_20 Start: 16252, Stop: 16791, Start Num: 24
Candidate Starts for AksarBAT_20:
(23, 16201), (Start: 24 @16252 has 57 MA's), (35, 16297), (54, 16378), (71, 16474), (81, 16543), (82, 16546), (84, 16552), (88, 16579), (89, 16582), (115, 16762),

Gene: AlanGrant_22 Start: 19205, Stop: 19732, Start Num: 25
Candidate Starts for AlanGrant_22:
(Start: 25 @19205 has 407 MA's), (32, 19235), (47, 19292), (50, 19304), (68, 19409), (71, 19418), (74, 19457), (81, 19484), (84, 19493), (86, 19505), (88, 19520), (95, 19568), (96, 19574), (108, 19652),

Gene: Aleia_23 Start: 17380, Stop: 17898, Start Num: 25
Candidate Starts for Aleia_23:
(2, 16774), (6, 16825), (7, 16879), (9, 16894), (10, 16903), (16, 17020), (18, 17062), (20, 17107), (23, 17326), (Start: 25 @17380 has 407 MA's), (35, 17413), (67, 17569), (68, 17575), (71, 17584), (81, 17650), (95, 17734), (111, 17836), (117, 17878),

Gene: Allegro_25 Start: 19911, Stop: 20471, Start Num: 24
Candidate Starts for Allegro_25:
(Start: 24 @19911 has 57 MA's), (Start: 27 @19929 has 11 MA's), (35, 19959), (39, 19971), (54, 20043), (63, 20100), (68, 20136), (73, 20187), (79, 20220), (103, 20367), (116, 20445),

Gene: AltPhacts_23 Start: 17796, Stop: 18314, Start Num: 25
Candidate Starts for AltPhacts_23:
(23, 17742), (Start: 25 @17796 has 407 MA's), (35, 17829), (67, 17985), (68, 17991), (71, 18000), (81, 18066), (95, 18150), (111, 18252), (117, 18294),

Gene: Altwerkus_22 Start: 17496, Stop: 18014, Start Num: 25
Candidate Starts for Altwerkus_22:
(23, 17442), (Start: 25 @17496 has 407 MA's), (35, 17529), (67, 17685), (68, 17691), (71, 17700), (81, 17766), (95, 17850), (111, 17952), (117, 17994),

Gene: AnClar_21 Start: 18550, Stop: 19098, Start Num: 25
Candidate Starts for AnClar_21:
(21, 18364), (Start: 22 @18382 has 2 MA's), (23, 18496), (Start: 24 @18547 has 57 MA's), (Start: 25 @18550 has 407 MA's), (42, 18616), (50, 18655), (58, 18706), (82, 18844), (86, 18862), (88, 18877), (111, 19033), (113, 19057), (115, 19066),

Gene: AnarQue_22 Start: 17730, Stop: 18269, Start Num: 24
Candidate Starts for AnarQue_22:

(23, 17679), (Start: 24 @17730 has 57 MA's), (42, 17796), (71, 17952), (78, 18012), (81, 18021), (86, 18042), (100, 18141), (104, 18162), (113, 18231), (115, 18240),

Gene: Anderson_23 Start: 17794, Stop: 18312, Start Num: 25
Candidate Starts for Anderson_23:
(6, 17239), (7, 17293), (9, 17308), (10, 17317), (16, 17434), (18, 17476), (20, 17521), (23, 17740), (Start: 25 @17794 has 407 MA's), (35, 17827), (67, 17983), (68, 17989), (71, 17998), (81, 18064), (95, 18148), (111, 18250), (117, 18292),

Gene: Andre_23 Start: 17792, Stop: 18310, Start Num: 25
Candidate Starts for Andre_23:
(23, 17738), (Start: 25 @17792 has 407 MA's), (35, 17825), (67, 17981), (68, 17987), (71, 17996), (81, 18062), (95, 18146), (111, 18248), (117, 18290),

Gene: AngelCake_23 Start: 17807, Stop: 18325, Start Num: 25
Candidate Starts for AngelCake_23:
(2, 17198), (6, 17252), (7, 17306), (9, 17321), (10, 17330), (16, 17447), (18, 17489), (20, 17534), (23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95, 18161), (111, 18263), (117, 18305),

Gene: Antihero_20 Start: 17403, Stop: 17933, Start Num: 25
Candidate Starts for Antihero_20:
(8, 16914), (14, 16947), (Start: 22 @17235 has 2 MA's), (Start: 25 @17403 has 407 MA's), (32, 17433), (50, 17502), (68, 17607), (72, 17637), (74, 17655), (82, 17688), (84, 17694), (86, 17706), (88, 17721), (96, 17775), (108, 17853),

Gene: Antonia_22 Start: 17367, Stop: 17885, Start Num: 25
Candidate Starts for Antonia_22:
(23, 17313), (Start: 25 @17367 has 407 MA's), (35, 17400), (67, 17556), (68, 17562), (71, 17571), (81, 17637), (95, 17721), (111, 17823), (117, 17865),

Gene: Aonishiki_23 Start: 17822, Stop: 18340, Start Num: 25
Candidate Starts for Aonishiki_23:
(6, 17267), (7, 17321), (9, 17336), (10, 17345), (16, 17462), (18, 17504), (20, 17549), (23, 17768), (Start: 25 @17822 has 407 MA's), (35, 17855), (67, 18011), (68, 18017), (71, 18026), (81, 18092), (95, 18176), (111, 18278), (117, 18320),

Gene: Apex_21 Start: 18616, Stop: 19146, Start Num: 25
Candidate Starts for Apex_21:
(Start: 22 @18448 has 2 MA's), (Start: 25 @18616 has 407 MA's), (32, 18646), (50, 18715), (68, 18820), (72, 18850), (74, 18868), (82, 18901), (84, 18907), (86, 18919), (88, 18934), (96, 18988), (100, 19018), (108, 19066),

Gene: Apizium_22 Start: 17537, Stop: 18055, Start Num: 25
Candidate Starts for Apizium_22:
(23, 17483), (Start: 25 @17537 has 407 MA's), (35, 17570), (67, 17726), (68, 17732), (71, 17741), (81, 17807), (95, 17891), (111, 17993), (117, 18035),

Gene: Arbiter_25 Start: 19999, Stop: 20559, Start Num: 24
Candidate Starts for Arbiter_25:
(Start: 22 @19837 has 2 MA's), (Start: 24 @19999 has 57 MA's), (Start: 27 @20017 has 11 MA's), (28, 20020), (35, 20047), (39, 20059), (54, 20131), (63, 20188), (68, 20224), (73, 20275), (79, 20308), (103, 20455), (116, 20533),

Gene: Ares_25 Start: 19915, Stop: 20475, Start Num: 24
Candidate Starts for Ares_25:
(Start: 22 @19753 has 2 MA's), (Start: 24 @19915 has 57 MA's), (Start: 27 @19933 has 11 MA's), (28, 19936), (35, 19963), (39, 19975), (54, 20047), (63, 20104), (68, 20140), (73, 20191), (79, 20224), (103, 20371), (116, 20449),

Gene: Argie_18 Start: 17562, Stop: 18083, Start Num: 27
Candidate Starts for Argie_18:
(23, 17508), (Start: 27 @17562 has 11 MA's), (32, 17583), (42, 17613), (48, 17643), (53, 17670), (54, 17676), (60, 17715), (68, 17748), (74, 17802), (75, 17808), (77, 17823), (86, 17862), (89, 17880), (109, 18009), (110, 18018), (112, 18027), (117, 18063),

Gene: Ashraf_22 Start: 17358, Stop: 17876, Start Num: 25
Candidate Starts for Ashraf_22:
(23, 17304), (Start: 25 @17358 has 407 MA's), (35, 17391), (67, 17547), (68, 17553), (71, 17562), (81, 17628), (95, 17712), (111, 17814), (117, 17856),

Gene: Athena_25 Start: 19239, Stop: 19760, Start Num: 25
Candidate Starts for Athena_25:
(Start: 25 @19239 has 407 MA's), (Start: 34 @19269 has 1 MA's), (40, 19287), (45, 19299), (61, 19404), (81, 19527), (83, 19533), (85, 19542), (95, 19611), (106, 19668),

Gene: Audrey_24 Start: 18476, Stop: 18997, Start Num: 25
Candidate Starts for Audrey_24:
(Start: 25 @18476 has 407 MA's), (Start: 34 @18506 has 1 MA's), (40, 18524), (45, 18536), (61, 18641), (81, 18764), (83, 18770), (85, 18779), (95, 18848), (106, 18905),

Gene: Austelle_22 Start: 19072, Stop: 19602, Start Num: 25
Candidate Starts for Austelle_22:
(Start: 22 @18904 has 2 MA's), (Start: 25 @19072 has 407 MA's), (32, 19102), (50, 19171), (68, 19276), (72, 19306), (74, 19324), (82, 19357), (84, 19363), (86, 19375), (88, 19390), (96, 19444), (100, 19474), (108, 19522),

Gene: Axumite_20 Start: 16345, Stop: 16893, Start Num: 25
Candidate Starts for Axumite_20:
(20, 16072), (21, 16159), (Start: 22 @16177 has 2 MA's), (23, 16291), (Start: 25 @16345 has 407 MA's), (28, 16363), (42, 16411), (81, 16636), (86, 16657), (88, 16672), (113, 16852), (115, 16861),

Gene: Azuria_22 Start: 17817, Stop: 18335, Start Num: 25
Candidate Starts for Azuria_22:
(23, 17763), (Start: 25 @17817 has 407 MA's), (35, 17850), (67, 18006), (68, 18012), (71, 18021), (81, 18087), (95, 18171), (111, 18273), (117, 18315),

Gene: Badfish_23 Start: 17826, Stop: 18344, Start Num: 25
Candidate Starts for Badfish_23:
(6, 17271), (7, 17325), (9, 17340), (10, 17349), (16, 17466), (18, 17508), (20, 17553), (23, 17772), (Start: 25 @17826 has 407 MA's), (35, 17859), (67, 18015), (68, 18021), (71, 18030), (81, 18096), (95, 18180), (111, 18282), (117, 18324),

Gene: Baee_22 Start: 18312, Stop: 18803, Start Num: 25
Candidate Starts for Baee_22:

(11, 17838), (13, 17844), (15, 17856), (17, 17952), (19, 17994), (23, 18258), (Start: 25 @18312 has 407 MA's), (39, 18348), (42, 18357), (54, 18399), (68, 18483), (81, 18561), (86, 18582), (87, 18594), (89, 18600), (103, 18699), (113, 18765),

Gene: Baloo_24 Start: 18473, Stop: 18994, Start Num: 25
Candidate Starts for Baloo_24:
(Start: 25 @18473 has 407 MA's), (Start: 34 @18503 has 1 MA's), (40, 18521), (45, 18533), (61, 18638), (81, 18761), (83, 18767), (85, 18776), (95, 18845), (106, 18902),

Gene: Bananafish_25 Start: 19908, Stop: 20468, Start Num: 24
Candidate Starts for Bananafish_25:
(Start: 22 @19746 has 2 MA's), (Start: 24 @19908 has 57 MA's), (Start: 27 @19926 has 11 MA's), (28, 19929), (35, 19956), (39, 19968), (54, 20040), (63, 20097), (68, 20133), (73, 20184), (79, 20217), (103, 20364), (116, 20442),

Gene: Banjo_22 Start: 17503, Stop: 18021, Start Num: 25
Candidate Starts for Banjo_22:
(23, 17449), (Start: 25 @17503 has 407 MA's), (35, 17536), (67, 17692), (68, 17698), (71, 17707), (81, 17773), (95, 17857), (111, 17959), (117, 18001),

Gene: Basato_24 Start: 18028, Stop: 18546, Start Num: 25
Candidate Starts for Basato_24:
(23, 17974), (Start: 25 @18028 has 407 MA's), (35, 18061), (67, 18217), (68, 18223), (71, 18232), (81, 18298), (95, 18382), (111, 18484), (117, 18526),

Gene: BatteryCK_22 Start: 17360, Stop: 17878, Start Num: 25
Candidate Starts for BatteryCK_22:
(2, 16754), (6, 16805), (7, 16859), (9, 16874), (10, 16883), (16, 17000), (18, 17042), (20, 17087), (23, 17306), (Start: 25 @17360 has 407 MA's), (35, 17393), (67, 17549), (68, 17555), (71, 17564), (81, 17630), (95, 17714), (111, 17816), (117, 17858),

Gene: Beaglebox_22 Start: 17523, Stop: 18041, Start Num: 25
Candidate Starts for Beaglebox_22:
(6, 16968), (7, 17022), (9, 17037), (10, 17046), (16, 17163), (18, 17205), (20, 17250), (23, 17469), (Start: 25 @17523 has 407 MA's), (35, 17556), (67, 17712), (68, 17718), (71, 17727), (81, 17793), (95, 17877), (111, 17979), (117, 18021),

Gene: Ben11_23 Start: 18298, Stop: 18819, Start Num: 25
Candidate Starts for Ben11_23:
(Start: 25 @18298 has 407 MA's), (Start: 34 @18328 has 1 MA's), (40, 18346), (45, 18358), (61, 18463), (81, 18586), (83, 18592), (85, 18601), (95, 18670), (106, 18727),

Gene: Bernardo_24 Start: 18473, Stop: 18994, Start Num: 25
Candidate Starts for Bernardo_24:
(Start: 25 @18473 has 407 MA's), (Start: 34 @18503 has 1 MA's), (40, 18521), (61, 18638), (81, 18761), (83, 18767), (85, 18776), (95, 18845), (106, 18902),

Gene: BiggityBass_20 Start: 18635, Stop: 19186, Start Num: 24
Candidate Starts for BiggityBass_20:
(21, 18452), (Start: 22 @18470 has 2 MA's), (23, 18584), (Start: 24 @18635 has 57 MA's), (Start: 25 @18638 has 407 MA's), (28, 18656), (50, 18743), (86, 18950), (88, 18965), (111, 19121), (113, 19145), (115, 19154),

Gene: BirdsNest_26 Start: 17878, Stop: 18396, Start Num: 25
Candidate Starts for BirdsNest_26:
(12, 17407), (14, 17419), (Start: 22 @17710 has 2 MA's), (Start: 25 @17878 has 407 MA's), (38, 17920), (52, 17983), (54, 17992), (71, 18079), (82, 18151), (85, 18163), (88, 18184), (120, 18391),

Gene: Bishoperium_22 Start: 17509, Stop: 18027, Start Num: 25
Candidate Starts for Bishoperium_22:
(23, 17455), (Start: 25 @17509 has 407 MA's), (35, 17542), (67, 17698), (68, 17704), (71, 17713), (81, 17779), (95, 17863), (111, 17965), (117, 18007),

Gene: BlackStallion_23 Start: 17814, Stop: 18332, Start Num: 25
Candidate Starts for BlackStallion_23:
(6, 17259), (7, 17313), (9, 17328), (10, 17337), (16, 17454), (18, 17496), (20, 17541), (23, 17760), (Start: 25 @17814 has 407 MA's), (35, 17847), (67, 18003), (68, 18009), (71, 18018), (81, 18084), (95, 18168), (111, 18270), (117, 18312),

Gene: Blackpen_22 Start: 17148, Stop: 17687, Start Num: 24
Candidate Starts for Blackpen_22:
(23, 17097), (Start: 24 @17148 has 57 MA's), (42, 17214), (71, 17370), (78, 17430), (81, 17439), (86, 17460), (100, 17559), (104, 17580), (113, 17649), (115, 17658),

Gene: BlacksBerry_22 Start: 17518, Stop: 18036, Start Num: 25
Candidate Starts for BlacksBerry_22:
(23, 17464), (Start: 25 @17518 has 407 MA's), (35, 17551), (67, 17707), (68, 17713), (71, 17722), (81, 17788), (95, 17872), (111, 17974), (117, 18016),

Gene: Blocker23_25 Start: 20032, Stop: 20592, Start Num: 24
Candidate Starts for Blocker23_25:
(Start: 22 @19870 has 2 MA's), (Start: 24 @20032 has 57 MA's), (Start: 27 @20050 has 11 MA's), (35, 20080), (39, 20092), (54, 20164), (63, 20221), (68, 20257), (73, 20308), (79, 20341), (103, 20488), (116, 20566),

Gene: BlueHusk_23 Start: 17310, Stop: 17828, Start Num: 25
Candidate Starts for BlueHusk_23:
(23, 17256), (Start: 25 @17310 has 407 MA's), (35, 17343), (67, 17499), (68, 17505), (71, 17514), (81, 17580), (95, 17664), (111, 17766), (117, 17808),

Gene: Bluephacebaby_22 Start: 17509, Stop: 18027, Start Num: 25
Candidate Starts for Bluephacebaby_22:
(23, 17455), (Start: 25 @17509 has 407 MA's), (35, 17542), (67, 17698), (68, 17704), (71, 17713), (81, 17779), (95, 17863), (111, 17965), (117, 18007),

Gene: BobRoss2024_19 Start: 16107, Stop: 16655, Start Num: 24
Candidate Starts for BobRoss2024_19:
(Start: 22 @15942 has 2 MA's), (23, 16056), (Start: 24 @16107 has 57 MA's), (42, 16173), (48, 16203), (71, 16332), (82, 16404), (88, 16437), (115, 16626),

Gene: BobbyK_21 Start: 18435, Stop: 18965, Start Num: 25
Candidate Starts for BobbyK_21:
(Start: 22 @18267 has 2 MA's), (Start: 25 @18435 has 407 MA's), (32, 18465), (50, 18534), (68, 18639), (72, 18669), (74, 18687), (82, 18720), (84, 18726), (86, 18738), (88, 18753), (96, 18807), (100, 18837), (108, 18885),

Gene: Boehler_23 Start: 17819, Stop: 18337, Start Num: 25
Candidate Starts for Boehler_23:
(23, 17765), (Start: 25 @17819 has 407 MA's), (35, 17852), (67, 18008), (68, 18014), (71, 18023), (81, 18089), (95, 18173), (111, 18275), (117, 18317),

Gene: BoogieWoogie_23 Start: 17496, Stop: 18014, Start Num: 25
Candidate Starts for BoogieWoogie_23:
(2, 16890), (6, 16941), (7, 16995), (9, 17010), (10, 17019), (16, 17136), (18, 17178), (20, 17223), (23, 17442), (Start: 25 @17496 has 407 MA's), (35, 17529), (67, 17685), (68, 17691), (71, 17700), (81, 17766), (95, 17850), (111, 17952), (117, 17994),

Gene: Boyle_25 Start: 20033, Stop: 20593, Start Num: 24
Candidate Starts for Boyle_25:
(Start: 22 @19871 has 2 MA's), (Start: 24 @20033 has 57 MA's), (Start: 27 @20051 has 11 MA's), (28, 20054), (35, 20081), (39, 20093), (54, 20165), (63, 20222), (68, 20258), (73, 20309), (79, 20342), (103, 20489), (116, 20567),

Gene: Briakila_24 Start: 19241, Stop: 19762, Start Num: 25
Candidate Starts for Briakila_24:
(Start: 25 @19241 has 407 MA's), (Start: 34 @19271 has 1 MA's), (61, 19406), (81, 19529), (83, 19535), (85, 19544), (95, 19613), (106, 19670),

Gene: Brilliant_23 Start: 17514, Stop: 18032, Start Num: 25
Candidate Starts for Brilliant_23:
(2, 16908), (6, 16959), (7, 17013), (9, 17028), (10, 17037), (16, 17154), (18, 17196), (20, 17241), (23, 17460), (Start: 25 @17514 has 407 MA's), (35, 17547), (67, 17703), (68, 17709), (71, 17718), (81, 17784), (95, 17868), (111, 17970), (117, 18012),

Gene: BrownCNA_22 Start: 18687, Stop: 19217, Start Num: 25
Candidate Starts for BrownCNA_22:
(Start: 22 @18519 has 2 MA's), (Start: 25 @18687 has 407 MA's), (32, 18717), (50, 18786), (68, 18891), (72, 18921), (74, 18939), (82, 18972), (84, 18978), (86, 18990), (88, 19005), (96, 19059), (108, 19137),

Gene: Brownie5_25 Start: 20032, Stop: 20592, Start Num: 24
Candidate Starts for Brownie5_25:
(Start: 22 @19870 has 2 MA's), (Start: 24 @20032 has 57 MA's), (Start: 27 @20050 has 11 MA's), (28, 20053), (35, 20080), (39, 20092), (54, 20164), (63, 20221), (68, 20257), (73, 20308), (79, 20341), (103, 20488), (116, 20566),

Gene: Buckeye_23 Start: 17833, Stop: 18351, Start Num: 25
Candidate Starts for Buckeye_23:
(6, 17278), (7, 17332), (9, 17347), (10, 17356), (16, 17473), (18, 17515), (20, 17560), (23, 17779), (Start: 25 @17833 has 407 MA's), (35, 17866), (67, 18022), (68, 18028), (71, 18037), (81, 18103), (95, 18187), (111, 18289), (117, 18331),

Gene: Burr_22 Start: 17508, Stop: 18026, Start Num: 25
Candidate Starts for Burr_22:
(6, 16953), (7, 17007), (9, 17022), (10, 17031), (16, 17148), (18, 17190), (20, 17235), (23, 17454), (Start: 25 @17508 has 407 MA's), (35, 17541), (67, 17697), (68, 17703), (71, 17712), (81, 17778), (95, 17862), (111, 17964), (117, 18006),

Gene: CRB2_25 Start: 20186, Stop: 20707, Start Num: 26

Candidate Starts for CRB2_25:
(Start: 22 @20015 has 2 MA's), (Start: 25 @20183 has 407 MA's), (Start: 26 @20186 has 1 MA's), (Start: 34 @20216 has 1 MA's), (71, 20390), (81, 20459), (86, 20480), (88, 20495), (97, 20555), (101, 20585), (108, 20627), (113, 20669),

Gene: CaiB_22 Start: 17716, Stop: 18255, Start Num: 24
Candidate Starts for CaiB_22:
(23, 17665), (Start: 24 @17716 has 57 MA's), (42, 17782), (71, 17938), (78, 17998), (81, 18007), (86, 18028), (100, 18127), (104, 18148), (113, 18217), (115, 18226),

Gene: Calamitous_25 Start: 19912, Stop: 20472, Start Num: 24
Candidate Starts for Calamitous_25:
(Start: 22 @19750 has 2 MA's), (Start: 24 @19912 has 57 MA's), (Start: 27 @19930 has 11 MA's), (28, 19933), (35, 19960), (39, 19972), (54, 20044), (63, 20101), (68, 20137), (73, 20188), (79, 20221), (103, 20368), (116, 20446),

Gene: CamL_23 Start: 17807, Stop: 18325, Start Num: 25
Candidate Starts for CamL_23:
(23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95, 18161), (111, 18263), (117, 18305),

Gene: CampRoach_23 Start: 17800, Stop: 18318, Start Num: 25
Candidate Starts for CampRoach_23:
(6, 17245), (7, 17299), (9, 17314), (10, 17323), (16, 17440), (18, 17482), (20, 17527), (23, 17746), (Start: 25 @17800 has 407 MA's), (35, 17833), (67, 17989), (68, 17995), (71, 18004), (81, 18070), (95, 18154), (111, 18256), (117, 18298),

Gene: Cannibal_23 Start: 17793, Stop: 18311, Start Num: 25
Candidate Starts for Cannibal_23:
(6, 17238), (7, 17292), (9, 17307), (10, 17316), (16, 17433), (18, 17475), (20, 17520), (23, 17739), (Start: 25 @17793 has 407 MA's), (35, 17826), (67, 17982), (68, 17988), (71, 17997), (81, 18063), (95, 18147), (111, 18249), (117, 18291),

Gene: Carthage_21 Start: 16719, Stop: 17237, Start Num: 25
Candidate Starts for Carthage_21:
(23, 16665), (Start: 25 @16719 has 407 MA's), (35, 16752), (67, 16908), (68, 16914), (71, 16923), (81, 16989), (95, 17073), (111, 17175), (117, 17217),

Gene: Casbah_23 Start: 18328, Stop: 18849, Start Num: 25
Candidate Starts for Casbah_23:
(Start: 25 @18328 has 407 MA's), (Start: 34 @18358 has 1 MA's), (61, 18493), (81, 18616), (83, 18622), (85, 18631), (95, 18700), (106, 18757),

Gene: Caspiboi_22 Start: 17514, Stop: 18032, Start Num: 25
Candidate Starts for Caspiboi_22:
(2, 16908), (6, 16959), (7, 17013), (9, 17028), (10, 17037), (16, 17154), (18, 17196), (20, 17241), (23, 17460), (Start: 25 @17514 has 407 MA's), (35, 17547), (67, 17703), (68, 17709), (71, 17718), (81, 17784), (95, 17868), (111, 17970), (117, 18012),

Gene: Caterpie_19 Start: 15617, Stop: 16162, Start Num: 27
Candidate Starts for Caterpie_19:
(Start: 24 @15614 has 57 MA's), (Start: 27 @15617 has 11 MA's), (42, 15668), (48, 15698), (54, 15731), (59, 15770), (64, 15800), (68, 15827), (78, 15911), (79, 15914), (86, 15941), (89, 15959), (93,

15983), (117, 16142),

Gene: Causa_29 Start: 20871, Stop: 21404, Start Num: 24
Candidate Starts for Causa_29:
(Start: 24 @20871 has 57 MA's), (42, 20928), (49, 20961), (68, 21081), (95, 21252), (105, 21309), (108, 21324), (111, 21342),

Gene: Cepens_17 Start: 17286, Stop: 17807, Start Num: 27
Candidate Starts for Cepens_17:
(23, 17232), (Start: 27 @17286 has 11 MA's), (42, 17337), (48, 17367), (53, 17394), (54, 17400), (68, 17472), (74, 17526), (75, 17532), (77, 17547), (86, 17586), (89, 17604), (109, 17733), (110, 17742), (112, 17751), (117, 17787),

Gene: ChaChing_24 Start: 18491, Stop: 19012, Start Num: 25
Candidate Starts for ChaChing_24:
(Start: 25 @18491 has 407 MA's), (Start: 34 @18521 has 1 MA's), (40, 18539), (45, 18551), (61, 18656), (81, 18779), (83, 18785), (85, 18794), (95, 18863), (106, 18920),

Gene: Chaelin_22 Start: 17476, Stop: 17994, Start Num: 25
Candidate Starts for Chaelin_22:
(6, 16921), (7, 16975), (9, 16990), (10, 16999), (16, 17116), (18, 17158), (20, 17203), (23, 17422), (Start: 25 @17476 has 407 MA's), (35, 17509), (67, 17665), (68, 17671), (71, 17680), (81, 17746), (95, 17830), (111, 17932), (117, 17974),

Gene: Chah_24 Start: 17827, Stop: 18345, Start Num: 25
Candidate Starts for Chah_24:
(23, 17773), (Start: 25 @17827 has 407 MA's), (35, 17860), (67, 18016), (68, 18022), (71, 18031), (81, 18097), (95, 18181), (111, 18283), (117, 18325),

Gene: Chalmers_24 Start: 19282, Stop: 19803, Start Num: 25
Candidate Starts for Chalmers_24:
(Start: 25 @19282 has 407 MA's), (Start: 34 @19312 has 1 MA's), (40, 19330), (45, 19342), (61, 19447), (81, 19570), (83, 19576), (85, 19585), (95, 19654), (106, 19711),

Gene: Chandler_24 Start: 19250, Stop: 19771, Start Num: 25
Candidate Starts for Chandler_24:
(Start: 25 @19250 has 407 MA's), (Start: 34 @19280 has 1 MA's), (40, 19298), (45, 19310), (61, 19415), (81, 19538), (83, 19544), (85, 19553), (95, 19622), (106, 19679),

Gene: Charles1_23 Start: 17791, Stop: 18309, Start Num: 25
Candidate Starts for Charles1_23:
(6, 17236), (7, 17290), (9, 17305), (10, 17314), (16, 17431), (18, 17473), (20, 17518), (23, 17737), (Start: 25 @17791 has 407 MA's), (35, 17824), (67, 17980), (68, 17986), (71, 17995), (81, 18061), (95, 18145), (111, 18247), (117, 18289),

Gene: CharlieGBrown_22 Start: 17378, Stop: 17896, Start Num: 25
Candidate Starts for CharlieGBrown_22:
(2, 16772), (6, 16823), (7, 16877), (9, 16892), (10, 16901), (16, 17018), (18, 17060), (20, 17105), (23, 17324), (Start: 25 @17378 has 407 MA's), (35, 17411), (67, 17567), (68, 17573), (71, 17582), (81, 17648), (95, 17732), (111, 17834), (117, 17876),

Gene: CharlottesWeb_20 Start: 16236, Stop: 16784, Start Num: 24
Candidate Starts for CharlottesWeb_20:

(21, 16053), (Start: 22 @16071 has 2 MA's), (23, 16185), (Start: 24 @16236 has 57 MA's), (42, 16302), (71, 16458), (80, 16524), (86, 16548), (88, 16563), (100, 16647), (115, 16752),

Gene: CheetO_23 Start: 17806, Stop: 18324, Start Num: 25
Candidate Starts for CheetO_23:
(23, 17752), (Start: 25 @17806 has 407 MA's), (35, 17839), (67, 17995), (68, 18001), (71, 18010), (81, 18076), (95, 18160), (111, 18262), (117, 18304),

Gene: Chentzyk_23 Start: 18346, Stop: 18867, Start Num: 25
Candidate Starts for Chentzyk_23:
(Start: 25 @18346 has 407 MA's), (Start: 34 @18376 has 1 MA's), (40, 18394), (45, 18406), (61, 18511), (81, 18634), (83, 18640), (85, 18649), (95, 18718), (106, 18775),

Gene: Cher_22 Start: 17532, Stop: 18050, Start Num: 25
Candidate Starts for Cher_22:
(23, 17478), (Start: 25 @17532 has 407 MA's), (35, 17565), (67, 17721), (68, 17727), (71, 17736), (81, 17802), (95, 17886), (111, 17988), (117, 18030),

Gene: Childish_22 Start: 17520, Stop: 18038, Start Num: 25
Candidate Starts for Childish_22:
(23, 17466), (Start: 25 @17520 has 407 MA's), (35, 17553), (67, 17709), (68, 17715), (71, 17724), (81, 17790), (95, 17874), (111, 17976), (117, 18018),

Gene: Chipette_24 Start: 18029, Stop: 18547, Start Num: 25
Candidate Starts for Chipette_24:
(23, 17975), (Start: 25 @18029 has 407 MA's), (35, 18062), (67, 18218), (68, 18224), (71, 18233), (81, 18299), (95, 18383), (111, 18485), (117, 18527),

Gene: Chorkpop_23 Start: 17531, Stop: 18049, Start Num: 25
Candidate Starts for Chorkpop_23:
(23, 17477), (Start: 25 @17531 has 407 MA's), (35, 17564), (67, 17720), (68, 17726), (71, 17735), (81, 17801), (95, 17885), (111, 17987), (117, 18029),

Gene: ChrisnMich_20 Start: 17392, Stop: 17922, Start Num: 25
Candidate Starts for ChrisnMich_20:
(Start: 22 @17224 has 2 MA's), (Start: 25 @17392 has 407 MA's), (32, 17422), (50, 17491), (68, 17596), (72, 17626), (74, 17644), (82, 17677), (84, 17683), (86, 17695), (88, 17710), (96, 17764), (108, 17842),

Gene: Chuni_23 Start: 17825, Stop: 18343, Start Num: 25
Candidate Starts for Chuni_23:
(6, 17270), (7, 17324), (9, 17339), (10, 17348), (16, 17465), (18, 17507), (20, 17552), (23, 17771), (Start: 25 @17825 has 407 MA's), (35, 17858), (67, 18014), (68, 18020), (71, 18029), (81, 18095), (95, 18179), (111, 18281), (117, 18323),

Gene: Chunky_23 Start: 17819, Stop: 18337, Start Num: 25
Candidate Starts for Chunky_23:
(23, 17765), (Start: 25 @17819 has 407 MA's), (35, 17852), (67, 18008), (68, 18014), (71, 18023), (81, 18089), (95, 18173), (111, 18275), (117, 18317),

Gene: Chute_23 Start: 17824, Stop: 18342, Start Num: 25
Candidate Starts for Chute_23:

(2, 17218), (6, 17269), (7, 17323), (9, 17338), (10, 17347), (16, 17464), (18, 17506), (20, 17551), (23, 17770), (Start: 25 @17824 has 407 MA's), (35, 17857), (67, 18013), (68, 18019), (71, 18028), (81, 18094), (95, 18178), (111, 18280), (117, 18322),

Gene: Clawz_51 Start: 28542, Stop: 29084, Start Num: 31
Candidate Starts for Clawz_51:
(20, 28248), (21, 28335), (Start: 22 @28350 has 2 MA's), (23, 28464), (Start: 31 @28542 has 1 MA's), (41, 28572), (42, 28575), (56, 28662), (68, 28734), (73, 28785), (92, 28881), (99, 28950), (107, 28989), (116, 29055),

Gene: CloverMinnie_22 Start: 17656, Stop: 18195, Start Num: 24
Candidate Starts for CloverMinnie_22:
(23, 17605), (Start: 24 @17656 has 57 MA's), (42, 17722), (71, 17878), (78, 17938), (81, 17947), (86, 17968), (100, 18067), (104, 18088), (113, 18157), (115, 18166),

Gene: Cobra_23 Start: 17812, Stop: 18330, Start Num: 25
Candidate Starts for Cobra_23:
(23, 17758), (Start: 25 @17812 has 407 MA's), (35, 17845), (67, 18001), (68, 18007), (71, 18016), (81, 18082), (95, 18166), (111, 18268), (117, 18310),

Gene: Coco2012_20 Start: 16233, Stop: 16781, Start Num: 24
Candidate Starts for Coco2012_20:
(21, 16050), (Start: 22 @16068 has 2 MA's), (23, 16182), (Start: 24 @16233 has 57 MA's), (42, 16299), (71, 16455), (80, 16521), (86, 16545), (88, 16560), (100, 16644), (115, 16749),

Gene: Coffee_25 Start: 20025, Stop: 20585, Start Num: 24
Candidate Starts for Coffee_25:
(Start: 22 @19863 has 2 MA's), (Start: 24 @20025 has 57 MA's), (Start: 27 @20043 has 11 MA's), (28, 20046), (35, 20073), (39, 20085), (54, 20157), (63, 20214), (68, 20250), (73, 20301), (79, 20334), (103, 20481), (116, 20559),

Gene: Colbert_23 Start: 17809, Stop: 18327, Start Num: 25
Candidate Starts for Colbert_23:
(23, 17755), (Start: 25 @17809 has 407 MA's), (35, 17842), (67, 17998), (68, 18004), (71, 18013), (81, 18079), (95, 18163), (111, 18265), (117, 18307),

Gene: Coldpizza_23 Start: 20577, Stop: 21116, Start Num: 24
Candidate Starts for Coldpizza_23:
(23, 20526), (Start: 24 @20577 has 57 MA's), (39, 20634), (42, 20643), (58, 20733), (68, 20790), (88, 20904), (89, 20907), (90, 20913), (116, 21090),

Gene: Coletti_23 Start: 17824, Stop: 18342, Start Num: 25
Candidate Starts for Coletti_23:
(2, 17218), (6, 17269), (7, 17323), (9, 17338), (10, 17347), (16, 17464), (18, 17506), (20, 17551), (23, 17770), (Start: 25 @17824 has 407 MA's), (35, 17857), (67, 18013), (68, 18019), (71, 18028), (81, 18094), (95, 18178), (111, 18280), (117, 18322),

Gene: Compostia_25 Start: 18909, Stop: 19430, Start Num: 25
Candidate Starts for Compostia_25:
(Start: 25 @18909 has 407 MA's), (Start: 34 @18939 has 1 MA's), (40, 18957), (45, 18969), (61, 19074), (81, 19197), (83, 19203), (85, 19212), (95, 19281), (106, 19338),

Gene: Cooper_21 Start: 17506, Stop: 18036, Start Num: 25

Candidate Starts for Cooper_21:
(14, 17050), (18, 17188), (Start: 22 @17338 has 2 MA's), (Start: 25 @17506 has 407 MA's), (32, 17536), (50, 17605), (68, 17710), (74, 17758), (75, 17764), (81, 17788), (82, 17791), (84, 17797), (86, 17809), (88, 17824), (96, 17878), (98, 17896), (100, 17908), (105, 17932), (108, 17956), (118, 18019),

Gene: Cornbread_22 Start: 17525, Stop: 18043, Start Num: 25
Candidate Starts for Cornbread_22:
(23, 17471), (Start: 25 @17525 has 407 MA's), (35, 17558), (67, 17714), (68, 17720), (71, 17729), (81, 17795), (95, 17879), (111, 17981), (117, 18023),

Gene: Cornobble_22 Start: 17367, Stop: 17885, Start Num: 25
Candidate Starts for Cornobble_22:
(6, 16812), (7, 16866), (9, 16881), (10, 16890), (16, 17007), (18, 17049), (20, 17094), (23, 17313), (Start: 25 @17367 has 407 MA's), (35, 17400), (67, 17556), (68, 17562), (71, 17571), (81, 17637), (95, 17721), (111, 17823), (117, 17865),

Gene: Corofin_24 Start: 18501, Stop: 19022, Start Num: 25
Candidate Starts for Corofin_24:
(Start: 25 @18501 has 407 MA's), (Start: 34 @18531 has 1 MA's), (40, 18549), (45, 18561), (61, 18666), (81, 18789), (83, 18795), (85, 18804), (95, 18873), (106, 18930),

Gene: Cosmolli16_22 Start: 17526, Stop: 18044, Start Num: 25
Candidate Starts for Cosmolli16_22:
(6, 16971), (7, 17025), (9, 17040), (10, 17049), (16, 17166), (18, 17208), (20, 17253), (23, 17472), (Start: 25 @17526 has 407 MA's), (35, 17559), (67, 17715), (68, 17721), (71, 17730), (81, 17796), (95, 17880), (111, 17982), (117, 18024),

Gene: Craff_23 Start: 17813, Stop: 18331, Start Num: 25
Candidate Starts for Craff_23:
(6, 17258), (7, 17312), (9, 17327), (10, 17336), (16, 17453), (18, 17495), (20, 17540), (23, 17759), (Start: 25 @17813 has 407 MA's), (35, 17846), (67, 18002), (68, 18008), (71, 18017), (81, 18083), (95, 18167), (111, 18269), (117, 18311),

Gene: Crownjwl_23 Start: 17580, Stop: 18098, Start Num: 25
Candidate Starts for Crownjwl_23:
(23, 17526), (Start: 25 @17580 has 407 MA's), (35, 17613), (67, 17769), (68, 17775), (71, 17784), (81, 17850), (95, 17934), (111, 18036), (117, 18078),

Gene: D12_17 Start: 17279, Stop: 17800, Start Num: 27
Candidate Starts for D12_17:
(23, 17225), (Start: 27 @17279 has 11 MA's), (42, 17330), (48, 17360), (50, 17372), (53, 17387), (54, 17393), (68, 17465), (74, 17519), (75, 17525), (77, 17540), (86, 17579), (89, 17597), (109, 17726), (110, 17735), (112, 17744), (117, 17780),

Gene: DaddyDaniels_23 Start: 17505, Stop: 18023, Start Num: 25
Candidate Starts for DaddyDaniels_23:
(23, 17451), (Start: 25 @17505 has 407 MA's), (35, 17538), (67, 17694), (68, 17700), (71, 17709), (81, 17775), (95, 17859), (111, 17961), (117, 18003),

Gene: Daffy_23 Start: 17532, Stop: 18050, Start Num: 25
Candidate Starts for Daffy_23:
(23, 17478), (Start: 25 @17532 has 407 MA's), (35, 17565), (67, 17721), (68, 17727), (71, 17736), (81, 17802), (95, 17886), (111, 17988), (117, 18030),

Gene: Daisy_24 Start: 18497, Stop: 19018, Start Num: 25
Candidate Starts for Daisy_24:
(Start: 25 @18497 has 407 MA's), (Start: 34 @18527 has 1 MA's), (40, 18545), (45, 18557), (61, 18662), (81, 18785), (83, 18791), (85, 18800), (95, 18869), (106, 18926),

Gene: Daka_23 Start: 17809, Stop: 18327, Start Num: 25
Candidate Starts for Daka_23:
(23, 17755), (Start: 25 @17809 has 407 MA's), (35, 17842), (67, 17998), (68, 18004), (71, 18013), (81, 18079), (95, 18163), (111, 18265), (117, 18307),

Gene: Dati_23 Start: 17522, Stop: 18040, Start Num: 25
Candidate Starts for Dati_23:
(2, 16916), (6, 16967), (7, 17021), (9, 17036), (10, 17045), (16, 17162), (18, 17204), (20, 17249), (23, 17468), (Start: 25 @17522 has 407 MA's), (35, 17555), (67, 17711), (68, 17717), (71, 17726), (81, 17792), (95, 17876), (111, 17978), (117, 18020),

Gene: Deenasa_24 Start: 19239, Stop: 19760, Start Num: 25
Candidate Starts for Deenasa_24:
(Start: 25 @19239 has 407 MA's), (Start: 34 @19269 has 1 MA's), (61, 19404), (81, 19527), (83, 19533), (85, 19542), (95, 19611), (106, 19668),

Gene: DelRivs_22 Start: 17521, Stop: 18039, Start Num: 25
Candidate Starts for DelRivs_22:
(6, 16966), (7, 17020), (9, 17035), (10, 17044), (16, 17161), (18, 17203), (20, 17248), (23, 17467), (Start: 25 @17521 has 407 MA's), (35, 17554), (67, 17710), (68, 17716), (71, 17725), (81, 17791), (95, 17875), (111, 17977), (117, 18019),

Gene: Derpp_22 Start: 17368, Stop: 17886, Start Num: 25
Candidate Starts for Derpp_22:
(6, 16813), (7, 16867), (9, 16882), (10, 16891), (16, 17008), (18, 17050), (20, 17095), (23, 17314), (Start: 25 @17368 has 407 MA's), (35, 17401), (67, 17557), (68, 17563), (71, 17572), (81, 17638), (95, 17722), (111, 17824), (117, 17866),

Gene: Devonte_24 Start: 18476, Stop: 18997, Start Num: 25
Candidate Starts for Devonte_24:
(Start: 25 @18476 has 407 MA's), (Start: 34 @18506 has 1 MA's), (40, 18524), (45, 18536), (61, 18641), (81, 18764), (83, 18770), (85, 18779), (95, 18848), (106, 18905),

Gene: Dice_22 Start: 17509, Stop: 18027, Start Num: 25
Candidate Starts for Dice_22:
(6, 16954), (7, 17008), (9, 17023), (10, 17032), (16, 17149), (18, 17191), (20, 17236), (23, 17455), (Start: 25 @17509 has 407 MA's), (35, 17542), (67, 17698), (68, 17704), (71, 17713), (81, 17779), (95, 17863), (111, 17965), (117, 18007),

Gene: DigitDog_23 Start: 18144, Stop: 18635, Start Num: 25
Candidate Starts for DigitDog_23:
(23, 18090), (Start: 25 @18144 has 407 MA's), (38, 18177), (39, 18180), (42, 18189), (68, 18315), (81, 18393), (86, 18414), (87, 18426), (103, 18531), (113, 18597),

Gene: Dingo_23 Start: 17793, Stop: 18311, Start Num: 25
Candidate Starts for Dingo_23:

(23, 17739), (Start: 25 @17793 has 407 MA's), (35, 17826), (67, 17982), (68, 17988), (71, 17997), (81, 18063), (95, 18147), (111, 18249), (117, 18291),

Gene: Dione_22 Start: 17510, Stop: 18028, Start Num: 25
Candidate Starts for Dione_22:
(23, 17456), (Start: 25 @17510 has 407 MA's), (35, 17543), (67, 17699), (68, 17705), (71, 17714), (81, 17780), (95, 17864), (111, 17966), (117, 18008),

Gene: DirtJuice_23 Start: 17795, Stop: 18313, Start Num: 25
Candidate Starts for DirtJuice_23:
(23, 17741), (Start: 25 @17795 has 407 MA's), (35, 17828), (67, 17984), (68, 17990), (71, 17999), (81, 18065), (95, 18149), (111, 18251), (117, 18293),

Gene: Doddsville_23 Start: 17522, Stop: 18040, Start Num: 25
Candidate Starts for Doddsville_23:
(23, 17468), (Start: 25 @17522 has 407 MA's), (35, 17555), (67, 17711), (68, 17717), (71, 17726), (81, 17792), (95, 17876), (111, 17978), (117, 18020),

Gene: DoesntMatter_23 Start: 17791, Stop: 18309, Start Num: 25
Candidate Starts for DoesntMatter_23:
(6, 17236), (7, 17290), (9, 17305), (10, 17314), (16, 17431), (18, 17473), (20, 17518), (23, 17737), (Start: 25 @17791 has 407 MA's), (35, 17824), (67, 17980), (68, 17986), (71, 17995), (81, 18061), (95, 18145), (111, 18247), (117, 18289),

Gene: DolOn_24 Start: 18042, Stop: 18560, Start Num: 25
Candidate Starts for DolOn_24:
(23, 17988), (Start: 25 @18042 has 407 MA's), (35, 18075), (67, 18231), (68, 18237), (71, 18246), (81, 18312), (95, 18396), (111, 18498), (117, 18540),

Gene: DonSanchon_22 Start: 17508, Stop: 18026, Start Num: 25
Candidate Starts for DonSanchon_22:
(23, 17454), (Start: 25 @17508 has 407 MA's), (35, 17541), (67, 17697), (68, 17703), (71, 17712), (81, 17778), (95, 17862), (111, 17964), (117, 18006),

Gene: Donny_23 Start: 18559, Stop: 19050, Start Num: 25
Candidate Starts for Donny_23:
(23, 18505), (Start: 25 @18559 has 407 MA's), (39, 18595), (42, 18604), (54, 18646), (68, 18730), (81, 18808), (86, 18829), (87, 18841), (89, 18847), (113, 19012),

Gene: Dori_20 Start: 15428, Stop: 15976, Start Num: 24
Candidate Starts for Dori_20:
(21, 15245), (Start: 22 @15266 has 2 MA's), (23, 15377), (Start: 24 @15428 has 57 MA's), (Start: 27 @15431 has 11 MA's), (42, 15482), (48, 15512), (54, 15545), (57, 15572), (59, 15584), (64, 15614), (68, 15641), (78, 15725), (79, 15728), (86, 15755), (89, 15773), (117, 15956),

Gene: DuchessDung_21 Start: 16659, Stop: 17177, Start Num: 25
Candidate Starts for DuchessDung_21:
(23, 16605), (Start: 25 @16659 has 407 MA's), (35, 16692), (67, 16848), (68, 16854), (71, 16863), (81, 16929), (95, 17013), (111, 17115), (117, 17157),

Gene: Duggie_22 Start: 17524, Stop: 18042, Start Num: 25
Candidate Starts for Duggie_22:

(23, 17470), (Start: 25 @17524 has 407 MA's), (35, 17557), (67, 17713), (68, 17719), (71, 17728), (81, 17794), (95, 17878), (111, 17980), (117, 18022),

Gene: Durga_23 Start: 17821, Stop: 18339, Start Num: 25
Candidate Starts for Durga_23:
(2, 17215), (6, 17266), (7, 17320), (9, 17335), (10, 17344), (16, 17461), (18, 17503), (20, 17548), (23, 17767), (Start: 25 @17821 has 407 MA's), (35, 17854), (67, 18010), (68, 18016), (71, 18025), (81, 18091), (95, 18175), (111, 18277), (117, 18319),

Gene: Eaglehorse_25 Start: 19933, Stop: 20493, Start Num: 24
Candidate Starts for Eaglehorse_25:
(Start: 22 @19771 has 2 MA's), (Start: 24 @19933 has 57 MA's), (Start: 27 @19951 has 11 MA's), (28, 19954), (35, 19981), (39, 19993), (54, 20065), (63, 20122), (68, 20158), (73, 20209), (79, 20242), (103, 20389), (116, 20467),

Gene: EastView9101_22 Start: 18189, Stop: 18680, Start Num: 25
Candidate Starts for EastView9101_22:
(23, 18135), (Start: 25 @18189 has 407 MA's), (39, 18225), (42, 18234), (54, 18276), (68, 18360), (76, 18417), (81, 18438), (86, 18459), (87, 18471), (103, 18576), (113, 18642),

Gene: ElvisPhasley_23 Start: 17820, Stop: 18338, Start Num: 25
Candidate Starts for ElvisPhasley_23:
(2, 17214), (6, 17265), (7, 17319), (9, 17334), (10, 17343), (16, 17460), (18, 17502), (20, 17547), (23, 17766), (Start: 25 @17820 has 407 MA's), (35, 17853), (67, 18009), (68, 18015), (71, 18024), (81, 18090), (95, 18174), (111, 18276), (117, 18318),

Gene: EmGer13_22 Start: 17400, Stop: 17885, Start Num: 35
Candidate Starts for EmGer13_22:
(23, 17313), (Start: 25 @17367 has 407 MA's), (35, 17400), (67, 17556), (68, 17562), (71, 17571), (81, 17637), (95, 17721), (111, 17823), (117, 17865),

Gene: Emiris_23 Start: 17802, Stop: 18320, Start Num: 25
Candidate Starts for Emiris_23:
(23, 17748), (Start: 25 @17802 has 407 MA's), (35, 17835), (67, 17991), (68, 17997), (71, 18006), (81, 18072), (95, 18156), (111, 18258), (117, 18300),

Gene: EmpTee_23 Start: 17808, Stop: 18326, Start Num: 25
Candidate Starts for EmpTee_23:
(23, 17754), (Start: 25 @17808 has 407 MA's), (35, 17841), (67, 17997), (68, 18003), (71, 18012), (81, 18078), (95, 18162), (111, 18264), (117, 18306),

Gene: Epah_20 Start: 17403, Stop: 17933, Start Num: 25
Candidate Starts for Epah_20:
(8, 16914), (14, 16947), (Start: 22 @17235 has 2 MA's), (Start: 25 @17403 has 407 MA's), (32, 17433), (50, 17502), (68, 17607), (72, 17637), (74, 17655), (82, 17688), (84, 17694), (86, 17706), (88, 17721), (96, 17775), (108, 17853),

Gene: Eremos_23 Start: 17808, Stop: 18326, Start Num: 25
Candidate Starts for Eremos_23:
(23, 17754), (Start: 25 @17808 has 407 MA's), (35, 17841), (67, 17997), (68, 18003), (71, 18012), (81, 18078), (95, 18162), (111, 18264), (117, 18306),

Gene: Etaye_23 Start: 17794, Stop: 18312, Start Num: 25

Candidate Starts for Etaye_23:
(2, 17188), (6, 17239), (7, 17293), (9, 17308), (10, 17317), (16, 17434), (18, 17476), (20, 17521), (23, 17740), (Start: 25 @17794 has 407 MA's), (35, 17827), (67, 17983), (68, 17989), (71, 17998), (81, 18064), (95, 18148), (111, 18250), (117, 18292),

Gene: Eugenia_23 Start: 17821, Stop: 18339, Start Num: 25
Candidate Starts for Eugenia_23:
(6, 17266), (7, 17320), (9, 17335), (10, 17344), (16, 17461), (18, 17503), (20, 17548), (23, 17767), (Start: 25 @17821 has 407 MA's), (35, 17854), (67, 18010), (68, 18016), (71, 18025), (81, 18091), (95, 18175), (111, 18277), (117, 18319),

Gene: Evaa_21 Start: 17590, Stop: 18126, Start Num: 24
Candidate Starts for Evaa_21:
(21, 17407), (Start: 22 @17425 has 2 MA's), (23, 17539), (Start: 24 @17590 has 57 MA's), (37, 17641), (39, 17647), (42, 17656), (86, 17899), (114, 18091), (117, 18106), (119, 18115),

Gene: Fanaw_20 Start: 18097, Stop: 18627, Start Num: 25
Candidate Starts for Fanaw_20:
(Start: 22 @17929 has 2 MA's), (Start: 25 @18097 has 407 MA's), (32, 18127), (50, 18196), (68, 18301), (72, 18331), (74, 18349), (82, 18382), (84, 18388), (86, 18400), (88, 18415), (96, 18469), (100, 18499), (108, 18547),

Gene: Fang_23 Start: 17822, Stop: 18340, Start Num: 25
Candidate Starts for Fang_23:
(23, 17768), (Start: 25 @17822 has 407 MA's), (35, 17855), (67, 18011), (68, 18017), (71, 18026), (81, 18092), (95, 18176), (111, 18278), (117, 18320),

Gene: Faze9_25 Start: 20029, Stop: 20589, Start Num: 24
Candidate Starts for Faze9_25:
(Start: 22 @19867 has 2 MA's), (Start: 24 @20029 has 57 MA's), (Start: 27 @20047 has 11 MA's), (28, 20050), (35, 20077), (39, 20089), (54, 20161), (63, 20218), (68, 20254), (73, 20305), (79, 20338), (103, 20485), (116, 20563),

Gene: FelixTres_22 Start: 17719, Stop: 18258, Start Num: 24
Candidate Starts for FelixTres_22:
(23, 17668), (Start: 24 @17719 has 57 MA's), (42, 17785), (71, 17941), (78, 18001), (81, 18010), (86, 18031), (100, 18130), (104, 18151), (113, 18220), (115, 18229),

Gene: Flake_23 Start: 17824, Stop: 18342, Start Num: 25
Candidate Starts for Flake_23:
(2, 17218), (6, 17269), (7, 17323), (9, 17338), (10, 17347), (16, 17464), (18, 17506), (20, 17551), (23, 17770), (Start: 25 @17824 has 407 MA's), (35, 17857), (67, 18013), (68, 18019), (71, 18028), (81, 18094), (95, 18178), (111, 18280), (117, 18322),

Gene: FleetyMac_23 Start: 17807, Stop: 18325, Start Num: 25
Candidate Starts for FleetyMac_23:
(6, 17252), (7, 17306), (9, 17321), (10, 17330), (16, 17447), (18, 17489), (20, 17534), (23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95, 18161), (111, 18263), (117, 18305),

Gene: FluffyNinja_23 Start: 17814, Stop: 18332, Start Num: 25
Candidate Starts for FluffyNinja_23:

(6, 17259), (7, 17313), (9, 17328), (10, 17337), (16, 17454), (18, 17496), (20, 17541), (23, 17760), (Start: 25 @17814 has 407 MA's), (35, 17847), (67, 18003), (68, 18009), (71, 18018), (81, 18084), (95, 18168), (111, 18270), (117, 18312),

Gene: ForDig_19 Start: 16967, Stop: 17515, Start Num: 24
Candidate Starts for ForDig_19:
(Start: 22 @16802 has 2 MA's), (23, 16916), (Start: 24 @16967 has 57 MA's), (32, 17000), (38, 17018), (42, 17030), (45, 17036), (68, 17183), (71, 17192), (81, 17261), (82, 17264), (86, 17282), (88, 17297), (96, 17363), (97, 17369), (117, 17495),

Gene: Fortunato_21 Start: 18261, Stop: 18959, Start Num: 22
Candidate Starts for Fortunato_21:
(Start: 22 @18261 has 2 MA's), (Start: 25 @18429 has 407 MA's), (32, 18459), (50, 18528), (68, 18633), (72, 18663), (74, 18681), (82, 18714), (84, 18720), (86, 18732), (88, 18747), (96, 18801), (100, 18831), (108, 18879),

Gene: Fozzie_22 Start: 17817, Stop: 18335, Start Num: 25
Candidate Starts for Fozzie_22:
(23, 17763), (Start: 25 @17817 has 407 MA's), (35, 17850), (67, 18006), (68, 18012), (71, 18021), (81, 18087), (95, 18171), (111, 18273), (117, 18315),

Gene: Frankicide_23 Start: 17808, Stop: 18326, Start Num: 25
Candidate Starts for Frankicide_23:
(23, 17754), (Start: 25 @17808 has 407 MA's), (35, 17841), (67, 17997), (68, 18003), (71, 18012), (81, 18078), (95, 18162), (111, 18264), (117, 18306),

Gene: Frederick_21 Start: 18438, Stop: 18968, Start Num: 25
Candidate Starts for Frederick_21:
(Start: 22 @18270 has 2 MA's), (Start: 25 @18438 has 407 MA's), (32, 18468), (50, 18537), (68, 18642), (72, 18672), (74, 18690), (82, 18723), (84, 18729), (86, 18741), (88, 18756), (96, 18810), (100, 18840), (108, 18888),

Gene: FremontTroll_22 Start: 17505, Stop: 18023, Start Num: 25
Candidate Starts for FremontTroll_22:
(6, 16950), (7, 17004), (9, 17019), (10, 17028), (16, 17145), (18, 17187), (20, 17232), (23, 17451), (Start: 25 @17505 has 407 MA's), (35, 17538), (67, 17694), (68, 17700), (71, 17709), (81, 17775), (95, 17859), (111, 17961), (117, 18003),

Gene: FrenchFry_25 Start: 20032, Stop: 20592, Start Num: 24
Candidate Starts for FrenchFry_25:
(Start: 22 @19870 has 2 MA's), (Start: 24 @20032 has 57 MA's), (Start: 27 @20050 has 11 MA's), (28, 20053), (35, 20080), (39, 20092), (54, 20164), (63, 20221), (68, 20257), (73, 20308), (79, 20341), (103, 20488), (116, 20566),

Gene: Fresco_20 Start: 16345, Stop: 16893, Start Num: 25
Candidate Starts for Fresco_20:
(20, 16072), (21, 16159), (Start: 22 @16177 has 2 MA's), (23, 16291), (Start: 25 @16345 has 407 MA's), (28, 16363), (42, 16411), (81, 16636), (86, 16657), (88, 16672), (113, 16852), (115, 16861),

Gene: Freya_22 Start: 17503, Stop: 18021, Start Num: 25
Candidate Starts for Freya_22:
(23, 17449), (Start: 25 @17503 has 407 MA's), (35, 17536), (67, 17692), (68, 17698), (71, 17707), (81, 17773), (95, 17857), (111, 17959), (117, 18001),

Gene: FriarPreacher_23 Start: 17828, Stop: 18346, Start Num: 25
Candidate Starts for FriarPreacher_23:
(23, 17774), (Start: 25 @17828 has 407 MA's), (35, 17861), (67, 18017), (68, 18023), (71, 18032), (81, 18098), (95, 18182), (111, 18284), (117, 18326),

Gene: Fringe_23 Start: 17792, Stop: 18310, Start Num: 25
Candidate Starts for Fringe_23:
(6, 17237), (7, 17291), (9, 17306), (10, 17315), (16, 17432), (18, 17474), (20, 17519), (23, 17738), (Start: 25 @17792 has 407 MA's), (35, 17825), (67, 17981), (68, 17987), (71, 17996), (81, 18062), (95, 18146), (111, 18248), (117, 18290),

Gene: FugateOSU_22 Start: 17514, Stop: 18032, Start Num: 25
Candidate Starts for FugateOSU_22:
(23, 17460), (Start: 25 @17514 has 407 MA's), (35, 17547), (67, 17703), (68, 17709), (71, 17718), (81, 17784), (95, 17868), (111, 17970), (117, 18012),

Gene: Funsized_26 Start: 20899, Stop: 21408, Start Num: 25
Candidate Starts for Funsized_26:
(23, 20845), (Start: 25 @20899 has 407 MA's), (29, 20911), (38, 20941), (39, 20944), (52, 20995), (66, 21070), (68, 21082), (70, 21088), (89, 21199), (96, 21250), (101, 21286), (102, 21289), (113, 21370),

Gene: Gadjet_25 Start: 18480, Stop: 19004, Start Num: 25
Candidate Starts for Gadjet_25:
(Start: 25 @18480 has 407 MA's), (Start: 34 @18513 has 1 MA's), (40, 18531), (61, 18648), (81, 18771), (83, 18777), (85, 18786), (95, 18855), (106, 18912),

Gene: Gareth_22 Start: 17511, Stop: 18029, Start Num: 25
Candidate Starts for Gareth_22:
(23, 17457), (Start: 25 @17511 has 407 MA's), (35, 17544), (67, 17700), (68, 17706), (71, 17715), (81, 17781), (95, 17865), (111, 17967), (117, 18009),

Gene: GeneCoco_23 Start: 17813, Stop: 18331, Start Num: 25
Candidate Starts for GeneCoco_23:
(2, 17207), (6, 17258), (7, 17312), (9, 17327), (10, 17336), (16, 17453), (18, 17495), (20, 17540), (23, 17759), (Start: 25 @17813 has 407 MA's), (35, 17846), (67, 18002), (68, 18008), (71, 18017), (81, 18083), (95, 18167), (111, 18269), (117, 18311),

Gene: Gervas_24 Start: 18457, Stop: 18978, Start Num: 25
Candidate Starts for Gervas_24:
(Start: 25 @18457 has 407 MA's), (Start: 34 @18487 has 1 MA's), (40, 18505), (61, 18622), (81, 18745), (83, 18751), (85, 18760), (95, 18829), (106, 18886),

Gene: GinPorsche_20 Start: 17403, Stop: 17933, Start Num: 25
Candidate Starts for GinPorsche_20:
(8, 16914), (14, 16947), (Start: 22 @17235 has 2 MA's), (Start: 25 @17403 has 407 MA's), (32, 17433), (50, 17502), (68, 17607), (72, 17637), (74, 17655), (82, 17688), (84, 17694), (86, 17706), (88, 17721), (96, 17775), (108, 17853),

Gene: Giraffe_23 Start: 17516, Stop: 18034, Start Num: 25
Candidate Starts for Giraffe_23:
(23, 17462), (Start: 25 @17516 has 407 MA's), (35, 17549), (67, 17705), (68, 17711), (71, 17720), (81, 17786), (95, 17870), (111, 17972), (117, 18014),

Gene: Glass_25 Start: 20032, Stop: 20592, Start Num: 24
Candidate Starts for Glass_25:
(Start: 22 @19870 has 2 MA's), (Start: 24 @20032 has 57 MA's), (Start: 27 @20050 has 11 MA's), (28, 20053), (35, 20080), (39, 20092), (54, 20164), (63, 20221), (68, 20257), (73, 20308), (79, 20341), (103, 20488), (116, 20566),

Gene: GlenHope_25 Start: 18466, Stop: 18987, Start Num: 25
Candidate Starts for GlenHope_25:
(Start: 25 @18466 has 407 MA's), (Start: 34 @18496 has 1 MA's), (40, 18514), (61, 18631), (81, 18754), (83, 18760), (85, 18769), (95, 18838), (106, 18895),

Gene: Glubnar_25 Start: 18511, Stop: 19002, Start Num: 34
Candidate Starts for Glubnar_25:
(Start: 25 @18481 has 407 MA's), (Start: 34 @18511 has 1 MA's), (40, 18529), (45, 18541), (61, 18646), (81, 18769), (83, 18775), (85, 18784), (95, 18853), (106, 18910),

Gene: GodPhather_18 Start: 17544, Stop: 18065, Start Num: 27
Candidate Starts for GodPhather_18:
(23, 17490), (Start: 27 @17544 has 11 MA's), (32, 17565), (42, 17595), (53, 17652), (54, 17658), (60, 17697), (68, 17730), (74, 17784), (75, 17790), (77, 17805), (86, 17844), (89, 17862), (109, 17991), (110, 18000), (112, 18009), (117, 18045),

Gene: Godines_25 Start: 19925, Stop: 20485, Start Num: 24
Candidate Starts for Godines_25:
(Start: 22 @19763 has 2 MA's), (Start: 24 @19925 has 57 MA's), (Start: 27 @19943 has 11 MA's), (28, 19946), (35, 19973), (39, 19985), (54, 20057), (63, 20114), (68, 20150), (73, 20201), (79, 20234), (103, 20381), (116, 20459),

Gene: Gophee_23 Start: 17794, Stop: 18312, Start Num: 25
Candidate Starts for Gophee_23:
(6, 17239), (7, 17293), (9, 17308), (10, 17317), (16, 17434), (18, 17476), (20, 17521), (23, 17740), (Start: 25 @17794 has 407 MA's), (35, 17827), (67, 17983), (68, 17989), (71, 17998), (81, 18064), (95, 18148), (111, 18250), (117, 18292),

Gene: Grand2040_22 Start: 17531, Stop: 18049, Start Num: 25
Candidate Starts for Grand2040_22:
(23, 17477), (Start: 25 @17531 has 407 MA's), (35, 17564), (67, 17720), (68, 17726), (71, 17735), (81, 17801), (95, 17885), (111, 17987), (117, 18029),

Gene: GreenChile_23 Start: 17808, Stop: 18326, Start Num: 25
Candidate Starts for GreenChile_23:
(23, 17754), (Start: 25 @17808 has 407 MA's), (35, 17841), (67, 17997), (68, 18003), (71, 18012), (81, 18078), (95, 18162), (111, 18264), (117, 18306),

Gene: Gwennie1_23 Start: 17833, Stop: 18351, Start Num: 25
Candidate Starts for Gwennie1_23:
(2, 17227), (6, 17278), (7, 17332), (9, 17347), (10, 17356), (16, 17473), (18, 17515), (20, 17560), (23, 17779), (Start: 25 @17833 has 407 MA's), (35, 17866), (67, 18022), (68, 18028), (71, 18037), (81, 18103), (95, 18187), (111, 18289), (117, 18331),

Gene: Gwilliam_23 Start: 17804, Stop: 18322, Start Num: 25
Candidate Starts for Gwilliam_23:

(23, 17750), (Start: 25 @17804 has 407 MA's), (35, 17837), (67, 17993), (68, 17999), (71, 18008), (81, 18074), (95, 18158), (111, 18260), (117, 18302),

Gene: Gyarad_0023 Start: 17806, Stop: 18324, Start Num: 25
Candidate Starts for Gyarad_0023:
(23, 17752), (Start: 25 @17806 has 407 MA's), (35, 17839), (67, 17995), (68, 18001), (71, 18010), (81, 18076), (95, 18160), (111, 18262), (117, 18304),

Gene: HSavage_23 Start: 17814, Stop: 18332, Start Num: 25
Candidate Starts for HSavage_23:
(23, 17760), (Start: 25 @17814 has 407 MA's), (35, 17847), (67, 18003), (68, 18009), (71, 18018), (81, 18084), (95, 18168), (111, 18270), (117, 18312),

Gene: Haimas_23 Start: 17809, Stop: 18327, Start Num: 25
Candidate Starts for Haimas_23:
(6, 17254), (7, 17308), (9, 17323), (10, 17332), (16, 17449), (18, 17491), (20, 17536), (23, 17755), (Start: 25 @17809 has 407 MA's), (35, 17842), (67, 17998), (68, 18004), (71, 18013), (81, 18079), (95, 18163), (111, 18265), (117, 18307),

Gene: Haleema_22 Start: 17531, Stop: 18049, Start Num: 25
Candidate Starts for Haleema_22:
(6, 16976), (7, 17030), (9, 17045), (10, 17054), (16, 17171), (18, 17213), (20, 17258), (23, 17477), (Start: 25 @17531 has 407 MA's), (35, 17564), (67, 17720), (68, 17726), (71, 17735), (81, 17801), (95, 17885), (111, 17987), (117, 18029),

Gene: Halfpint_23 Start: 18301, Stop: 18822, Start Num: 25
Candidate Starts for Halfpint_23:
(Start: 25 @18301 has 407 MA's), (Start: 34 @18331 has 1 MA's), (40, 18349), (45, 18361), (61, 18466), (81, 18589), (83, 18595), (85, 18604), (95, 18673), (106, 18730),

Gene: Hally898_20 Start: 17403, Stop: 17933, Start Num: 25
Candidate Starts for Hally898_20:
(8, 16914), (14, 16947), (Start: 22 @17235 has 2 MA's), (Start: 25 @17403 has 407 MA's), (32, 17433), (50, 17502), (68, 17607), (72, 17637), (74, 17655), (82, 17688), (84, 17694), (86, 17706), (88, 17721), (96, 17775), (108, 17853),

Gene: Hamish_23 Start: 17801, Stop: 18319, Start Num: 25
Candidate Starts for Hamish_23:
(6, 17246), (7, 17300), (9, 17315), (10, 17324), (16, 17441), (18, 17483), (20, 17528), (23, 17747), (Start: 25 @17801 has 407 MA's), (35, 17834), (67, 17990), (68, 17996), (71, 18005), (81, 18071), (95, 18155), (111, 18257), (117, 18299),

Gene: Hangman_21 Start: 18436, Stop: 18966, Start Num: 25
Candidate Starts for Hangman_21:
(Start: 22 @18268 has 2 MA's), (Start: 25 @18436 has 407 MA's), (32, 18466), (50, 18535), (68, 18640), (72, 18670), (74, 18688), (82, 18721), (84, 18727), (86, 18739), (88, 18754), (96, 18808), (108, 18886),

Gene: Happabalu_23 Start: 17503, Stop: 18021, Start Num: 25
Candidate Starts for Happabalu_23:
(6, 16948), (7, 17002), (9, 17017), (10, 17026), (16, 17143), (18, 17185), (20, 17230), (23, 17449), (Start: 25 @17503 has 407 MA's), (35, 17536), (67, 17692), (68, 17698), (71, 17707), (81, 17773), (95, 17857), (111, 17959), (117, 18001),

Gene: Hartsy_23 Start: 17804, Stop: 18322, Start Num: 25
Candidate Starts for Hartsy_23:
(2, 17198), (6, 17249), (7, 17303), (9, 17318), (10, 17327), (16, 17444), (18, 17486), (20, 17531), (23, 17750), (Start: 25 @17804 has 407 MA's), (35, 17837), (67, 17993), (68, 17999), (71, 18008), (81, 18074), (95, 18158), (111, 18260), (117, 18302),

Gene: Harvey_23 Start: 17830, Stop: 18348, Start Num: 25
Candidate Starts for Harvey_23:
(23, 17776), (Start: 25 @17830 has 407 MA's), (35, 17863), (67, 18019), (68, 18025), (71, 18034), (81, 18100), (95, 18184), (111, 18286), (117, 18328),

Gene: HarveySr_24 Start: 18453, Stop: 18977, Start Num: 25
Candidate Starts for HarveySr_24:
(Start: 25 @18453 has 407 MA's), (Start: 34 @18486 has 1 MA's), (40, 18504), (45, 18516), (61, 18621), (81, 18744), (83, 18750), (85, 18759), (95, 18828), (106, 18885),

Gene: Hashim76_27 Start: 18297, Stop: 18815, Start Num: 25
Candidate Starts for Hashim76_27:
(Start: 22 @18129 has 2 MA's), (Start: 25 @18297 has 407 MA's), (38, 18339), (52, 18402), (54, 18411), (71, 18498), (82, 18570), (85, 18582), (88, 18603),

Gene: Heath_20 Start: 18067, Stop: 18597, Start Num: 25
Candidate Starts for Heath_20:
(Start: 22 @17899 has 2 MA's), (Start: 25 @18067 has 407 MA's), (32, 18097), (50, 18166), (68, 18271), (72, 18301), (74, 18319), (82, 18352), (84, 18358), (86, 18370), (88, 18385), (96, 18439), (108, 18517),

Gene: Heathcliff_24 Start: 18438, Stop: 18959, Start Num: 25
Candidate Starts for Heathcliff_24:
(Start: 25 @18438 has 407 MA's), (Start: 34 @18468 has 1 MA's), (40, 18486), (45, 18498), (61, 18603), (81, 18726), (83, 18732), (85, 18741), (95, 18810), (106, 18867),

Gene: Hedgerow_25 Start: 20014, Stop: 20574, Start Num: 24
Candidate Starts for Hedgerow_25:
(Start: 22 @19852 has 2 MA's), (Start: 24 @20014 has 57 MA's), (Start: 27 @20032 has 11 MA's), (28, 20035), (35, 20062), (39, 20074), (54, 20146), (63, 20203), (68, 20239), (73, 20290), (79, 20323), (103, 20470), (116, 20548),

Gene: Hekos_20 Start: 16359, Stop: 16877, Start Num: 25
Candidate Starts for Hekos_20:
(23, 16305), (Start: 25 @16359 has 407 MA's), (35, 16392), (67, 16548), (68, 16554), (71, 16563), (81, 16629), (95, 16713), (111, 16815), (117, 16857),

Gene: Held_23 Start: 17515, Stop: 18033, Start Num: 25
Candidate Starts for Held_23:
(23, 17461), (Start: 25 @17515 has 407 MA's), (35, 17548), (67, 17704), (68, 17710), (71, 17719), (81, 17785), (95, 17869), (111, 17971), (117, 18013),

Gene: HenryJackson_22 Start: 17531, Stop: 18049, Start Num: 25
Candidate Starts for HenryJackson_22:
(23, 17477), (Start: 25 @17531 has 407 MA's), (35, 17564), (67, 17720), (68, 17726), (71, 17735), (81, 17801), (95, 17885), (111, 17987), (117, 18029),

Gene: Hertubise_23 Start: 17823, Stop: 18341, Start Num: 25
Candidate Starts for Hertubise_23:
(6, 17268), (7, 17322), (9, 17337), (10, 17346), (16, 17463), (18, 17505), (20, 17550), (23, 17769), (Start: 25 @17823 has 407 MA's), (35, 17856), (67, 18012), (68, 18018), (71, 18027), (81, 18093), (95, 18177), (111, 18279), (117, 18321),

Gene: Hetaeria_23 Start: 17824, Stop: 18342, Start Num: 25
Candidate Starts for Hetaeria_23:
(23, 17770), (Start: 25 @17824 has 407 MA's), (35, 17857), (67, 18013), (68, 18019), (71, 18028), (81, 18094), (95, 18178), (111, 18280), (117, 18322),

Gene: HighStump_22 Start: 17514, Stop: 18032, Start Num: 25
Candidate Starts for HighStump_22:
(23, 17460), (Start: 25 @17514 has 407 MA's), (35, 17547), (67, 17703), (68, 17709), (71, 17718), (81, 17784), (95, 17868), (111, 17970), (117, 18012),

Gene: Hocus_22 Start: 17517, Stop: 18035, Start Num: 25
Candidate Starts for Hocus_22:
(23, 17463), (Start: 25 @17517 has 407 MA's), (35, 17550), (67, 17706), (68, 17712), (71, 17721), (81, 17787), (95, 17871), (111, 17973), (117, 18015),

Gene: HogWash_22 Start: 17811, Stop: 18329, Start Num: 25
Candidate Starts for HogWash_22:
(2, 17205), (6, 17256), (7, 17310), (9, 17325), (10, 17334), (16, 17451), (18, 17493), (20, 17538), (23, 17757), (Start: 25 @17811 has 407 MA's), (35, 17844), (67, 18000), (68, 18006), (71, 18015), (81, 18081), (95, 18165), (111, 18267), (117, 18309),

Gene: Holeinone_25 Start: 19910, Stop: 20470, Start Num: 24
Candidate Starts for Holeinone_25:
(Start: 22 @19748 has 2 MA's), (Start: 24 @19910 has 57 MA's), (Start: 27 @19928 has 11 MA's), (28, 19931), (35, 19958), (39, 19970), (54, 20042), (63, 20099), (68, 20135), (73, 20186), (79, 20219), (103, 20366), (116, 20444),

Gene: Horchata_23 Start: 17793, Stop: 18311, Start Num: 25
Candidate Starts for Horchata_23:
(23, 17739), (Start: 25 @17793 has 407 MA's), (35, 17826), (67, 17982), (68, 17988), (71, 17997), (81, 18063), (95, 18147), (111, 18249), (117, 18291),

Gene: Hosp_017 Start: 15179, Stop: 15727, Start Num: 24
Candidate Starts for Hosp_017:
(Start: 22 @15014 has 2 MA's), (23, 15128), (Start: 24 @15179 has 57 MA's), (32, 15212), (38, 15230), (42, 15242), (45, 15248), (68, 15395), (71, 15404), (81, 15473), (82, 15476), (86, 15494), (88, 15509), (96, 15575), (117, 15707),

Gene: Hydro_21 Start: 18435, Stop: 18965, Start Num: 25
Candidate Starts for Hydro_21:
(Start: 25 @18435 has 407 MA's), (32, 18465), (50, 18534), (68, 18639), (72, 18669), (74, 18687), (82, 18720), (84, 18726), (86, 18738), (96, 18807), (108, 18885),

Gene: ImtiyazSitla_22 Start: 17358, Stop: 17876, Start Num: 25
Candidate Starts for ImtiyazSitla_22:

(23, 17304), (Start: 25 @17358 has 407 MA's), (35, 17391), (67, 17547), (68, 17553), (71, 17562), (81, 17628), (95, 17712), (111, 17814), (117, 17856),

Gene: Imvubu_17 Start: 15573, Stop: 16082, Start Num: 25
Candidate Starts for Imvubu_17:
(20, 15297), (23, 15519), (Start: 25 @15573 has 407 MA's), (29, 15585), (38, 15615), (39, 15618), (51, 15660), (54, 15678), (66, 15744), (68, 15756), (82, 15837), (86, 15855), (89, 15873), (96, 15924), (101, 15960), (110, 16017), (113, 16044), (117, 16062),

Gene: Inchworm_23 Start: 17800, Stop: 18318, Start Num: 25
Candidate Starts for Inchworm_23:
(6, 17245), (7, 17299), (9, 17314), (10, 17323), (16, 17440), (18, 17482), (20, 17527), (23, 17746), (Start: 25 @17800 has 407 MA's), (35, 17833), (67, 17989), (68, 17995), (71, 18004), (81, 18070), (95, 18154), (111, 18256), (117, 18298),

Gene: Indlovu_21 Start: 18170, Stop: 18697, Start Num: 25
Candidate Starts for Indlovu_21:
(23, 18116), (Start: 25 @18170 has 407 MA's), (67, 18359), (70, 18371), (92, 18500), (97, 18545), (101, 18575), (113, 18659), (117, 18677),

Gene: Inverness_23 Start: 17814, Stop: 18332, Start Num: 25
Candidate Starts for Inverness_23:
(23, 17760), (Start: 25 @17814 has 407 MA's), (35, 17847), (67, 18003), (68, 18009), (71, 18018), (81, 18084), (95, 18168), (111, 18270), (117, 18312),

Gene: Iridessa_23 Start: 17483, Stop: 18001, Start Num: 25
Candidate Starts for Iridessa_23:
(6, 16928), (7, 16982), (9, 16997), (10, 17006), (16, 17123), (18, 17165), (20, 17210), (23, 17429), (Start: 25 @17483 has 407 MA's), (35, 17516), (67, 17672), (68, 17678), (71, 17687), (81, 17753), (95, 17837), (111, 17939), (117, 17981),

Gene: Iridoclysis_23 Start: 17788, Stop: 18306, Start Num: 25
Candidate Starts for Iridoclysis_23:
(6, 17233), (7, 17287), (9, 17302), (10, 17311), (16, 17428), (18, 17470), (20, 17515), (23, 17734), (Start: 25 @17788 has 407 MA's), (35, 17821), (67, 17977), (68, 17983), (71, 17992), (81, 18058), (95, 18142), (111, 18244), (117, 18286),

Gene: IsaacEli_23 Start: 17818, Stop: 18336, Start Num: 25
Candidate Starts for IsaacEli_23:
(6, 17263), (7, 17317), (9, 17332), (10, 17341), (16, 17458), (18, 17500), (20, 17545), (23, 17764), (Start: 25 @17818 has 407 MA's), (35, 17851), (67, 18007), (68, 18013), (71, 18022), (81, 18088), (95, 18172), (111, 18274), (117, 18316),

Gene: ItsyBitsy1_25 Start: 19903, Stop: 20463, Start Num: 24
Candidate Starts for ItsyBitsy1_25:
(Start: 22 @19741 has 2 MA's), (Start: 24 @19903 has 57 MA's), (Start: 27 @19921 has 11 MA's), (28, 19924), (35, 19951), (39, 19963), (54, 20035), (63, 20092), (68, 20128), (73, 20179), (79, 20212), (103, 20359), (116, 20437),

Gene: JAMaL_21 Start: 18616, Stop: 19146, Start Num: 25
Candidate Starts for JAMaL_21:
(Start: 25 @18616 has 407 MA's), (32, 18646), (38, 18664), (50, 18715), (67, 18814), (68, 18820), (74, 18868), (81, 18898), (82, 18901), (84, 18907), (86, 18919), (88, 18934), (96, 18988), (98, 19006), (108,

19066),

Gene: JDog_22 Start: 17524, Stop: 18042, Start Num: 25
Candidate Starts for JDog_22:
(23, 17470), (Start: 25 @17524 has 407 MA's), (35, 17557), (67, 17713), (68, 17719), (71, 17728), (81, 17794), (95, 17878), (111, 17980), (117, 18022),

Gene: JacAttac_23 Start: 17800, Stop: 18318, Start Num: 25
Candidate Starts for JacAttac_23:
(6, 17245), (7, 17299), (9, 17314), (10, 17323), (16, 17440), (18, 17482), (20, 17527), (23, 17746), (Start: 25 @17800 has 407 MA's), (35, 17833), (67, 17989), (68, 17995), (71, 18004), (81, 18070), (95, 18154), (111, 18256), (117, 18298),

Gene: Jackstina_22 Start: 18402, Stop: 18923, Start Num: 25
Candidate Starts for Jackstina_22:
(Start: 25 @18402 has 407 MA's), (Start: 34 @18432 has 1 MA's), (40, 18450), (45, 18462), (61, 18567), (81, 18690), (83, 18696), (85, 18705), (95, 18774), (106, 18831),

Gene: JaguarMi_21 Start: 17897, Stop: 18427, Start Num: 25
Candidate Starts for JaguarMi_21:
(8, 17408), (Start: 22 @17729 has 2 MA's), (Start: 25 @17897 has 407 MA's), (32, 17927), (50, 17996), (72, 18131), (74, 18149), (82, 18182), (84, 18188), (86, 18200), (88, 18215), (96, 18269), (108, 18347),

Gene: JakeO_22 Start: 17524, Stop: 18042, Start Num: 25
Candidate Starts for JakeO_22:
(23, 17470), (Start: 25 @17524 has 407 MA's), (35, 17557), (67, 17713), (68, 17719), (71, 17728), (81, 17794), (95, 17878), (111, 17980), (117, 18022),

Gene: JangoPhett_23 Start: 17798, Stop: 18316, Start Num: 25
Candidate Starts for JangoPhett_23:
(6, 17243), (7, 17297), (9, 17312), (10, 17321), (16, 17438), (18, 17480), (20, 17525), (23, 17744), (Start: 25 @17798 has 407 MA's), (35, 17831), (67, 17987), (68, 17993), (71, 18002), (81, 18068), (95, 18152), (111, 18254), (117, 18296),

Gene: Jbug01_23 Start: 17387, Stop: 17905, Start Num: 25
Candidate Starts for Jbug01_23:
(2, 16781), (6, 16832), (7, 16886), (9, 16901), (10, 16910), (16, 17027), (18, 17069), (20, 17114), (23, 17333), (Start: 25 @17387 has 407 MA's), (35, 17420), (67, 17576), (68, 17582), (71, 17591), (81, 17657), (95, 17741), (111, 17843), (117, 17885),

Gene: JellyBelly_20 Start: 16236, Stop: 16784, Start Num: 24
Candidate Starts for JellyBelly_20:
(23, 16185), (Start: 24 @16236 has 57 MA's), (42, 16302), (80, 16524), (86, 16548), (88, 16563), (100, 16647), (115, 16752),

Gene: Jeon_17 Start: 17286, Stop: 17807, Start Num: 27
Candidate Starts for Jeon_17:
(23, 17232), (Start: 27 @17286 has 11 MA's), (32, 17307), (42, 17337), (53, 17394), (54, 17400), (60, 17439), (68, 17472), (74, 17526), (75, 17532), (77, 17547), (86, 17586), (89, 17604), (109, 17733), (110, 17742), (112, 17751), (117, 17787),

Gene: Jesabah_23 Start: 17526, Stop: 18044, Start Num: 25
Candidate Starts for Jesabah_23:

(6, 16971), (7, 17025), (9, 17040), (10, 17049), (16, 17166), (18, 17208), (20, 17253), (23, 17472), (Start: 25 @17526 has 407 MA's), (35, 17559), (67, 17715), (68, 17721), (71, 17730), (81, 17796), (95, 17880), (111, 17982), (117, 18024),

Gene: Jillium_22 Start: 17524, Stop: 18042, Start Num: 25
Candidate Starts for Jillium_22:
(6, 16969), (7, 17023), (9, 17038), (10, 17047), (16, 17164), (18, 17206), (20, 17251), (23, 17470), (Start: 25 @17524 has 407 MA's), (35, 17557), (67, 17713), (68, 17719), (71, 17728), (81, 17794), (95, 17878), (111, 17980), (117, 18022),

Gene: Jiminy_22 Start: 17362, Stop: 17880, Start Num: 25
Candidate Starts for Jiminy_22:
(23, 17308), (Start: 25 @17362 has 407 MA's), (35, 17395), (67, 17551), (68, 17557), (71, 17566), (81, 17632), (95, 17716), (111, 17818), (117, 17860),

Gene: Jiraiya_22 Start: 17522, Stop: 18040, Start Num: 25
Candidate Starts for Jiraiya_22:
(23, 17468), (Start: 25 @17522 has 407 MA's), (35, 17555), (67, 17711), (68, 17717), (71, 17726), (81, 17792), (95, 17876), (111, 17978), (117, 18020),

Gene: JohnLord_20 Start: 15133, Stop: 15681, Start Num: 24
Candidate Starts for JohnLord_20:
(21, 14950), (Start: 22 @14971 has 2 MA's), (23, 15082), (Start: 24 @15133 has 57 MA's), (Start: 27 @15136 has 11 MA's), (42, 15187), (48, 15217), (54, 15250), (59, 15289), (64, 15319), (68, 15346), (78, 15430), (79, 15433), (86, 15460), (89, 15478), (117, 15661),

Gene: Jolie1_019 Start: 16953, Stop: 17501, Start Num: 24
Candidate Starts for Jolie1_019:
(23, 16902), (Start: 24 @16953 has 57 MA's), (32, 16986), (38, 17004), (42, 17016), (45, 17022), (68, 17169), (71, 17178), (81, 17247), (82, 17250), (86, 17268), (88, 17283), (96, 17349), (97, 17355), (117, 17481),

Gene: JoyceMaria_21 Start: 18436, Stop: 18966, Start Num: 25
Candidate Starts for JoyceMaria_21:
(Start: 22 @18268 has 2 MA's), (Start: 25 @18436 has 407 MA's), (32, 18466), (47, 18523), (50, 18535), (68, 18640), (72, 18670), (74, 18688), (82, 18721), (84, 18727), (86, 18739), (88, 18754), (96, 18808), (108, 18886),

Gene: KLucky39_23 Start: 17806, Stop: 18324, Start Num: 25
Candidate Starts for KLucky39_23:
(23, 17752), (Start: 25 @17806 has 407 MA's), (35, 17839), (67, 17995), (68, 18001), (71, 18010), (81, 18076), (95, 18160), (111, 18262), (117, 18304),

Gene: Kahve_22 Start: 17528, Stop: 18046, Start Num: 25
Candidate Starts for Kahve_22:
(23, 17474), (Start: 25 @17528 has 407 MA's), (35, 17561), (67, 17717), (68, 17723), (71, 17732), (81, 17798), (95, 17882), (111, 17984), (117, 18026),

Gene: Kailash_23 Start: 17816, Stop: 18334, Start Num: 25
Candidate Starts for Kailash_23:
(2, 17210), (6, 17261), (7, 17315), (9, 17330), (10, 17339), (16, 17456), (18, 17498), (20, 17543), (23, 17762), (Start: 25 @17816 has 407 MA's), (35, 17849), (67, 18005), (68, 18011), (71, 18020), (81, 18086), (95, 18170), (111, 18272), (117, 18314),

Gene: Kaleb_25 Start: 20029, Stop: 20589, Start Num: 24
Candidate Starts for Kaleb_25:
(Start: 22 @19867 has 2 MA's), (Start: 24 @20029 has 57 MA's), (Start: 27 @20047 has 11 MA's), (28, 20050), (35, 20077), (39, 20089), (54, 20161), (63, 20218), (68, 20254), (73, 20305), (79, 20338), (103, 20485), (116, 20563),

Gene: Kamiyu_24 Start: 18445, Stop: 18966, Start Num: 25
Candidate Starts for Kamiyu_24:
(Start: 25 @18445 has 407 MA's), (Start: 34 @18475 has 1 MA's), (40, 18493), (45, 18505), (61, 18610), (81, 18733), (83, 18739), (85, 18748), (95, 18817), (106, 18874),

Gene: KarasumaRum_25 Start: 18677, Stop: 19168, Start Num: 25
Candidate Starts for KarasumaRum_25:
(23, 18623), (Start: 25 @18677 has 407 MA's), (38, 18710), (39, 18713), (42, 18722), (68, 18848), (81, 18926), (86, 18947), (87, 18959), (104, 19067), (113, 19130),

Gene: Karn_22 Start: 17522, Stop: 18040, Start Num: 25
Candidate Starts for Karn_22:
(23, 17468), (Start: 25 @17522 has 407 MA's), (35, 17555), (67, 17711), (68, 17717), (71, 17726), (81, 17792), (95, 17876), (111, 17978), (117, 18020),

Gene: Katniss_23 Start: 17826, Stop: 18344, Start Num: 25
Candidate Starts for Katniss_23:
(6, 17271), (7, 17325), (9, 17340), (10, 17349), (16, 17466), (18, 17508), (20, 17553), (23, 17772), (Start: 25 @17826 has 407 MA's), (35, 17859), (67, 18015), (68, 18021), (71, 18030), (81, 18096), (95, 18180), (111, 18282), (117, 18324),

Gene: KayaCho_19 Start: 16963, Stop: 17511, Start Num: 24
Candidate Starts for KayaCho_19:
(Start: 22 @16798 has 2 MA's), (23, 16912), (Start: 24 @16963 has 57 MA's), (32, 16996), (Start: 34 @17002 has 1 MA's), (54, 17086), (68, 17179), (71, 17188), (81, 17257), (84, 17266), (86, 17278), (88, 17293), (96, 17359), (100, 17389), (110, 17446), (117, 17491),

Gene: Keitherie_23 Start: 17829, Stop: 18347, Start Num: 25
Candidate Starts for Keitherie_23:
(6, 17274), (7, 17328), (9, 17343), (10, 17352), (16, 17469), (18, 17511), (20, 17556), (23, 17775), (Start: 25 @17829 has 407 MA's), (35, 17862), (67, 18018), (68, 18024), (71, 18033), (81, 18099), (95, 18183), (111, 18285), (117, 18327),

Gene: Khan1_22 Start: 17522, Stop: 18040, Start Num: 25
Candidate Starts for Khan1_22:
(2, 16916), (6, 16967), (7, 17021), (9, 17036), (10, 17045), (16, 17162), (18, 17204), (20, 17249), (23, 17468), (Start: 25 @17522 has 407 MA's), (35, 17555), (67, 17711), (68, 17717), (71, 17726), (81, 17792), (95, 17876), (111, 17978), (117, 18020),

Gene: Kheth_25 Start: 19915, Stop: 20475, Start Num: 24
Candidate Starts for Kheth_25:
(Start: 22 @19753 has 2 MA's), (Start: 24 @19915 has 57 MA's), (Start: 27 @19933 has 11 MA's), (28, 19936), (35, 19963), (39, 19975), (54, 20047), (63, 20104), (68, 20140), (73, 20191), (79, 20224), (103, 20371), (116, 20449),

Gene: Kikipoo_23 Start: 17818, Stop: 18336, Start Num: 25

Candidate Starts for Kikipoo_23:
(6, 17263), (7, 17317), (9, 17332), (10, 17341), (16, 17458), (18, 17500), (20, 17545), (23, 17764), (Start: 25 @17818 has 407 MA's), (35, 17851), (67, 18007), (68, 18013), (71, 18022), (81, 18088), (95, 18172), (111, 18274), (117, 18316),

Gene: Kimbrough_23 Start: 17520, Stop: 18038, Start Num: 25
Candidate Starts for Kimbrough_23:
(6, 16965), (7, 17019), (9, 17034), (10, 17043), (16, 17160), (18, 17202), (20, 17247), (23, 17466), (Start: 25 @17520 has 407 MA's), (35, 17553), (67, 17709), (68, 17715), (71, 17724), (81, 17790), (95, 17874), (111, 17976), (117, 18018),

Gene: KingVeVeVe_23 Start: 17797, Stop: 18315, Start Num: 25
Candidate Starts for KingVeVeVe_23:
(23, 17743), (Start: 25 @17797 has 407 MA's), (35, 17830), (67, 17986), (68, 17992), (71, 18001), (81, 18067), (95, 18151), (111, 18253), (117, 18295),

Gene: Kiwot_22 Start: 17368, Stop: 17886, Start Num: 25
Candidate Starts for Kiwot_22:
(2, 16762), (6, 16813), (7, 16867), (9, 16882), (10, 16891), (16, 17008), (18, 17050), (20, 17095), (23, 17314), (Start: 25 @17368 has 407 MA's), (35, 17401), (67, 17557), (68, 17563), (71, 17572), (81, 17638), (95, 17722), (111, 17824), (117, 17866),

Gene: KlimbOn_23 Start: 17806, Stop: 18324, Start Num: 25
Candidate Starts for KlimbOn_23:
(23, 17752), (Start: 25 @17806 has 407 MA's), (35, 17839), (67, 17995), (68, 18001), (71, 18010), (81, 18076), (95, 18160), (111, 18262), (117, 18304),

Gene: Kloppinator_23 Start: 17826, Stop: 18344, Start Num: 25
Candidate Starts for Kloppinator_23:
(6, 17271), (7, 17325), (9, 17340), (10, 17349), (16, 17466), (18, 17508), (20, 17553), (23, 17772), (Start: 25 @17826 has 407 MA's), (35, 17859), (67, 18015), (68, 18021), (71, 18030), (81, 18096), (95, 18180), (111, 18282), (117, 18324),

Gene: Knocker_25 Start: 20941, Stop: 21450, Start Num: 25
Candidate Starts for Knocker_25:
(23, 20887), (Start: 25 @20941 has 407 MA's), (29, 20953), (32, 20965), (38, 20983), (39, 20986), (44, 20989), (47, 21013), (66, 21112), (68, 21124), (70, 21130), (86, 21223), (89, 21241), (96, 21292), (101, 21328), (102, 21331), (110, 21385), (113, 21412),

Gene: Kolhan_25 Start: 19912, Stop: 20472, Start Num: 24
Candidate Starts for Kolhan_25:
(Start: 22 @19750 has 2 MA's), (Start: 24 @19912 has 57 MA's), (Start: 27 @19930 has 11 MA's), (28, 19933), (35, 19960), (39, 19972), (54, 20044), (63, 20101), (68, 20137), (73, 20188), (79, 20221), (103, 20368), (116, 20446),

Gene: Kronus_23 Start: 19059, Stop: 19580, Start Num: 25
Candidate Starts for Kronus_23:
(Start: 25 @19059 has 407 MA's), (Start: 34 @19089 has 1 MA's), (40, 19107), (45, 19119), (61, 19224), (81, 19347), (83, 19353), (85, 19362), (95, 19431), (106, 19488),

Gene: Kwadwo_22 Start: 17510, Stop: 18028, Start Num: 25
Candidate Starts for Kwadwo_22:

(6, 16955), (7, 17009), (9, 17024), (10, 17033), (16, 17150), (18, 17192), (20, 17237), (23, 17456), (Start: 25 @17510 has 407 MA's), (35, 17543), (67, 17699), (68, 17705), (71, 17714), (81, 17780), (95, 17864), (111, 17966), (117, 18008),

Gene: Kwksand96_22 Start: 17372, Stop: 17890, Start Num: 25
Candidate Starts for Kwksand96_22:
(2, 16766), (6, 16817), (7, 16871), (9, 16886), (10, 16895), (16, 17012), (18, 17054), (20, 17099), (23, 17318), (Start: 25 @17372 has 407 MA's), (35, 17405), (67, 17561), (68, 17567), (71, 17576), (81, 17642), (95, 17726), (111, 17828), (117, 17870),

Gene: Labeouficaum_22 Start: 17368, Stop: 17886, Start Num: 25
Candidate Starts for Labeouficaum_22:
(6, 16813), (7, 16867), (9, 16882), (10, 16891), (16, 17008), (18, 17050), (20, 17095), (23, 17314), (Start: 25 @17368 has 407 MA's), (35, 17401), (67, 17557), (68, 17563), (71, 17572), (81, 17638), (95, 17722), (111, 17824), (117, 17866),

Gene: Lambano_20 Start: 17403, Stop: 17933, Start Num: 25
Candidate Starts for Lambano_20:
(8, 16914), (14, 16947), (Start: 22 @17235 has 2 MA's), (Start: 25 @17403 has 407 MA's), (32, 17433), (50, 17502), (68, 17607), (72, 17637), (74, 17655), (82, 17688), (84, 17694), (86, 17706), (88, 17721), (96, 17775), (108, 17853),

Gene: Lars_25 Start: 20032, Stop: 20592, Start Num: 24
Candidate Starts for Lars_25:
(Start: 22 @19870 has 2 MA's), (Start: 24 @20032 has 57 MA's), (Start: 27 @20050 has 11 MA's), (28, 20053), (35, 20080), (39, 20092), (54, 20164), (63, 20221), (68, 20257), (73, 20308), (79, 20341), (103, 20488), (116, 20566),

Gene: Larson_24 Start: 17824, Stop: 18342, Start Num: 25
Candidate Starts for Larson_24:
(2, 17218), (6, 17269), (7, 17323), (9, 17338), (10, 17347), (16, 17464), (18, 17506), (20, 17551), (23, 17770), (Start: 25 @17824 has 407 MA's), (35, 17857), (67, 18013), (68, 18019), (71, 18028), (81, 18094), (95, 18178), (111, 18280), (117, 18322),

Gene: LasagnaCat_23 Start: 17812, Stop: 18330, Start Num: 25
Candidate Starts for LasagnaCat_23:
(6, 17257), (7, 17311), (9, 17326), (10, 17335), (16, 17452), (18, 17494), (20, 17539), (23, 17758), (Start: 25 @17812 has 407 MA's), (35, 17845), (67, 18001), (68, 18007), (71, 18016), (81, 18082), (95, 18166), (111, 18268), (117, 18310),

Gene: Lasso_23 Start: 17785, Stop: 18303, Start Num: 25
Candidate Starts for Lasso_23:
(6, 17230), (7, 17284), (9, 17299), (10, 17308), (16, 17425), (18, 17467), (20, 17512), (23, 17731), (Start: 25 @17785 has 407 MA's), (35, 17818), (67, 17974), (68, 17980), (71, 17989), (81, 18055), (95, 18139), (111, 18241), (117, 18283),

Gene: Laurie_25 Start: 19906, Stop: 20466, Start Num: 24
Candidate Starts for Laurie_25:
(Start: 24 @19906 has 57 MA's), (Start: 27 @19924 has 11 MA's), (35, 19954), (39, 19966), (54, 20038), (63, 20095), (68, 20131), (73, 20182), (79, 20215), (103, 20362), (116, 20440),

Gene: LeeLot_23 Start: 17810, Stop: 18328, Start Num: 25
Candidate Starts for LeeLot_23:

(6, 17255), (7, 17309), (9, 17324), (10, 17333), (16, 17450), (18, 17492), (20, 17537), (23, 17756), (Start: 25 @17810 has 407 MA's), (35, 17843), (67, 17999), (68, 18005), (71, 18014), (81, 18080), (95, 18164), (111, 18266), (117, 18308),

Gene: Lego3393_23 Start: 17822, Stop: 18340, Start Num: 25
Candidate Starts for Lego3393_23:
(6, 17267), (7, 17321), (9, 17336), (10, 17345), (16, 17462), (18, 17504), (20, 17549), (23, 17768), (Start: 25 @17822 has 407 MA's), (35, 17855), (67, 18011), (68, 18017), (71, 18026), (81, 18092), (95, 18176), (111, 18278), (117, 18320),

Gene: Legolas_22 Start: 17526, Stop: 18044, Start Num: 25
Candidate Starts for Legolas_22:
(6, 16971), (7, 17025), (9, 17040), (10, 17049), (16, 17166), (18, 17208), (20, 17253), (23, 17472), (Start: 25 @17526 has 407 MA's), (35, 17559), (67, 17715), (68, 17721), (71, 17730), (81, 17796), (95, 17880), (111, 17982), (117, 18024),

Gene: Lehmann_23 Start: 17352, Stop: 17870, Start Num: 25
Candidate Starts for Lehmann_23:
(23, 17298), (Start: 25 @17352 has 407 MA's), (35, 17385), (67, 17541), (68, 17547), (71, 17556), (81, 17622), (95, 17706), (111, 17808), (117, 17850),

Gene: LeiMonet_23 Start: 17517, Stop: 18035, Start Num: 25
Candidate Starts for LeiMonet_23:
(23, 17463), (Start: 25 @17517 has 407 MA's), (35, 17550), (67, 17706), (68, 17712), (71, 17721), (81, 17787), (95, 17871), (111, 17973), (117, 18015),

Gene: LemonSlice_23 Start: 17517, Stop: 18035, Start Num: 25
Candidate Starts for LemonSlice_23:
(6, 16962), (7, 17016), (9, 17031), (10, 17040), (16, 17157), (18, 17199), (20, 17244), (23, 17463), (Start: 25 @17517 has 407 MA's), (35, 17550), (67, 17706), (68, 17712), (71, 17721), (81, 17787), (95, 17871), (111, 17973), (117, 18015),

Gene: Lephleur_25 Start: 19912, Stop: 20472, Start Num: 24
Candidate Starts for Lephleur_25:
(Start: 22 @19750 has 2 MA's), (Start: 24 @19912 has 57 MA's), (Start: 27 @19930 has 11 MA's), (28, 19933), (35, 19960), (39, 19972), (54, 20044), (63, 20101), (68, 20137), (73, 20188), (79, 20221), (103, 20368), (116, 20446),

Gene: LestyG_24 Start: 18480, Stop: 19001, Start Num: 25
Candidate Starts for LestyG_24:
(Start: 25 @18480 has 407 MA's), (Start: 34 @18510 has 1 MA's), (61, 18645), (81, 18768), (83, 18774), (85, 18783), (95, 18852), (106, 18909),

Gene: Ligma_20 Start: 16345, Stop: 16893, Start Num: 25
Candidate Starts for Ligma_20:
(20, 16072), (21, 16159), (Start: 22 @16177 has 2 MA's), (23, 16291), (Start: 25 @16345 has 407 MA's), (28, 16363), (42, 16411), (81, 16636), (86, 16657), (88, 16672), (113, 16852), (115, 16861),

Gene: LilMcDreamy_20 Start: 18494, Stop: 18985, Start Num: 25
Candidate Starts for LilMcDreamy_20:
(23, 18440), (Start: 25 @18494 has 407 MA's), (39, 18530), (42, 18539), (54, 18581), (68, 18665), (81, 18743), (84, 18752), (86, 18764), (94, 18809), (119, 18974), (120, 18980),

Gene: LilSmirk_25 Start: 19912, Stop: 20472, Start Num: 24
Candidate Starts for LilSmirk_25:
(Start: 22 @19750 has 2 MA's), (Start: 24 @19912 has 57 MA's), (Start: 27 @19930 has 11 MA's), (28, 19933), (35, 19960), (39, 19972), (54, 20044), (63, 20101), (68, 20137), (73, 20188), (79, 20221), (103, 20368), (116, 20446),

Gene: LittleDigger_20 Start: 17410, Stop: 17940, Start Num: 25
Candidate Starts for LittleDigger_20:
(Start: 22 @17242 has 2 MA's), (Start: 25 @17410 has 407 MA's), (32, 17440), (50, 17509), (68, 17614), (72, 17644), (74, 17662), (82, 17695), (84, 17701), (86, 17713), (88, 17728), (96, 17782), (108, 17860),

Gene: LittleMinkey_28 Start: 18408, Stop: 18926, Start Num: 25
Candidate Starts for LittleMinkey_28:
(14, 17949), (Start: 22 @18240 has 2 MA's), (Start: 25 @18408 has 407 MA's), (38, 18450), (52, 18513), (54, 18522), (61, 18570), (70, 18606), (71, 18609), (82, 18681), (85, 18693),

Gene: LittleMunchkin_22 Start: 19184, Stop: 19726, Start Num: 25
Candidate Starts for LittleMunchkin_22:
(23, 19130), (Start: 25 @19184 has 407 MA's), (28, 19202), (30, 19217), (42, 19250), (86, 19496), (88, 19511), (113, 19688), (115, 19697),

Gene: LizLemon_25 Start: 20029, Stop: 20589, Start Num: 24
Candidate Starts for LizLemon_25:
(Start: 22 @19867 has 2 MA's), (Start: 24 @20029 has 57 MA's), (Start: 27 @20047 has 11 MA's), (28, 20050), (35, 20077), (39, 20089), (54, 20161), (63, 20218), (68, 20254), (73, 20305), (79, 20338), (103, 20485), (116, 20563),

Gene: Lolalove_21 Start: 18432, Stop: 18962, Start Num: 25
Candidate Starts for Lolalove_21:
(Start: 25 @18432 has 407 MA's), (32, 18462), (50, 18531), (68, 18636), (72, 18666), (74, 18684), (82, 18717), (84, 18723), (86, 18735), (96, 18804), (108, 18882),

Gene: Longacauda_22 Start: 17512, Stop: 18030, Start Num: 25
Candidate Starts for Longacauda_22:
(2, 16906), (6, 16957), (7, 17011), (9, 17026), (10, 17035), (16, 17152), (18, 17194), (20, 17239), (23, 17458), (Start: 25 @17512 has 407 MA's), (35, 17545), (67, 17701), (68, 17707), (71, 17716), (81, 17782), (95, 17866), (111, 17968), (117, 18010),

Gene: Lopsy_22 Start: 17368, Stop: 17886, Start Num: 25
Candidate Starts for Lopsy_22:
(23, 17314), (Start: 25 @17368 has 407 MA's), (35, 17401), (67, 17557), (68, 17563), (71, 17572), (81, 17638), (95, 17722), (111, 17824), (117, 17866),

Gene: LostAndPhound_22 Start: 17519, Stop: 18037, Start Num: 25
Candidate Starts for LostAndPhound_22:
(23, 17465), (Start: 25 @17519 has 407 MA's), (35, 17552), (67, 17708), (68, 17714), (71, 17723), (81, 17789), (95, 17873), (111, 17975), (117, 18017),

Gene: LuckyMarjie_22 Start: 17532, Stop: 18050, Start Num: 25
Candidate Starts for LuckyMarjie_22:
(6, 16977), (7, 17031), (9, 17046), (10, 17055), (16, 17172), (18, 17214), (20, 17259), (23, 17478), (Start: 25 @17532 has 407 MA's), (35, 17565), (67, 17721), (68, 17727), (71, 17736), (81, 17802), (95,

17886), (111, 17988), (117, 18030),

Gene: Lulumae_22 Start: 17510, Stop: 18028, Start Num: 25
Candidate Starts for Lulumae_22:
(6, 16955), (7, 17009), (9, 17024), (10, 17033), (16, 17150), (18, 17192), (20, 17237), (23, 17456), (Start: 25 @17510 has 407 MA's), (35, 17543), (67, 17699), (68, 17705), (71, 17714), (81, 17780), (95, 17864), (111, 17966), (117, 18008),

Gene: Lulwa_23 Start: 17797, Stop: 18315, Start Num: 25
Candidate Starts for Lulwa_23:
(6, 17242), (7, 17296), (9, 17311), (10, 17320), (16, 17437), (18, 17479), (20, 17524), (23, 17743), (Start: 25 @17797 has 407 MA's), (35, 17830), (67, 17986), (68, 17992), (71, 18001), (81, 18067), (95, 18151), (111, 18253), (117, 18295),

Gene: Lumine_22 Start: 17506, Stop: 18024, Start Num: 25
Candidate Starts for Lumine_22:
(6, 16951), (7, 17005), (9, 17020), (10, 17029), (16, 17146), (18, 17188), (20, 17233), (23, 17452), (Start: 25 @17506 has 407 MA's), (35, 17539), (67, 17695), (68, 17701), (71, 17710), (81, 17776), (95, 17860), (111, 17962), (117, 18004),

Gene: MRabcd_22 Start: 17511, Stop: 18029, Start Num: 25
Candidate Starts for MRabcd_22:
(6, 16956), (7, 17010), (9, 17025), (10, 17034), (16, 17151), (18, 17193), (20, 17238), (23, 17457), (Start: 25 @17511 has 407 MA's), (35, 17544), (67, 17700), (68, 17706), (71, 17715), (81, 17781), (95, 17865), (111, 17967), (117, 18009),

Gene: Mag7_22 Start: 17366, Stop: 17884, Start Num: 25
Candidate Starts for Mag7_22:
(2, 16760), (6, 16811), (7, 16865), (9, 16880), (10, 16889), (16, 17006), (18, 17048), (20, 17093), (23, 17312), (Start: 25 @17366 has 407 MA's), (35, 17399), (67, 17555), (68, 17561), (71, 17570), (81, 17636), (95, 17720), (111, 17822), (117, 17864),

Gene: Magic8_23 Start: 17804, Stop: 18322, Start Num: 25
Candidate Starts for Magic8_23:
(2, 17198), (6, 17249), (7, 17303), (9, 17318), (10, 17327), (16, 17444), (18, 17486), (20, 17531), (23, 17750), (Start: 25 @17804 has 407 MA's), (35, 17837), (67, 17993), (68, 17999), (71, 18008), (81, 18074), (95, 18158), (111, 18260), (117, 18302),

Gene: Magpie_20 Start: 18255, Stop: 18785, Start Num: 25
Candidate Starts for Magpie_20:
(Start: 22 @18087 has 2 MA's), (Start: 25 @18255 has 407 MA's), (32, 18285), (50, 18354), (68, 18459), (72, 18489), (74, 18507), (82, 18540), (84, 18546), (86, 18558), (88, 18573), (96, 18627), (108, 18705),

Gene: Makar_52 Start: 28569, Stop: 29111, Start Num: 31
Candidate Starts for Makar_52:
(20, 28275), (21, 28362), (Start: 22 @28377 has 2 MA's), (23, 28491), (Start: 31 @28569 has 1 MA's), (41, 28599), (42, 28602), (56, 28689), (68, 28761), (73, 28812), (92, 28908), (99, 28977), (107, 29016), (116, 29082),

Gene: MakoManhole_22 Start: 17734, Stop: 18273, Start Num: 24
Candidate Starts for MakoManhole_22:

(23, 17683), (Start: 24 @17734 has 57 MA's), (42, 17800), (71, 17956), (78, 18016), (81, 18025), (86, 18046), (100, 18145), (104, 18166), (113, 18235), (115, 18244),

Gene: Mana_22 Start: 17513, Stop: 18031, Start Num: 25
Candidate Starts for Mana_22:
(23, 17459), (Start: 25 @17513 has 407 MA's), (35, 17546), (67, 17702), (68, 17708), (71, 17717), (81, 17783), (95, 17867), (111, 17969), (117, 18011),

Gene: Manad_22 Start: 17363, Stop: 17881, Start Num: 25
Candidate Starts for Manad_22:
(23, 17309), (Start: 25 @17363 has 407 MA's), (35, 17396), (67, 17552), (68, 17558), (71, 17567), (81, 17633), (95, 17717), (111, 17819), (117, 17861),

Gene: Mao1_19 Start: 15827, Stop: 16372, Start Num: 27
Candidate Starts for Mao1_19:
(21, 15641), (Start: 22 @15662 has 2 MA's), (23, 15773), (Start: 24 @15824 has 57 MA's), (Start: 27 @15827 has 11 MA's), (42, 15878), (48, 15908), (54, 15941), (57, 15968), (59, 15980), (64, 16010), (68, 16037), (78, 16121), (79, 16124), (86, 16151), (89, 16169), (117, 16352),

Gene: Mariokart_20 Start: 16235, Stop: 16783, Start Num: 24
Candidate Starts for Mariokart_20:
(21, 16052), (Start: 22 @16070 has 2 MA's), (23, 16184), (Start: 24 @16235 has 57 MA's), (42, 16301), (80, 16523), (86, 16547), (88, 16562), (100, 16646), (115, 16751),

Gene: Marley1013_24 Start: 19258, Stop: 19779, Start Num: 25
Candidate Starts for Marley1013_24:
(Start: 25 @19258 has 407 MA's), (Start: 34 @19288 has 1 MA's), (40, 19306), (45, 19318), (61, 19423), (81, 19546), (83, 19552), (85, 19561), (92, 19597), (95, 19630), (106, 19687),

Gene: Marlia_24 Start: 18508, Stop: 18981, Start Num: 40
Candidate Starts for Marlia_24:
(Start: 25 @18460 has 407 MA's), (Start: 34 @18490 has 1 MA's), (40, 18508), (45, 18520), (61, 18625), (81, 18748), (83, 18754), (85, 18763), (95, 18832), (106, 18889),

Gene: Maru_22 Start: 17512, Stop: 18030, Start Num: 25
Candidate Starts for Maru_22:
(23, 17458), (Start: 25 @17512 has 407 MA's), (35, 17545), (67, 17701), (68, 17707), (71, 17716), (81, 17782), (95, 17866), (111, 17968), (117, 18010),

Gene: Mask_20 Start: 15828, Stop: 16373, Start Num: 27
Candidate Starts for Mask_20:
(21, 15642), (Start: 22 @15663 has 2 MA's), (23, 15774), (Start: 24 @15825 has 57 MA's), (Start: 27 @15828 has 11 MA's), (42, 15879), (48, 15909), (54, 15942), (57, 15969), (59, 15981), (64, 16011), (68, 16038), (78, 16122), (79, 16125), (86, 16152), (89, 16170), (117, 16353),

Gene: Maskar_22 Start: 17358, Stop: 17876, Start Num: 25
Candidate Starts for Maskar_22:
(23, 17304), (Start: 25 @17358 has 407 MA's), (35, 17391), (67, 17547), (68, 17553), (71, 17562), (81, 17628), (95, 17712), (111, 17814), (117, 17856),

Gene: MasterPo_25 Start: 19912, Stop: 20472, Start Num: 24
Candidate Starts for MasterPo_25:

(Start: 22 @19750 has 2 MA's), (Start: 24 @19912 has 57 MA's), (Start: 27 @19930 has 11 MA's), (28, 19933), (35, 19960), (39, 19972), (54, 20044), (63, 20101), (68, 20137), (73, 20188), (79, 20221), (103, 20368), (116, 20446),

Gene: Matalotodo_23 Start: 17805, Stop: 18323, Start Num: 25
Candidate Starts for Matalotodo_23:
(6, 17250), (7, 17304), (9, 17319), (10, 17328), (16, 17445), (18, 17487), (20, 17532), (23, 17751), (Start: 25 @17805 has 407 MA's), (35, 17838), (67, 17994), (68, 18000), (71, 18009), (81, 18075), (95, 18159), (111, 18261), (117, 18303),

Gene: Mcshane_22 Start: 17508, Stop: 18026, Start Num: 25
Candidate Starts for Mcshane_22:
(6, 16953), (7, 17007), (9, 17022), (10, 17031), (16, 17148), (18, 17190), (20, 17235), (23, 17454), (Start: 25 @17508 has 407 MA's), (35, 17541), (67, 17697), (68, 17703), (71, 17712), (81, 17778), (95, 17862), (111, 17964), (117, 18006),

Gene: Mecca_22 Start: 17505, Stop: 18023, Start Num: 25
Candidate Starts for Mecca_22:
(23, 17451), (Start: 25 @17505 has 407 MA's), (35, 17538), (67, 17694), (68, 17700), (71, 17709), (81, 17775), (95, 17859), (111, 17961), (117, 18003),

Gene: Megabear_17 Start: 17229, Stop: 17750, Start Num: 27
Candidate Starts for Megabear_17:
(23, 17175), (Start: 27 @17229 has 11 MA's), (42, 17280), (48, 17310), (53, 17337), (54, 17343), (68, 17415), (74, 17469), (75, 17475), (77, 17490), (86, 17529), (89, 17547), (109, 17676), (110, 17685), (112, 17694), (117, 17730),

Gene: Megamind20_23 Start: 17526, Stop: 18044, Start Num: 25
Candidate Starts for Megamind20_23:
(23, 17472), (Start: 25 @17526 has 407 MA's), (35, 17559), (67, 17715), (68, 17721), (71, 17730), (81, 17796), (95, 17880), (111, 17982), (117, 18024),

Gene: Megatron_23 Start: 17809, Stop: 18327, Start Num: 25
Candidate Starts for Megatron_23:
(6, 17254), (7, 17308), (9, 17323), (10, 17332), (16, 17449), (18, 17491), (20, 17536), (23, 17755), (Start: 25 @17809 has 407 MA's), (35, 17842), (67, 17998), (68, 18004), (71, 18013), (81, 18079), (95, 18163), (111, 18265), (117, 18307),

Gene: Melc17_23 Start: 17800, Stop: 18318, Start Num: 25
Candidate Starts for Melc17_23:
(2, 17194), (6, 17245), (7, 17299), (9, 17314), (10, 17323), (16, 17440), (18, 17482), (20, 17527), (23, 17746), (Start: 25 @17800 has 407 MA's), (35, 17833), (67, 17989), (68, 17995), (71, 18004), (81, 18070), (95, 18154), (111, 18256), (117, 18298),

Gene: MelsMeow_22 Start: 17366, Stop: 17884, Start Num: 25
Candidate Starts for MelsMeow_22:
(2, 16760), (6, 16811), (7, 16865), (9, 16880), (10, 16889), (16, 17006), (18, 17048), (20, 17093), (23, 17312), (Start: 25 @17366 has 407 MA's), (35, 17399), (67, 17555), (68, 17561), (71, 17570), (81, 17636), (95, 17720), (111, 17822), (117, 17864),

Gene: Mesh1_23 Start: 17817, Stop: 18335, Start Num: 25
Candidate Starts for Mesh1_23:

(6, 17262), (7, 17316), (9, 17331), (10, 17340), (16, 17457), (18, 17499), (20, 17544), (23, 17763), (Start: 25 @17817 has 407 MA's), (35, 17850), (67, 18006), (68, 18012), (71, 18021), (81, 18087), (95, 18171), (111, 18273), (117, 18315),

Gene: Mesmerelda_22 Start: 17511, Stop: 18029, Start Num: 25
Candidate Starts for Mesmerelda_22:
(6, 16956), (7, 17010), (9, 17025), (10, 17034), (16, 17151), (18, 17193), (20, 17238), (23, 17457), (Start: 25 @17511 has 407 MA's), (35, 17544), (67, 17700), (68, 17706), (71, 17715), (81, 17781), (95, 17865), (111, 17967), (117, 18009),

Gene: MichaelPhcott_22 Start: 17366, Stop: 17884, Start Num: 25
Candidate Starts for MichaelPhcott_22:
(2, 16760), (6, 16811), (7, 16865), (9, 16880), (10, 16889), (16, 17006), (18, 17048), (20, 17093), (23, 17312), (Start: 25 @17366 has 407 MA's), (35, 17399), (67, 17555), (68, 17561), (71, 17570), (81, 17636), (95, 17720), (111, 17822), (117, 17864),

Gene: Mikota_23 Start: 17793, Stop: 18311, Start Num: 25
Candidate Starts for Mikota_23:
(23, 17739), (Start: 25 @17793 has 407 MA's), (35, 17826), (67, 17982), (68, 17988), (71, 17997), (81, 18063), (95, 18147), (111, 18249), (117, 18291),

Gene: MiniBoss_23 Start: 17796, Stop: 18314, Start Num: 25
Candidate Starts for MiniBoss_23:
(23, 17742), (Start: 25 @17796 has 407 MA's), (35, 17829), (67, 17985), (68, 17991), (71, 18000), (81, 18066), (95, 18150), (111, 18252), (117, 18294),

Gene: Minnow_20 Start: 17004, Stop: 17519, Start Num: 32
Candidate Starts for Minnow_20:
(20, 16701), (Start: 22 @16806 has 2 MA's), (23, 16920), (Start: 24 @16971 has 57 MA's), (32, 17004), (Start: 34 @17010 has 1 MA's), (54, 17094), (68, 17187), (71, 17196), (81, 17265), (84, 17274), (86, 17286), (88, 17301), (96, 17367), (100, 17397), (110, 17454), (117, 17499),

Gene: MitKao_23 Start: 17514, Stop: 18032, Start Num: 25
Candidate Starts for MitKao_23:
(6, 16959), (7, 17013), (9, 17028), (10, 17037), (16, 17154), (18, 17196), (20, 17241), (23, 17460), (Start: 25 @17514 has 407 MA's), (35, 17547), (67, 17703), (68, 17709), (71, 17718), (81, 17784), (95, 17868), (111, 17970), (117, 18012),

Gene: Mithril_21 Start: 18436, Stop: 18966, Start Num: 25
Candidate Starts for Mithril_21:
(Start: 22 @18268 has 2 MA's), (Start: 25 @18436 has 407 MA's), (32, 18466), (50, 18535), (68, 18640), (72, 18670), (74, 18688), (82, 18721), (84, 18727), (86, 18739), (88, 18754), (96, 18808), (108, 18886),

Gene: MmasiCarm_24 Start: 18471, Stop: 18992, Start Num: 25
Candidate Starts for MmasiCarm_24:
(Start: 25 @18471 has 407 MA's), (Start: 34 @18501 has 1 MA's), (40, 18519), (45, 18531), (61, 18636), (81, 18759), (83, 18765), (85, 18774), (95, 18843), (106, 18900),

Gene: Morgushi_23 Start: 17519, Stop: 18037, Start Num: 25
Candidate Starts for Morgushi_23:
(23, 17465), (Start: 25 @17519 has 407 MA's), (35, 17552), (67, 17708), (68, 17714), (71, 17723), (81, 17789), (95, 17873), (111, 17975), (117, 18017),

Gene: Mortcellus_23 Start: 19114, Stop: 19635, Start Num: 25
Candidate Starts for Mortcellus_23:
(Start: 25 @19114 has 407 MA's), (Start: 34 @19144 has 1 MA's), (40, 19162), (45, 19174), (61, 19279), (81, 19402), (83, 19408), (85, 19417), (95, 19486), (106, 19543),

Gene: Morty_23 Start: 17818, Stop: 18336, Start Num: 25
Candidate Starts for Morty_23:
(6, 17263), (7, 17317), (9, 17332), (10, 17341), (16, 17458), (18, 17500), (20, 17545), (23, 17764), (Start: 25 @17818 has 407 MA's), (35, 17851), (67, 18007), (68, 18013), (71, 18022), (81, 18088), (95, 18172), (111, 18274), (117, 18316),

Gene: Morty007_24 Start: 19258, Stop: 19779, Start Num: 25
Candidate Starts for Morty007_24:
(Start: 25 @19258 has 407 MA's), (Start: 34 @19288 has 1 MA's), (40, 19306), (45, 19318), (61, 19423), (81, 19546), (83, 19552), (85, 19561), (92, 19597), (95, 19630), (106, 19687),

Gene: Mosaic_22 Start: 17520, Stop: 18038, Start Num: 25
Candidate Starts for Mosaic_22:
(6, 16965), (7, 17019), (9, 17034), (10, 17043), (16, 17160), (18, 17202), (20, 17247), (23, 17466), (Start: 25 @17520 has 407 MA's), (35, 17553), (67, 17709), (68, 17715), (71, 17724), (81, 17790), (95, 17874), (111, 17976), (117, 18018),

Gene: MossRose_22 Start: 17713, Stop: 18252, Start Num: 24
Candidate Starts for MossRose_22:
(23, 17662), (Start: 24 @17713 has 57 MA's), (42, 17779), (71, 17935), (78, 17995), (81, 18004), (86, 18025), (100, 18124), (104, 18145), (113, 18214), (115, 18223),

Gene: MrPhizzler_23 Start: 17519, Stop: 18037, Start Num: 25
Candidate Starts for MrPhizzler_23:
(23, 17465), (Start: 25 @17519 has 407 MA's), (35, 17552), (67, 17708), (68, 17714), (71, 17723), (81, 17789), (95, 17873), (111, 17975), (117, 18017),

Gene: Mudslide_21 Start: 18683, Stop: 19213, Start Num: 25
Candidate Starts for Mudslide_21:
(Start: 22 @18515 has 2 MA's), (Start: 25 @18683 has 407 MA's), (32, 18713), (42, 18743), (50, 18782), (68, 18887), (72, 18917), (74, 18935), (82, 18968), (84, 18974), (86, 18986), (88, 19001), (96, 19055), (108, 19133),

Gene: Mulan_22 Start: 17514, Stop: 18032, Start Num: 25
Candidate Starts for Mulan_22:
(23, 17460), (Start: 25 @17514 has 407 MA's), (35, 17547), (67, 17703), (68, 17709), (71, 17718), (81, 17784), (95, 17868), (111, 17970), (117, 18012),

Gene: Mulaychimus_24 Start: 18453, Stop: 18974, Start Num: 25
Candidate Starts for Mulaychimus_24:
(Start: 25 @18453 has 407 MA's), (Start: 34 @18483 has 1 MA's), (61, 18618), (81, 18741), (83, 18747), (85, 18756), (95, 18825), (106, 18882),

Gene: Murdoc_23 Start: 17807, Stop: 18325, Start Num: 25
Candidate Starts for Murdoc_23:
(6, 17252), (7, 17306), (9, 17321), (10, 17330), (16, 17447), (18, 17489), (20, 17534), (23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95,

18161), (111, 18263), (117, 18305),

Gene: Mutante_22 Start: 17517, Stop: 18035, Start Num: 25
Candidate Starts for Mutante_22:
(6, 16962), (7, 17016), (9, 17031), (10, 17040), (16, 17157), (18, 17199), (20, 17244), (23, 17463), (Start: 25 @17517 has 407 MA's), (35, 17550), (67, 17706), (68, 17712), (71, 17721), (81, 17787), (95, 17871), (111, 17973), (117, 18015),

Gene: Mysterious_23 Start: 18806, Stop: 19297, Start Num: 25
Candidate Starts for Mysterious_23:
(23, 18752), (Start: 25 @18806 has 407 MA's), (39, 18842), (42, 18851), (46, 18860), (54, 18893), (65, 18962), (68, 18977), (81, 19055), (86, 19076), (87, 19088), (91, 19103), (103, 19193), (113, 19259), (119, 19286),

Gene: NHagos_20 Start: 16255, Stop: 16794, Start Num: 24
Candidate Starts for NHagos_20:
(23, 16204), (Start: 24 @16255 has 57 MA's), (35, 16300), (71, 16477), (81, 16546), (82, 16549), (84, 16555), (88, 16582), (89, 16585), (115, 16765),

Gene: Nacho_0023 Start: 17806, Stop: 18324, Start Num: 25
Candidate Starts for Nacho_0023:
(23, 17752), (Start: 25 @17806 has 407 MA's), (35, 17839), (67, 17995), (68, 18001), (71, 18010), (81, 18076), (95, 18160), (111, 18262), (117, 18304),

Gene: Nanao_20 Start: 17402, Stop: 17932, Start Num: 25
Candidate Starts for Nanao_20:
(8, 16913), (14, 16946), (Start: 22 @17234 has 2 MA's), (Start: 25 @17402 has 407 MA's), (32, 17432), (50, 17501), (68, 17606), (72, 17636), (74, 17654), (82, 17687), (84, 17693), (86, 17705), (88, 17720), (96, 17774), (108, 17852),

Gene: Nangang_23 Start: 18505, Stop: 18996, Start Num: 25
Candidate Starts for Nangang_23:
(23, 18451), (Start: 25 @18505 has 407 MA's), (39, 18541), (42, 18550), (54, 18592), (68, 18676), (81, 18754), (86, 18775), (87, 18787), (104, 18895), (113, 18958),

Gene: Nathan_23 Start: 17819, Stop: 18337, Start Num: 25
Candidate Starts for Nathan_23:
(6, 17264), (7, 17318), (10, 17342), (16, 17459), (18, 17501), (20, 17546), (23, 17765), (Start: 25 @17819 has 407 MA's), (35, 17852), (67, 18008), (68, 18014), (71, 18023), (81, 18089), (95, 18173), (111, 18275), (117, 18317),

Gene: Nehemiah_22 Start: 18806, Stop: 19297, Start Num: 25
Candidate Starts for Nehemiah_22:
(23, 18752), (Start: 25 @18806 has 407 MA's), (39, 18842), (42, 18851), (46, 18860), (54, 18893), (65, 18962), (68, 18977), (81, 19055), (86, 19076), (87, 19088), (91, 19103), (103, 19193), (113, 19259), (119, 19286),

Gene: Nehme_22 Start: 17512, Stop: 18030, Start Num: 25
Candidate Starts for Nehme_22:
(2, 16906), (6, 16957), (7, 17011), (9, 17026), (10, 17035), (16, 17152), (18, 17194), (20, 17239), (23, 17458), (Start: 25 @17512 has 407 MA's), (35, 17545), (67, 17701), (68, 17707), (71, 17716), (81, 17782), (95, 17866), (111, 17968), (117, 18010),

Gene: Neos5_24 Start: 19268, Stop: 19789, Start Num: 25
Candidate Starts for Neos5_24:
(Start: 25 @19268 has 407 MA's), (Start: 34 @19298 has 1 MA's), (40, 19316), (45, 19328), (61, 19433), (81, 19556), (83, 19562), (85, 19571), (95, 19640), (106, 19697),

Gene: Newman_23 Start: 17806, Stop: 18324, Start Num: 25
Candidate Starts for Newman_23:
(23, 17752), (Start: 25 @17806 has 407 MA's), (35, 17839), (67, 17995), (68, 18001), (71, 18010), (81, 18076), (95, 18160), (111, 18262), (117, 18304),

Gene: NiaNia_24 Start: 17533, Stop: 18051, Start Num: 25
Candidate Starts for NiaNia_24:
(6, 16978), (7, 17032), (9, 17047), (10, 17056), (16, 17173), (18, 17215), (20, 17260), (23, 17479), (Start: 25 @17533 has 407 MA's), (35, 17566), (67, 17722), (68, 17728), (71, 17737), (81, 17803), (95, 17887), (111, 17989), (117, 18031),

Gene: Nicole21_23 Start: 17798, Stop: 18316, Start Num: 25
Candidate Starts for Nicole21_23:
(6, 17243), (7, 17297), (9, 17312), (10, 17321), (16, 17438), (18, 17480), (20, 17525), (23, 17744), (Start: 25 @17798 has 407 MA's), (35, 17831), (67, 17987), (68, 17993), (71, 18002), (81, 18068), (95, 18152), (111, 18254), (117, 18296),

Gene: Nigel_19 Start: 17285, Stop: 17815, Start Num: 25
Candidate Starts for Nigel_19:
(Start: 25 @17285 has 407 MA's), (32, 17315), (38, 17333), (50, 17384), (51, 17387), (68, 17489), (74, 17537), (81, 17567), (82, 17570), (84, 17576), (86, 17588), (88, 17603), (96, 17657), (98, 17675), (108, 17735),

Gene: Nova1_22 Start: 17381, Stop: 17899, Start Num: 25
Candidate Starts for Nova1_22:
(6, 16826), (7, 16880), (9, 16895), (10, 16904), (16, 17021), (18, 17063), (20, 17108), (23, 17327), (Start: 25 @17381 has 407 MA's), (35, 17414), (67, 17570), (68, 17576), (71, 17585), (81, 17651), (95, 17735), (111, 17837), (117, 17879),

Gene: Nozo_24 Start: 19238, Stop: 19759, Start Num: 25
Candidate Starts for Nozo_24:
(Start: 25 @19238 has 407 MA's), (Start: 34 @19268 has 1 MA's), (40, 19286), (45, 19298), (61, 19403), (81, 19526), (83, 19532), (85, 19541), (95, 19610), (106, 19667),

Gene: Numberten_23 Start: 17811, Stop: 18329, Start Num: 25
Candidate Starts for Numberten_23:
(6, 17256), (7, 17310), (9, 17325), (10, 17334), (16, 17451), (18, 17493), (20, 17538), (23, 17757), (Start: 25 @17811 has 407 MA's), (35, 17844), (67, 18000), (68, 18006), (71, 18015), (81, 18081), (95, 18165), (111, 18267), (117, 18309),

Gene: Nyala_22 Start: 17509, Stop: 18027, Start Num: 25
Candidate Starts for Nyala_22:
(23, 17455), (Start: 25 @17509 has 407 MA's), (35, 17542), (67, 17698), (68, 17704), (71, 17713), (81, 17779), (95, 17863), (111, 17965), (117, 18007),

Gene: OSmaximus_23 Start: 17818, Stop: 18336, Start Num: 25
Candidate Starts for OSmaximus_23:

(6, 17263), (7, 17317), (9, 17332), (10, 17341), (16, 17458), (18, 17500), (20, 17545), (23, 17764), (Start: 25 @17818 has 407 MA's), (35, 17851), (67, 18007), (68, 18013), (71, 18022), (81, 18088), (95, 18172), (111, 18274), (117, 18316),

Gene: Obutu_24 Start: 18471, Stop: 18992, Start Num: 25
Candidate Starts for Obutu_24:
(Start: 25 @18471 has 407 MA's), (Start: 34 @18501 has 1 MA's), (40, 18519), (45, 18531), (61, 18636), (81, 18759), (83, 18765), (85, 18774), (95, 18843), (106, 18900),

Gene: Olak_22 Start: 17510, Stop: 18028, Start Num: 25
Candidate Starts for Olak_22:
(6, 16955), (7, 17009), (9, 17024), (10, 17033), (16, 17150), (18, 17192), (20, 17237), (23, 17456), (Start: 25 @17510 has 407 MA's), (35, 17543), (67, 17699), (68, 17705), (71, 17714), (81, 17780), (95, 17864), (111, 17966), (117, 18008),

Gene: Oline_22 Start: 17372, Stop: 17890, Start Num: 25
Candidate Starts for Oline_22:
(23, 17318), (Start: 25 @17372 has 407 MA's), (35, 17405), (67, 17561), (68, 17567), (71, 17576), (81, 17642), (95, 17726), (111, 17828), (117, 17870),

Gene: Olive_23 Start: 17799, Stop: 18317, Start Num: 25
Candidate Starts for Olive_23:
(23, 17745), (Start: 25 @17799 has 407 MA's), (35, 17832), (67, 17988), (68, 17994), (71, 18003), (81, 18069), (95, 18153), (111, 18255), (117, 18297),

Gene: OliverWalter_23 Start: 17815, Stop: 18333, Start Num: 25
Candidate Starts for OliverWalter_23:
(23, 17761), (Start: 25 @17815 has 407 MA's), (35, 17848), (67, 18004), (68, 18010), (71, 18019), (81, 18085), (95, 18169), (111, 18271), (117, 18313),

Gene: Olivio_23 Start: 18325, Stop: 18846, Start Num: 25
Candidate Starts for Olivio_23:
(Start: 25 @18325 has 407 MA's), (Start: 34 @18355 has 1 MA's), (40, 18373), (45, 18385), (61, 18490), (81, 18613), (83, 18619), (85, 18628), (95, 18697), (106, 18754),

Gene: Omniscient_23 Start: 17818, Stop: 18336, Start Num: 25
Candidate Starts for Omniscient_23:
(6, 17263), (7, 17317), (9, 17332), (10, 17341), (16, 17458), (18, 17500), (20, 17545), (23, 17764), (Start: 25 @17818 has 407 MA's), (35, 17851), (67, 18007), (68, 18013), (71, 18022), (81, 18088), (95, 18172), (111, 18274), (117, 18316),

Gene: OneBrain_23 Start: 17510, Stop: 18028, Start Num: 25
Candidate Starts for OneBrain_23:
(23, 17456), (Start: 25 @17510 has 407 MA's), (35, 17543), (67, 17699), (68, 17705), (71, 17714), (81, 17780), (95, 17864), (111, 17966), (117, 18008),

Gene: Oosterbaan_23 Start: 17810, Stop: 18328, Start Num: 25
Candidate Starts for Oosterbaan_23:
(6, 17255), (7, 17309), (9, 17324), (10, 17333), (16, 17450), (18, 17492), (20, 17537), (23, 17756), (Start: 25 @17810 has 407 MA's), (35, 17843), (67, 17999), (68, 18005), (71, 18014), (81, 18080), (95, 18164), (111, 18266), (117, 18308),

Gene: Opia_25 Start: 19912, Stop: 20472, Start Num: 24

Candidate Starts for Opia_25:
(Start: 22 @19750 has 2 MA's), (Start: 24 @19912 has 57 MA's), (Start: 27 @19930 has 11 MA's), (28, 19933), (35, 19960), (39, 19972), (54, 20044), (63, 20101), (68, 20137), (73, 20188), (79, 20221), (103, 20368), (116, 20446),

Gene: OrangeOswald_24 Start: 18476, Stop: 18997, Start Num: 25
Candidate Starts for OrangeOswald_24:
(Start: 25 @18476 has 407 MA's), (Start: 34 @18506 has 1 MA's), (40, 18524), (45, 18536), (61, 18641), (81, 18764), (83, 18770), (85, 18779), (95, 18848), (106, 18905),

Gene: Orfeu_22 Start: 17509, Stop: 18027, Start Num: 25
Candidate Starts for Orfeu_22:
(6, 16954), (7, 17008), (9, 17023), (10, 17032), (16, 17149), (18, 17191), (20, 17236), (23, 17455), (Start: 25 @17509 has 407 MA's), (35, 17542), (67, 17698), (68, 17704), (71, 17713), (81, 17779), (95, 17863), (111, 17965), (117, 18007),

Gene: Orion_23 Start: 17807, Stop: 18325, Start Num: 25
Candidate Starts for Orion_23:
(23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95, 18161), (111, 18263), (117, 18305),

Gene: Orwigg_22 Start: 17504, Stop: 18022, Start Num: 25
Candidate Starts for Orwigg_22:
(6, 16949), (7, 17003), (9, 17018), (10, 17027), (16, 17144), (18, 17186), (20, 17231), (23, 17450), (Start: 25 @17504 has 407 MA's), (35, 17537), (67, 17693), (68, 17699), (71, 17708), (81, 17774), (95, 17858), (111, 17960), (117, 18002),

Gene: PG1_23 Start: 17820, Stop: 18338, Start Num: 25
Candidate Starts for PG1_23:
(23, 17766), (Start: 25 @17820 has 407 MA's), (35, 17853), (67, 18009), (68, 18015), (71, 18024), (81, 18090), (95, 18174), (111, 18276), (117, 18318),

Gene: PR_17 Start: 17256, Stop: 17777, Start Num: 27
Candidate Starts for PR_17:
(23, 17202), (Start: 27 @17256 has 11 MA's), (42, 17307), (48, 17337), (50, 17349), (53, 17364), (54, 17370), (68, 17442), (74, 17496), (75, 17502), (77, 17517), (86, 17556), (89, 17574), (109, 17703), (110, 17712), (112, 17721), (117, 17757),

Gene: Pacifista_22 Start: 17511, Stop: 18029, Start Num: 25
Candidate Starts for Pacifista_22:
(6, 16956), (7, 17010), (9, 17025), (10, 17034), (16, 17151), (18, 17193), (20, 17238), (23, 17457), (Start: 25 @17511 has 407 MA's), (35, 17544), (67, 17700), (68, 17706), (71, 17715), (81, 17781), (95, 17865), (111, 17967), (117, 18009),

Gene: PallasAthena_22 Start: 17518, Stop: 18036, Start Num: 25
Candidate Starts for PallasAthena_22:
(6, 16963), (7, 17017), (9, 17032), (10, 17041), (16, 17158), (18, 17200), (20, 17245), (23, 17464), (Start: 25 @17518 has 407 MA's), (35, 17551), (67, 17707), (68, 17713), (71, 17722), (81, 17788), (95, 17872), (111, 17974), (117, 18016),

Gene: PenguinLover67_25 Start: 20039, Stop: 20563, Start Num: 25
Candidate Starts for PenguinLover67_25:

(16, 19676), (Start: 22 @19871 has 2 MA's), (Start: 25 @20039 has 407 MA's), (33, 20069), (Start: 34 @20072 has 1 MA's), (54, 20153), (68, 20237), (71, 20246), (81, 20315), (86, 20336), (88, 20351), (101, 20441), (113, 20525),

Gene: Phaedrus_22 Start: 18392, Stop: 18913, Start Num: 25
Candidate Starts for Phaedrus_22:
(Start: 25 @18392 has 407 MA's), (Start: 34 @18422 has 1 MA's), (40, 18440), (45, 18452), (61, 18557), (81, 18680), (83, 18686), (85, 18695), (95, 18764), (106, 18821),

Gene: Phamished_23 Start: 17815, Stop: 18333, Start Num: 25
Candidate Starts for Phamished_23:
(6, 17260), (7, 17314), (9, 17329), (10, 17338), (16, 17455), (18, 17497), (20, 17542), (23, 17761), (Start: 25 @17815 has 407 MA's), (35, 17848), (67, 18004), (68, 18010), (71, 18019), (81, 18085), (95, 18169), (111, 18271), (117, 18313),

Gene: Phantasmagoria_25 Start: 19908, Stop: 20468, Start Num: 24
Candidate Starts for Phantasmagoria_25:
(Start: 22 @19746 has 2 MA's), (Start: 24 @19908 has 57 MA's), (Start: 27 @19926 has 11 MA's), (28, 19929), (35, 19956), (39, 19968), (54, 20040), (63, 20097), (68, 20133), (73, 20184), (79, 20217), (103, 20364), (116, 20442),

Gene: Phareon_23 Start: 17515, Stop: 18033, Start Num: 25
Candidate Starts for Phareon_23:
(23, 17461), (Start: 25 @17515 has 407 MA's), (35, 17548), (67, 17704), (68, 17710), (71, 17719), (81, 17785), (95, 17869), (111, 17971), (117, 18013),

Gene: PhatCats2014_23 Start: 17825, Stop: 18343, Start Num: 25
Candidate Starts for PhatCats2014_23:
(6, 17270), (7, 17324), (9, 17339), (10, 17348), (16, 17465), (18, 17507), (20, 17552), (23, 17771), (Start: 25 @17825 has 407 MA's), (35, 17858), (67, 18014), (68, 18020), (71, 18029), (81, 18095), (95, 18179), (111, 18281), (117, 18323),

Gene: PhatLouie_23 Start: 17807, Stop: 18325, Start Num: 25
Candidate Starts for PhatLouie_23:
(2, 17201), (6, 17252), (7, 17306), (9, 17321), (10, 17330), (16, 17447), (18, 17489), (20, 17534), (23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95, 18161), (111, 18263), (117, 18305),

Gene: Phayeta_24 Start: 18352, Stop: 18873, Start Num: 25
Candidate Starts for Phayeta_24:
(Start: 25 @18352 has 407 MA's), (Start: 34 @18382 has 1 MA's), (40, 18400), (45, 18412), (61, 18517), (81, 18640), (83, 18646), (85, 18655), (95, 18724), (106, 18781),

Gene: Phelemich_23 Start: 18802, Stop: 19293, Start Num: 25
Candidate Starts for Phelemich_23:
(23, 18748), (Start: 25 @18802 has 407 MA's), (39, 18838), (42, 18847), (46, 18856), (54, 18889), (65, 18958), (68, 18973), (81, 19051), (86, 19072), (87, 19084), (91, 19099), (103, 19189), (113, 19255), (119, 19282),

Gene: PhenghisKhan_22 Start: 17366, Stop: 17884, Start Num: 25
Candidate Starts for PhenghisKhan_22:
(2, 16760), (6, 16811), (7, 16865), (9, 16880), (10, 16889), (16, 17006), (18, 17048), (20, 17093), (23, 17312), (Start: 25 @17366 has 407 MA's), (35, 17399), (67, 17555), (68, 17561), (71, 17570), (81,

17636), (95, 17720), (111, 17822), (117, 17864),

Gene: Pherdinand_23 Start: 17815, Stop: 18333, Start Num: 25
Candidate Starts for Pherdinand_23:
(6, 17260), (7, 17314), (9, 17329), (10, 17338), (16, 17455), (18, 17497), (20, 17542), (23, 17761), (Start: 25 @17815 has 407 MA's), (35, 17848), (67, 18004), (68, 18010), (71, 18019), (81, 18085), (95, 18169), (111, 18271), (117, 18313),

Gene: Phergie_22 Start: 17360, Stop: 17878, Start Num: 25
Candidate Starts for Phergie_22:
(2, 16754), (6, 16805), (7, 16859), (9, 16874), (10, 16883), (16, 17000), (18, 17042), (20, 17087), (23, 17306), (Start: 25 @17360 has 407 MA's), (35, 17393), (67, 17549), (68, 17555), (71, 17564), (81, 17630), (95, 17714), (111, 17816), (117, 17858),

Gene: Philly_23 Start: 18342, Stop: 18863, Start Num: 25
Candidate Starts for Philly_23:
(Start: 25 @18342 has 407 MA's), (Start: 34 @18372 has 1 MA's), (40, 18390), (45, 18402), (61, 18507), (81, 18630), (83, 18636), (85, 18645), (95, 18714), (106, 18771),

Gene: Phipps_23 Start: 17785, Stop: 18303, Start Num: 25
Candidate Starts for Phipps_23:
(6, 17230), (7, 17284), (9, 17299), (10, 17308), (16, 17425), (18, 17467), (20, 17512), (23, 17731), (Start: 25 @17785 has 407 MA's), (35, 17818), (67, 17974), (68, 17980), (71, 17989), (81, 18055), (95, 18139), (111, 18241), (117, 18283),

Gene: Phleuron_22 Start: 17366, Stop: 17884, Start Num: 25
Candidate Starts for Phleuron_22:
(2, 16760), (6, 16811), (7, 16865), (9, 16880), (10, 16889), (16, 17006), (18, 17048), (20, 17093), (23, 17312), (Start: 25 @17366 has 407 MA's), (35, 17399), (67, 17555), (68, 17561), (71, 17570), (81, 17636), (95, 17720), (111, 17822), (117, 17864),

Gene: Phlyer_24 Start: 19211, Stop: 19732, Start Num: 25
Candidate Starts for Phlyer_24:
(Start: 25 @19211 has 407 MA's), (Start: 34 @19241 has 1 MA's), (40, 19259), (45, 19271), (61, 19376), (81, 19499), (83, 19505), (85, 19514), (95, 19583), (106, 19640),

Gene: PhrankReynolds_22 Start: 17366, Stop: 17884, Start Num: 25
Candidate Starts for PhrankReynolds_22:
(2, 16760), (6, 16811), (7, 16865), (9, 16880), (10, 16889), (16, 17006), (18, 17048), (20, 17093), (23, 17312), (Start: 25 @17366 has 407 MA's), (35, 17399), (67, 17555), (68, 17561), (71, 17570), (81, 17636), (95, 17720), (111, 17822), (117, 17864),

Gene: PhrodoBaggins_22 Start: 17803, Stop: 18321, Start Num: 25
Candidate Starts for PhrodoBaggins_22:
(6, 17248), (7, 17302), (9, 17317), (10, 17326), (16, 17443), (18, 17485), (20, 17530), (23, 17749), (Start: 25 @17803 has 407 MA's), (35, 17836), (67, 17992), (68, 17998), (71, 18007), (81, 18073), (95, 18157), (111, 18259), (117, 18301),

Gene: Phunky_23 Start: 17809, Stop: 18327, Start Num: 25
Candidate Starts for Phunky_23:
(6, 17254), (7, 17308), (9, 17323), (10, 17332), (16, 17449), (18, 17491), (20, 17536), (23, 17755), (Start: 25 @17809 has 407 MA's), (35, 17842), (67, 17998), (68, 18004), (71, 18013), (81, 18079), (95, 18163), (111, 18265), (117, 18307),

Gene: Piglet_0022 Start: 17809, Stop: 18327, Start Num: 25
Candidate Starts for Piglet_0022:
(23, 17755), (Start: 25 @17809 has 407 MA's), (35, 17842), (67, 17998), (68, 18004), (71, 18013), (81, 18079), (95, 18163), (111, 18265), (117, 18307),

Gene: Pine5_23 Start: 18642, Stop: 19172, Start Num: 25
Candidate Starts for Pine5_23:
(Start: 25 @18642 has 407 MA's), (30, 18654), (54, 18747), (70, 18843), (85, 18924), (100, 19035), (104, 19056),

Gene: PinheadLarry_23 Start: 17526, Stop: 18044, Start Num: 25
Candidate Starts for PinheadLarry_23:
(23, 17472), (Start: 25 @17526 has 407 MA's), (35, 17559), (67, 17715), (68, 17721), (71, 17730), (81, 17796), (95, 17880), (111, 17982), (117, 18024),

Gene: Pinkman_22 Start: 17366, Stop: 17884, Start Num: 25
Candidate Starts for Pinkman_22:
(2, 16760), (6, 16811), (7, 16865), (9, 16880), (10, 16889), (16, 17006), (18, 17048), (20, 17093), (23, 17312), (Start: 25 @17366 has 407 MA's), (35, 17399), (67, 17555), (68, 17561), (71, 17570), (81, 17636), (95, 17720), (111, 17822), (117, 17864),

Gene: Pipefish_24 Start: 19358, Stop: 19879, Start Num: 25
Candidate Starts for Pipefish_24:
(Start: 25 @19358 has 407 MA's), (Start: 34 @19388 has 1 MA's), (40, 19406), (61, 19523), (81, 19646), (83, 19652), (85, 19661), (95, 19730), (106, 19787),

Gene: Pipsqueak_23 Start: 17815, Stop: 18333, Start Num: 25
Candidate Starts for Pipsqueak_23:
(23, 17761), (Start: 25 @17815 has 407 MA's), (35, 17848), (67, 18004), (68, 18010), (71, 18019), (81, 18085), (95, 18169), (111, 18271), (117, 18313),

Gene: Placalicious_22 Start: 17508, Stop: 18026, Start Num: 25
Candidate Starts for Placalicious_22:
(6, 16953), (7, 17007), (9, 17022), (10, 17031), (16, 17148), (18, 17190), (20, 17235), (23, 17454), (Start: 25 @17508 has 407 MA's), (35, 17541), (67, 17697), (68, 17703), (71, 17712), (81, 17778), (95, 17862), (111, 17964), (117, 18006),

Gene: Plata_22 Start: 17522, Stop: 18040, Start Num: 25
Candidate Starts for Plata_22:
(23, 17468), (Start: 25 @17522 has 407 MA's), (35, 17555), (67, 17711), (68, 17717), (71, 17726), (81, 17792), (95, 17876), (111, 17978), (117, 18020),

Gene: Plmatters_23 Start: 17812, Stop: 18330, Start Num: 25
Candidate Starts for Plmatters_23:
(6, 17257), (7, 17311), (9, 17326), (10, 17335), (16, 17452), (18, 17494), (20, 17539), (23, 17758), (Start: 25 @17812 has 407 MA's), (35, 17845), (67, 18001), (68, 18007), (71, 18016), (81, 18082), (95, 18166), (111, 18268), (117, 18310),

Gene: Podrick_23 Start: 17804, Stop: 18322, Start Num: 25
Candidate Starts for Podrick_23:
(6, 17249), (7, 17303), (9, 17318), (10, 17327), (16, 17444), (18, 17486), (20, 17531), (23, 17750), (Start: 25 @17804 has 407 MA's), (35, 17837), (67, 17993), (68, 17999), (71, 18008), (81, 18074), (95,

18158), (111, 18260), (117, 18302),

Gene: Pops_23 Start: 17812, Stop: 18330, Start Num: 25
Candidate Starts for Pops_23:
(6, 17257), (7, 17311), (9, 17326), (10, 17335), (16, 17452), (18, 17494), (20, 17539), (23, 17758), (Start: 25 @17812 has 407 MA's), (35, 17845), (67, 18001), (68, 18007), (71, 18016), (81, 18082), (95, 18166), (111, 18268), (117, 18310),

Gene: Poster_20 Start: 17403, Stop: 17933, Start Num: 25
Candidate Starts for Poster_20:
(8, 16914), (14, 16947), (Start: 22 @17235 has 2 MA's), (Start: 25 @17403 has 407 MA's), (32, 17433), (50, 17502), (68, 17607), (72, 17637), (74, 17655), (82, 17688), (84, 17694), (86, 17706), (88, 17721), (96, 17775), (108, 17853),

Gene: Potter_22 Start: 17522, Stop: 18040, Start Num: 25
Candidate Starts for Potter_22:
(23, 17468), (Start: 25 @17522 has 407 MA's), (35, 17555), (67, 17711), (68, 17717), (71, 17726), (81, 17792), (95, 17876), (111, 17978), (117, 18020),

Gene: Prickles_23 Start: 17801, Stop: 18319, Start Num: 25
Candidate Starts for Prickles_23:
(23, 17747), (Start: 25 @17801 has 407 MA's), (35, 17834), (67, 17990), (68, 17996), (71, 18005), (81, 18071), (95, 18155), (111, 18257), (117, 18299),

Gene: Prince_21 Start: 18595, Stop: 19125, Start Num: 25
Candidate Starts for Prince_21:
(Start: 22 @18427 has 2 MA's), (Start: 25 @18595 has 407 MA's), (32, 18625), (50, 18694), (68, 18799), (72, 18829), (74, 18847), (82, 18880), (84, 18886), (86, 18898), (88, 18913), (96, 18967), (100, 18997), (108, 19045),

Gene: PrinceCharming_25 Start: 20028, Stop: 20588, Start Num: 24
Candidate Starts for PrinceCharming_25:
(Start: 22 @19866 has 2 MA's), (Start: 24 @20028 has 57 MA's), (Start: 27 @20046 has 11 MA's), (28, 20049), (35, 20076), (39, 20088), (54, 20160), (63, 20217), (68, 20253), (73, 20304), (79, 20337), (103, 20484), (116, 20562),

Gene: ProfessorX_23 Start: 17799, Stop: 18317, Start Num: 25
Candidate Starts for ProfessorX_23:
(23, 17745), (Start: 25 @17799 has 407 MA's), (35, 17832), (67, 17988), (68, 17994), (71, 18003), (81, 18069), (95, 18153), (111, 18255), (117, 18297),

Gene: Puhltonio_23 Start: 17815, Stop: 18333, Start Num: 25
Candidate Starts for Puhltonio_23:
(6, 17260), (7, 17314), (9, 17329), (10, 17338), (16, 17455), (18, 17497), (20, 17542), (23, 17761), (Start: 25 @17815 has 407 MA's), (35, 17848), (67, 18004), (68, 18010), (71, 18019), (81, 18085), (95, 18169), (111, 18271), (117, 18313),

Gene: QueenBeane_23 Start: 17807, Stop: 18325, Start Num: 25
Candidate Starts for QueenBeane_23:
(23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95, 18161), (111, 18263), (117, 18305),

Gene: QueenPie_20 Start: 18601, Stop: 19131, Start Num: 25

Candidate Starts for QueenPie_20:
(Start: 22 @18433 has 2 MA's), (Start: 25 @18601 has 407 MA's), (32, 18631), (38, 18649), (50, 18700), (68, 18805), (72, 18835), (74, 18853), (81, 18883), (82, 18886), (84, 18892), (86, 18904), (88, 18919), (96, 18973), (108, 19051),

Gene: Quesadilla_24 Start: 19939, Stop: 20463, Start Num: 25
Candidate Starts for Quesadilla_24:
(4, 19366), (14, 19480), (18, 19618), (Start: 22 @19771 has 2 MA's), (Start: 25 @19939 has 407 MA's), (54, 20053), (71, 20146), (81, 20215), (88, 20251), (97, 20311), (101, 20341), (108, 20383), (113, 20425),

Gene: Quisquiliae_23 Start: 17822, Stop: 18340, Start Num: 25
Candidate Starts for Quisquiliae_23:
(6, 17267), (7, 17321), (9, 17336), (10, 17345), (16, 17462), (18, 17504), (20, 17549), (23, 17768), (Start: 25 @17822 has 407 MA's), (35, 17855), (67, 18011), (68, 18017), (71, 18026), (81, 18092), (95, 18176), (111, 18278), (117, 18320),

Gene: Qyrzula_23 Start: 19836, Stop: 20558, Start Num: 22
Candidate Starts for Qyrzula_23:
(Start: 22 @19836 has 2 MA's), (Start: 24 @19998 has 57 MA's), (Start: 27 @20016 has 11 MA's), (28, 20019), (35, 20046), (39, 20058), (54, 20130), (63, 20187), (68, 20223), (73, 20274), (79, 20307), (103, 20454), (116, 20532),

Gene: RagingRooster_24 Start: 18477, Stop: 18998, Start Num: 25
Candidate Starts for RagingRooster_24:
(Start: 25 @18477 has 407 MA's), (Start: 34 @18507 has 1 MA's), (61, 18642), (81, 18765), (83, 18771), (85, 18780), (95, 18849), (106, 18906),

Gene: RawrgerThat_21 Start: 18432, Stop: 18962, Start Num: 25
Candidate Starts for RawrgerThat_21:
(Start: 22 @18264 has 2 MA's), (Start: 25 @18432 has 407 MA's), (32, 18462), (50, 18531), (68, 18636), (72, 18666), (74, 18684), (82, 18717), (84, 18723), (86, 18735), (88, 18750), (96, 18804), (100, 18834), (108, 18882),

Gene: Reccee_23 Start: 18735, Stop: 19226, Start Num: 25
Candidate Starts for Reccee_23:
(23, 18681), (Start: 25 @18735 has 407 MA's), (39, 18771), (42, 18780), (54, 18822), (68, 18906), (81, 18984), (86, 19005), (87, 19017), (89, 19023), (113, 19188),

Gene: RedMaple_22 Start: 17818, Stop: 18336, Start Num: 25
Candidate Starts for RedMaple_22:
(23, 17764), (Start: 25 @17818 has 407 MA's), (35, 17851), (67, 18007), (68, 18013), (71, 18022), (81, 18088), (95, 18172), (111, 18274), (117, 18316),

Gene: RedRaider89_24 Start: 18038, Stop: 18556, Start Num: 25
Candidate Starts for RedRaider89_24:
(23, 17984), (Start: 25 @18038 has 407 MA's), (35, 18071), (67, 18227), (68, 18233), (71, 18242), (81, 18308), (95, 18392), (111, 18494), (117, 18536),

Gene: Renkei_20 Start: 17410, Stop: 17940, Start Num: 25
Candidate Starts for Renkei_20:
(Start: 22 @17242 has 2 MA's), (Start: 25 @17410 has 407 MA's), (32, 17440), (50, 17509), (68, 17614), (72, 17644), (74, 17662), (82, 17695), (84, 17701), (86, 17713), (88, 17728), (96, 17782), (108,

17860),

Gene: Reprobate_23 Start: 18807, Stop: 19298, Start Num: 25
Candidate Starts for Reprobate_23:
(23, 18753), (Start: 25 @18807 has 407 MA's), (39, 18843), (42, 18852), (46, 18861), (54, 18894), (65, 18963), (68, 18978), (81, 19056), (86, 19077), (87, 19089), (91, 19104), (103, 19194), (113, 19260), (119, 19287),

Gene: Rhinoforte_25 Start: 20029, Stop: 20589, Start Num: 24
Candidate Starts for Rhinoforte_25:
(Start: 22 @19867 has 2 MA's), (Start: 24 @20029 has 57 MA's), (Start: 27 @20047 has 11 MA's), (35, 20077), (39, 20089), (54, 20161), (63, 20218), (68, 20254), (73, 20305), (79, 20338), (103, 20485), (116, 20563),

Gene: Rich_22 Start: 18309, Stop: 18800, Start Num: 25
Candidate Starts for Rich_22:
(11, 17835), (13, 17841), (15, 17853), (17, 17949), (19, 17991), (23, 18255), (Start: 25 @18309 has 407 MA's), (39, 18345), (42, 18354), (54, 18396), (68, 18480), (81, 18558), (86, 18579), (87, 18591), (89, 18597), (103, 18696), (113, 18762),

Gene: Ricotta_22 Start: 17530, Stop: 18048, Start Num: 25
Candidate Starts for Ricotta_22:
(6, 16975), (7, 17029), (9, 17044), (10, 17053), (16, 17170), (18, 17212), (20, 17257), (23, 17476), (Start: 25 @17530 has 407 MA's), (35, 17563), (67, 17719), (68, 17725), (71, 17734), (81, 17800), (95, 17884), (111, 17986), (117, 18028),

Gene: Riggan_23 Start: 17790, Stop: 18308, Start Num: 25
Candidate Starts for Riggan_23:
(6, 17235), (7, 17289), (9, 17304), (10, 17313), (16, 17430), (18, 17472), (20, 17517), (23, 17736), (Start: 25 @17790 has 407 MA's), (35, 17823), (67, 17979), (68, 17985), (71, 17994), (81, 18060), (95, 18144), (111, 18246), (117, 18288),

Gene: Rimu_23 Start: 17519, Stop: 18037, Start Num: 25
Candidate Starts for Rimu_23:
(2, 16913), (6, 16964), (7, 17018), (9, 17033), (10, 17042), (16, 17159), (18, 17201), (20, 17246), (23, 17465), (Start: 25 @17519 has 407 MA's), (35, 17552), (67, 17708), (68, 17714), (71, 17723), (81, 17789), (95, 17873), (111, 17975), (117, 18017),

Gene: Rinkes_26 Start: 20820, Stop: 21332, Start Num: 25
Candidate Starts for Rinkes_26:
(Start: 25 @20820 has 407 MA's), (38, 20862), (39, 20865), (52, 20916), (68, 21003), (84, 21090), (86, 21102), (89, 21120), (96, 21171), (101, 21207), (102, 21210), (111, 21267), (113, 21291),

Gene: Rita130_23 Start: 18555, Stop: 19046, Start Num: 25
Candidate Starts for Rita130_23:
(23, 18501), (Start: 25 @18555 has 407 MA's), (39, 18591), (42, 18600), (54, 18642), (68, 18726), (81, 18804), (86, 18825), (87, 18837), (89, 18843), (113, 19008),

Gene: Rita1961_24 Start: 18472, Stop: 18993, Start Num: 25
Candidate Starts for Rita1961_24:
(Start: 25 @18472 has 407 MA's), (Start: 34 @18502 has 1 MA's), (40, 18520), (45, 18532), (61, 18637), (81, 18760), (83, 18766), (85, 18775), (95, 18844), (106, 18901),

Gene: Riverton_23 Start: 17814, Stop: 18332, Start Num: 25
Candidate Starts for Riverton_23:
(23, 17760), (Start: 25 @17814 has 407 MA's), (35, 17847), (67, 18003), (68, 18009), (71, 18018), (81, 18084), (95, 18168), (111, 18270), (117, 18312),

Gene: Robyn_22 Start: 17381, Stop: 17899, Start Num: 25
Candidate Starts for Robyn_22:
(23, 17327), (Start: 25 @17381 has 407 MA's), (35, 17414), (67, 17570), (68, 17576), (71, 17585), (81, 17651), (95, 17735), (111, 17837), (117, 17879),

Gene: Roliet_23 Start: 17806, Stop: 18324, Start Num: 25
Candidate Starts for Roliet_23:
(23, 17752), (Start: 25 @17806 has 407 MA's), (35, 17839), (67, 17995), (68, 18001), (71, 18010), (81, 18076), (95, 18160), (111, 18262), (117, 18304),

Gene: RomaT_24 Start: 19256, Stop: 19780, Start Num: 25
Candidate Starts for RomaT_24:
(Start: 25 @19256 has 407 MA's), (Start: 34 @19289 has 1 MA's), (40, 19307), (61, 19424), (81, 19547), (83, 19553), (85, 19562), (95, 19631), (106, 19688),

Gene: Roscoe_24 Start: 18048, Stop: 18566, Start Num: 25
Candidate Starts for Roscoe_24:
(23, 17994), (Start: 25 @18048 has 407 MA's), (35, 18081), (67, 18237), (68, 18243), (71, 18252), (81, 18318), (95, 18402), (111, 18504), (117, 18546),

Gene: Rosebush_25 Start: 20029, Stop: 20589, Start Num: 24
Candidate Starts for Rosebush_25:
(Start: 22 @19867 has 2 MA's), (Start: 24 @20029 has 57 MA's), (Start: 27 @20047 has 11 MA's), (28, 20050), (35, 20077), (39, 20089), (54, 20161), (63, 20218), (68, 20254), (73, 20305), (79, 20338), (103, 20485), (116, 20563),

Gene: Roy17_23 Start: 17510, Stop: 18028, Start Num: 25
Candidate Starts for Roy17_23:
(6, 16955), (7, 17009), (9, 17024), (10, 17033), (16, 17150), (18, 17192), (20, 17237), (23, 17456), (Start: 25 @17510 has 407 MA's), (35, 17543), (67, 17699), (68, 17705), (71, 17714), (81, 17780), (95, 17864), (111, 17966), (117, 18008),

Gene: SDcharge11_23 Start: 17788, Stop: 18306, Start Num: 25
Candidate Starts for SDcharge11_23:
(23, 17734), (Start: 25 @17788 has 407 MA's), (35, 17821), (67, 17977), (68, 17983), (71, 17992), (81, 18058), (95, 18142), (111, 18244), (117, 18286),

Gene: Sabella_25 Start: 19915, Stop: 20475, Start Num: 24
Candidate Starts for Sabella_25:
(Start: 22 @19753 has 2 MA's), (Start: 24 @19915 has 57 MA's), (Start: 27 @19933 has 11 MA's), (28, 19936), (35, 19963), (39, 19975), (54, 20047), (63, 20104), (68, 20140), (73, 20191), (79, 20224), (103, 20371), (116, 20449),

Gene: Saguaro_24 Start: 19845, Stop: 20369, Start Num: 25
Candidate Starts for Saguaro_24:
(23, 19791), (Start: 25 @19845 has 407 MA's), (39, 19896), (67, 20043), (68, 20049), (71, 20058), (76, 20106), (81, 20127), (84, 20136), (86, 20148), (88, 20163), (89, 20166), (97, 20223), (100, 20247), (101, 20253), (104, 20268),

Gene: Salazzle_23 Start: 17380, Stop: 17898, Start Num: 25
Candidate Starts for Salazzle_23:
(23, 17326), (Start: 25 @17380 has 407 MA's), (35, 17413), (67, 17569), (68, 17575), (71, 17584), (81, 17650), (95, 17734), (111, 17836), (117, 17878),

Gene: SallyH_23 Start: 17820, Stop: 18338, Start Num: 25
Candidate Starts for SallyH_23:
(6, 17265), (7, 17319), (9, 17334), (10, 17343), (16, 17460), (18, 17502), (20, 17547), (23, 17766), (Start: 25 @17820 has 407 MA's), (35, 17853), (67, 18009), (68, 18015), (71, 18024), (81, 18090), (95, 18174), (111, 18276), (117, 18318),

Gene: Samaymay_23 Start: 17807, Stop: 18325, Start Num: 25
Candidate Starts for Samaymay_23:
(23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95, 18161), (111, 18263), (117, 18305),

Gene: SassyCat97_22 Start: 17516, Stop: 18034, Start Num: 25
Candidate Starts for SassyCat97_22:
(6, 16961), (7, 17015), (9, 17030), (10, 17039), (16, 17156), (18, 17198), (20, 17243), (23, 17462), (Start: 25 @17516 has 407 MA's), (35, 17549), (67, 17705), (68, 17711), (71, 17720), (81, 17786), (95, 17870), (111, 17972), (117, 18014),

Gene: Schadenfreude_22 Start: 17364, Stop: 17882, Start Num: 25
Candidate Starts for Schadenfreude_22:
(6, 16809), (7, 16863), (9, 16878), (10, 16887), (16, 17004), (18, 17046), (20, 17091), (23, 17310), (Start: 25 @17364 has 407 MA's), (35, 17397), (67, 17553), (68, 17559), (71, 17568), (81, 17634), (95, 17718), (111, 17820), (117, 17862),

Gene: Schueller_22 Start: 17507, Stop: 18025, Start Num: 25
Candidate Starts for Schueller_22:
(2, 16901), (6, 16952), (7, 17006), (9, 17021), (10, 17030), (16, 17147), (18, 17189), (20, 17234), (23, 17453), (Start: 25 @17507 has 407 MA's), (35, 17540), (67, 17696), (68, 17702), (71, 17711), (81, 17777), (95, 17861), (111, 17963), (117, 18005),

Gene: Scoot17C_23 Start: 17809, Stop: 18327, Start Num: 25
Candidate Starts for Scoot17C_23:
(23, 17755), (Start: 25 @17809 has 407 MA's), (35, 17842), (67, 17998), (68, 18004), (71, 18013), (81, 18079), (95, 18163), (111, 18265), (117, 18307),

Gene: Scrick_23 Start: 17534, Stop: 18052, Start Num: 25
Candidate Starts for Scrick_23:
(6, 16979), (7, 17033), (9, 17048), (10, 17057), (16, 17174), (18, 17216), (20, 17261), (23, 17480), (Start: 25 @17534 has 407 MA's), (35, 17567), (67, 17723), (68, 17729), (71, 17738), (81, 17804), (95, 17888), (111, 17990), (117, 18032),

Gene: Sejanus_20 Start: 16761, Stop: 17306, Start Num: 27
Candidate Starts for Sejanus_20:
(21, 16575), (Start: 22 @16596 has 2 MA's), (23, 16707), (Start: 24 @16758 has 57 MA's), (Start: 27 @16761 has 11 MA's), (42, 16812), (48, 16842), (54, 16875), (57, 16902), (59, 16914), (64, 16944), (68, 16971), (78, 17055), (79, 17058), (86, 17085), (89, 17103), (117, 17286),

Gene: Selr12_23 Start: 17531, Stop: 18049, Start Num: 25

Candidate Starts for Selr12_23:
(6, 16976), (7, 17030), (9, 17045), (10, 17054), (16, 17171), (18, 17213), (20, 17258), (23, 17477), (Start: 25 @17531 has 407 MA's), (35, 17564), (67, 17720), (68, 17726), (71, 17735), (81, 17801), (95, 17885), (111, 17987), (117, 18029),

Gene: Septica_22 Start: 17817, Stop: 18335, Start Num: 25
Candidate Starts for Septica_22:
(23, 17763), (Start: 25 @17817 has 407 MA's), (35, 17850), (67, 18006), (68, 18012), (71, 18021), (81, 18087), (95, 18171), (111, 18273), (117, 18315),

Gene: Serendipitous_22 Start: 18365, Stop: 18856, Start Num: 25
Candidate Starts for Serendipitous_22:
(23, 18311), (Start: 25 @18365 has 407 MA's), (39, 18401), (42, 18410), (54, 18452), (68, 18536), (87, 18647), (91, 18662), (103, 18752), (113, 18818),

Gene: Serendipity_23 Start: 17829, Stop: 18347, Start Num: 25
Candidate Starts for Serendipity_23:
(23, 17775), (Start: 25 @17829 has 407 MA's), (35, 17862), (67, 18018), (68, 18024), (71, 18033), (81, 18099), (95, 18183), (111, 18285), (117, 18327),

Gene: Serpentine_0023 Start: 17809, Stop: 18327, Start Num: 25
Candidate Starts for Serpentine_0023:
(23, 17755), (Start: 25 @17809 has 407 MA's), (35, 17842), (67, 17998), (68, 18004), (71, 18013), (81, 18079), (95, 18163), (111, 18265), (117, 18307),

Gene: ShadowBud_23 Start: 17822, Stop: 18340, Start Num: 25
Candidate Starts for ShadowBud_23:
(6, 17267), (7, 17321), (9, 17336), (10, 17345), (16, 17462), (18, 17504), (20, 17549), (23, 17768), (Start: 25 @17822 has 407 MA's), (35, 17855), (67, 18011), (68, 18017), (71, 18026), (81, 18092), (95, 18176), (111, 18278), (117, 18320),

Gene: Shatter_20 Start: 16345, Stop: 16893, Start Num: 25
Candidate Starts for Shatter_20:
(20, 16072), (21, 16159), (Start: 22 @16177 has 2 MA's), (23, 16291), (Start: 25 @16345 has 407 MA's), (28, 16363), (42, 16411), (81, 16636), (86, 16657), (88, 16672), (113, 16852), (115, 16861),

Gene: Sheila_23 Start: 17801, Stop: 18319, Start Num: 25
Candidate Starts for Sheila_23:
(23, 17747), (Start: 25 @17801 has 407 MA's), (35, 17834), (67, 17990), (68, 17996), (71, 18005), (81, 18071), (95, 18155), (111, 18257), (117, 18299),

Gene: Shenandoah_24 Start: 18455, Stop: 18976, Start Num: 25
Candidate Starts for Shenandoah_24:
(Start: 25 @18455 has 407 MA's), (Start: 34 @18485 has 1 MA's), (40, 18503), (45, 18515), (61, 18620), (81, 18743), (83, 18749), (85, 18758), (95, 18827), (106, 18884),

Gene: Shenyu_23 Start: 18505, Stop: 18996, Start Num: 25
Candidate Starts for Shenyu_23:
(23, 18451), (Start: 25 @18505 has 407 MA's), (39, 18541), (42, 18550), (54, 18592), (68, 18676), (81, 18754), (86, 18775), (87, 18787), (104, 18895), (113, 18958),

Gene: ShiVal_23 Start: 17801, Stop: 18319, Start Num: 25
Candidate Starts for ShiVal_23:

(6, 17246), (7, 17300), (9, 17315), (10, 17324), (16, 17441), (18, 17483), (20, 17528), (23, 17747), (Start: 25 @17801 has 407 MA's), (35, 17834), (67, 17990), (68, 17996), (71, 18005), (81, 18071), (95, 18155), (111, 18257), (117, 18299),

Gene: Sigman_23 Start: 17800, Stop: 18318, Start Num: 25
Candidate Starts for Sigman_23:
(6, 17245), (7, 17299), (9, 17314), (10, 17323), (16, 17440), (18, 17482), (20, 17527), (23, 17746), (Start: 25 @17800 has 407 MA's), (35, 17833), (67, 17989), (68, 17995), (71, 18004), (81, 18070), (95, 18154), (111, 18256), (117, 18298),

Gene: SilverBell_23 Start: 17824, Stop: 18342, Start Num: 25
Candidate Starts for SilverBell_23:
(6, 17269), (7, 17323), (9, 17338), (10, 17347), (16, 17464), (18, 17506), (20, 17551), (23, 17770), (Start: 25 @17824 has 407 MA's), (35, 17857), (67, 18013), (68, 18019), (71, 18028), (81, 18094), (95, 18178), (111, 18280), (117, 18322),

Gene: Simielle_22 Start: 17499, Stop: 18017, Start Num: 25
Candidate Starts for Simielle_22:
(23, 17445), (Start: 25 @17499 has 407 MA's), (35, 17532), (67, 17688), (68, 17694), (71, 17703), (81, 17769), (95, 17853), (111, 17955), (117, 17997),

Gene: SirBeauregard_22 Start: 17476, Stop: 17994, Start Num: 25
Candidate Starts for SirBeauregard_22:
(6, 16921), (7, 16975), (9, 16990), (10, 16999), (16, 17116), (18, 17158), (20, 17203), (23, 17422), (Start: 25 @17476 has 407 MA's), (35, 17509), (67, 17665), (68, 17671), (71, 17680), (81, 17746), (95, 17830), (111, 17932), (117, 17974),

Gene: SirJeffery_23 Start: 18547, Stop: 19038, Start Num: 25
Candidate Starts for SirJeffery_23:
(23, 18493), (Start: 25 @18547 has 407 MA's), (39, 18583), (42, 18592), (54, 18634), (68, 18718), (81, 18796), (86, 18817), (87, 18829), (89, 18835), (103, 18934), (113, 19000),

Gene: Sisko_20 Start: 16623, Stop: 17171, Start Num: 25
Candidate Starts for Sisko_20:
(21, 16437), (Start: 22 @16455 has 2 MA's), (23, 16569), (Start: 24 @16620 has 57 MA's), (Start: 25 @16623 has 407 MA's), (42, 16689), (82, 16917), (86, 16935), (88, 16950), (111, 17106), (113, 17130), (115, 17139),

Gene: Skippy_23 Start: 17794, Stop: 18312, Start Num: 25
Candidate Starts for Skippy_23:
(6, 17239), (7, 17293), (9, 17308), (10, 17317), (16, 17434), (18, 17476), (20, 17521), (23, 17740), (Start: 25 @17794 has 407 MA's), (35, 17827), (67, 17983), (68, 17989), (71, 17998), (81, 18064), (95, 18148), (111, 18250), (117, 18292),

Gene: Slatt_23 Start: 17823, Stop: 18341, Start Num: 25
Candidate Starts for Slatt_23:
(6, 17268), (7, 17322), (9, 17337), (10, 17346), (16, 17463), (18, 17505), (20, 17550), (23, 17769), (Start: 25 @17823 has 407 MA's), (35, 17856), (67, 18012), (68, 18018), (71, 18027), (81, 18093), (95, 18177), (111, 18279), (117, 18321),

Gene: SlippinJimmy_24 Start: 19241, Stop: 19762, Start Num: 25
Candidate Starts for SlippinJimmy_24:

(Start: 25 @19241 has 407 MA's), (Start: 34 @19271 has 1 MA's), (40, 19289), (45, 19301), (61, 19406), (81, 19529), (83, 19535), (85, 19544), (95, 19613), (106, 19670),

Gene: Soile_23 Start: 17521, Stop: 18039, Start Num: 25
Candidate Starts for Soile_23:
(6, 16966), (7, 17020), (9, 17035), (10, 17044), (16, 17161), (18, 17203), (20, 17248), (23, 17467), (Start: 25 @17521 has 407 MA's), (35, 17554), (67, 17710), (68, 17716), (71, 17725), (81, 17791), (95, 17875), (111, 17977), (117, 18019),

Gene: Solosis_22 Start: 17526, Stop: 18044, Start Num: 25
Candidate Starts for Solosis_22:
(23, 17472), (Start: 25 @17526 has 407 MA's), (35, 17559), (67, 17715), (68, 17721), (71, 17730), (81, 17796), (95, 17880), (111, 17982), (117, 18024),

Gene: Sophia_22 Start: 17519, Stop: 18037, Start Num: 25
Candidate Starts for Sophia_22:
(6, 16964), (7, 17018), (9, 17033), (10, 17042), (16, 17159), (18, 17201), (20, 17246), (23, 17465), (Start: 25 @17519 has 407 MA's), (35, 17552), (67, 17708), (68, 17714), (71, 17723), (81, 17789), (95, 17873), (111, 17975), (117, 18017),

Gene: Soto_23 Start: 17803, Stop: 18321, Start Num: 25
Candidate Starts for Soto_23:
(23, 17749), (Start: 25 @17803 has 407 MA's), (35, 17836), (67, 17992), (68, 17998), (71, 18007), (81, 18073), (95, 18157), (111, 18259), (117, 18301),

Gene: Sour_24 Start: 20334, Stop: 20882, Start Num: 24
Candidate Starts for Sour_24:
(23, 20283), (Start: 24 @20334 has 57 MA's), (Start: 34 @20376 has 1 MA's), (39, 20391), (42, 20400), (54, 20460), (68, 20547), (71, 20556), (81, 20625), (86, 20646), (88, 20661), (113, 20841), (115, 20850),

Gene: Spartan300_23 Start: 17804, Stop: 18322, Start Num: 25
Candidate Starts for Spartan300_23:
(23, 17750), (Start: 25 @17804 has 407 MA's), (35, 17837), (67, 17993), (68, 17999), (71, 18008), (81, 18074), (95, 18158), (111, 18260), (117, 18302),

Gene: Squid_23 Start: 17516, Stop: 18034, Start Num: 25
Candidate Starts for Squid_23:
(6, 16961), (7, 17015), (9, 17030), (10, 17039), (16, 17156), (18, 17198), (20, 17243), (23, 17462), (Start: 25 @17516 has 407 MA's), (35, 17549), (67, 17705), (68, 17711), (71, 17720), (81, 17786), (95, 17870), (111, 17972), (117, 18014),

Gene: Squiggle_23 Start: 17513, Stop: 18031, Start Num: 25
Candidate Starts for Squiggle_23:
(6, 16958), (7, 17012), (9, 17027), (10, 17036), (16, 17153), (18, 17195), (20, 17240), (23, 17459), (Start: 25 @17513 has 407 MA's), (35, 17546), (67, 17702), (68, 17708), (71, 17717), (81, 17783), (95, 17867), (111, 17969), (117, 18011),

Gene: StAugustine_27 Start: 20865, Stop: 21398, Start Num: 24
Candidate Starts for StAugustine_27:
(Start: 24 @20865 has 57 MA's), (42, 20922), (49, 20955), (68, 21075), (95, 21246), (105, 21303), (108, 21318), (111, 21336),

Gene: Stinger_19 Start: 16960, Stop: 17490, Start Num: 25
Candidate Starts for Stinger_19:
(1, 16342), (3, 16363), (5, 16393), (8, 16471), (12, 16492), (Start: 22 @16792 has 2 MA's), (Start: 25 @16960 has 407 MA's), (32, 16990), (50, 17059), (62, 17131), (74, 17212), (81, 17242), (84, 17251), (86, 17263), (88, 17278), (96, 17332), (98, 17350), (100, 17362), (108, 17410),

Gene: StinkyVeggy_25 Start: 18677, Stop: 19168, Start Num: 25
Candidate Starts for StinkyVeggy_25:
(23, 18623), (Start: 25 @18677 has 407 MA's), (38, 18710), (39, 18713), (42, 18722), (68, 18848), (81, 18926), (86, 18947), (87, 18959), (104, 19067), (113, 19130),

Gene: Struggle_22 Start: 17360, Stop: 17878, Start Num: 25
Candidate Starts for Struggle_22:
(23, 17306), (Start: 25 @17360 has 407 MA's), (35, 17393), (67, 17549), (68, 17555), (71, 17564), (81, 17630), (95, 17714), (111, 17816), (117, 17858),

Gene: Suffolk_23 Start: 17806, Stop: 18324, Start Num: 25
Candidate Starts for Suffolk_23:
(23, 17752), (Start: 25 @17806 has 407 MA's), (35, 17839), (67, 17995), (68, 18001), (71, 18010), (81, 18076), (95, 18160), (111, 18262), (117, 18304),

Gene: Suigeneris_23 Start: 18559, Stop: 19050, Start Num: 25
Candidate Starts for Suigeneris_23:
(23, 18505), (Start: 25 @18559 has 407 MA's), (39, 18595), (42, 18604), (54, 18646), (68, 18730), (81, 18808), (86, 18829), (87, 18841), (89, 18847), (113, 19012),

Gene: Surely_23 Start: 17818, Stop: 18336, Start Num: 25
Candidate Starts for Surely_23:
(6, 17263), (7, 17317), (9, 17332), (10, 17341), (16, 17458), (18, 17500), (20, 17545), (23, 17764), (Start: 25 @17818 has 407 MA's), (35, 17851), (67, 18007), (68, 18013), (71, 18022), (81, 18088), (95, 18172), (111, 18274), (117, 18316),

Gene: SwainyDoc_24 Start: 18474, Stop: 18995, Start Num: 25
Candidate Starts for SwainyDoc_24:
(Start: 25 @18474 has 407 MA's), (Start: 34 @18504 has 1 MA's), (40, 18522), (45, 18534), (61, 18639), (81, 18762), (83, 18768), (85, 18777), (95, 18846), (106, 18903),

Gene: Swiphy_23 Start: 17807, Stop: 18325, Start Num: 25
Candidate Starts for Swiphy_23:
(2, 17201), (6, 17252), (7, 17306), (9, 17321), (10, 17330), (16, 17447), (18, 17489), (20, 17534), (23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95, 18161), (111, 18263), (117, 18305),

Gene: Swish_23 Start: 17801, Stop: 18319, Start Num: 25
Candidate Starts for Swish_23:
(6, 17246), (7, 17300), (9, 17315), (10, 17324), (16, 17441), (18, 17483), (20, 17528), (23, 17747), (Start: 25 @17801 has 407 MA's), (35, 17834), (67, 17990), (68, 17996), (71, 18005), (81, 18071), (95, 18155), (111, 18257), (117, 18299),

Gene: SynergyX_24 Start: 18477, Stop: 18998, Start Num: 25
Candidate Starts for SynergyX_24:
(Start: 25 @18477 has 407 MA's), (Start: 34 @18507 has 1 MA's), (61, 18642), (81, 18765), (83, 18771), (85, 18780), (95, 18849), (106, 18906),

Gene: TA17A_26 Start: 19909, Stop: 20469, Start Num: 24
Candidate Starts for TA17A_26:
(Start: 22 @19747 has 2 MA's), (Start: 24 @19909 has 57 MA's), (Start: 27 @19927 has 11 MA's), (28, 19930), (35, 19957), (39, 19969), (54, 20041), (63, 20098), (68, 20134), (73, 20185), (79, 20218), (103, 20365), (116, 20443),

Gene: TPA2_29 Start: 18558, Stop: 19259, Start Num: 22
Candidate Starts for TPA2_29:
(Start: 22 @18558 has 2 MA's), (23, 18672), (Start: 25 @18723 has 407 MA's), (43, 18789), (54, 18849), (55, 18867), (70, 18945), (71, 18948), (81, 19017), (88, 19053),

Gene: TallGrassMM_23 Start: 17533, Stop: 18051, Start Num: 25
Candidate Starts for TallGrassMM_23:
(6, 16978), (7, 17032), (9, 17047), (10, 17056), (16, 17173), (18, 17215), (20, 17260), (23, 17479), (Start: 25 @17533 has 407 MA's), (35, 17566), (67, 17722), (68, 17728), (71, 17737), (81, 17803), (95, 17887), (111, 17989), (117, 18031),

Gene: Taptic_17 Start: 17229, Stop: 17750, Start Num: 27
Candidate Starts for Taptic_17:
(23, 17175), (Start: 27 @17229 has 11 MA's), (42, 17280), (48, 17310), (53, 17337), (54, 17343), (68, 17415), (74, 17469), (75, 17475), (77, 17490), (86, 17529), (89, 17547), (109, 17676), (110, 17685), (112, 17694), (117, 17730),

Gene: Taraxa_23 Start: 17387, Stop: 17905, Start Num: 25
Candidate Starts for Taraxa_23:
(2, 16781), (6, 16832), (7, 16886), (9, 16901), (10, 16910), (16, 17027), (18, 17069), (20, 17114), (23, 17333), (Start: 25 @17387 has 407 MA's), (35, 17420), (67, 17576), (68, 17582), (71, 17591), (81, 17657), (95, 17741), (111, 17843), (117, 17885),

Gene: Telesworld_22 Start: 17512, Stop: 18030, Start Num: 25
Candidate Starts for Telesworld_22:
(23, 17458), (Start: 25 @17512 has 407 MA's), (35, 17545), (67, 17701), (68, 17707), (71, 17716), (81, 17782), (95, 17866), (111, 17968), (117, 18010),

Gene: Thonko_22 Start: 16247, Stop: 16792, Start Num: 25
Candidate Starts for Thonko_22:
(Start: 22 @16079 has 2 MA's), (23, 16193), (Start: 25 @16247 has 407 MA's), (28, 16262), (41, 16307), (54, 16376), (68, 16463), (70, 16469), (71, 16472), (78, 16541), (88, 16586), (100, 16670),

Gene: Thora_23 Start: 17817, Stop: 18335, Start Num: 25
Candidate Starts for Thora_23:
(6, 17262), (7, 17316), (9, 17331), (10, 17340), (16, 17457), (18, 17499), (20, 17544), (23, 17763), (Start: 25 @17817 has 407 MA's), (35, 17850), (67, 18006), (68, 18012), (71, 18021), (81, 18087), (95, 18171), (111, 18273), (117, 18315),

Gene: ThreeOh3D2_23 Start: 17816, Stop: 18334, Start Num: 25
Candidate Starts for ThreeOh3D2_23:
(23, 17762), (Start: 25 @17816 has 407 MA's), (35, 17849), (67, 18005), (68, 18011), (71, 18020), (81, 18086), (95, 18170), (111, 18272), (117, 18314),

Gene: Thunderbird_22 Start: 17516, Stop: 18034, Start Num: 25
Candidate Starts for Thunderbird_22:

(23, 17462), (Start: 25 @17516 has 407 MA's), (35, 17549), (67, 17705), (68, 17711), (71, 17720), (81, 17786), (95, 17870), (111, 17972), (117, 18014),

Gene: Timmi_22 Start: 17527, Stop: 18045, Start Num: 25
Candidate Starts for Timmi_22:
(6, 16972), (7, 17026), (9, 17041), (10, 17050), (16, 17167), (18, 17209), (20, 17254), (23, 17473), (Start: 25 @17527 has 407 MA's), (35, 17560), (67, 17716), (68, 17722), (71, 17731), (81, 17797), (95, 17881), (111, 17983), (117, 18025),

Gene: Tinciduntsolum_26 Start: 20031, Stop: 20591, Start Num: 24
Candidate Starts for Tinciduntsolum_26:
(Start: 22 @19869 has 2 MA's), (Start: 24 @20031 has 57 MA's), (Start: 27 @20049 has 11 MA's), (28, 20052), (35, 20079), (39, 20091), (54, 20163), (63, 20220), (68, 20256), (73, 20307), (79, 20340), (103, 20487), (116, 20565),

Gene: TinyTerror_24 Start: 18474, Stop: 18995, Start Num: 25
Candidate Starts for TinyTerror_24:
(Start: 25 @18474 has 407 MA's), (Start: 34 @18504 has 1 MA's), (40, 18522), (45, 18534), (61, 18639), (81, 18762), (83, 18768), (85, 18777), (95, 18846), (106, 18903),

Gene: TomBombadil_23 Start: 17812, Stop: 18330, Start Num: 25
Candidate Starts for TomBombadil_23:
(6, 17257), (7, 17311), (9, 17326), (10, 17335), (16, 17452), (18, 17494), (20, 17539), (23, 17758), (Start: 25 @17812 has 407 MA's), (35, 17845), (67, 18001), (68, 18007), (71, 18016), (81, 18082), (95, 18166), (111, 18268), (117, 18310),

Gene: Tomlarah_23 Start: 17802, Stop: 18320, Start Num: 25
Candidate Starts for Tomlarah_23:
(23, 17748), (Start: 25 @17802 has 407 MA's), (35, 17835), (67, 17991), (68, 17997), (71, 18006), (81, 18072), (95, 18156), (111, 18258), (117, 18300),

Gene: Toni_22 Start: 17511, Stop: 18029, Start Num: 25
Candidate Starts for Toni_22:
(6, 16956), (7, 17010), (9, 17025), (10, 17034), (16, 17151), (18, 17193), (20, 17238), (23, 17457), (Start: 25 @17511 has 407 MA's), (35, 17544), (67, 17700), (68, 17706), (71, 17715), (81, 17781), (95, 17865), (111, 17967), (117, 18009),

Gene: TooFast2Furius_24 Start: 18048, Stop: 18566, Start Num: 25
Candidate Starts for TooFast2Furius_24:
(23, 17994), (Start: 25 @18048 has 407 MA's), (35, 18081), (67, 18237), (68, 18243), (71, 18252), (81, 18318), (95, 18402), (111, 18504), (117, 18546),

Gene: Tooj_23 Start: 17813, Stop: 18331, Start Num: 25
Candidate Starts for Tooj_23:
(23, 17759), (Start: 25 @17813 has 407 MA's), (35, 17846), (67, 18002), (68, 18008), (71, 18017), (81, 18083), (95, 18167), (111, 18269), (117, 18311),

Gene: TraderJ_22 Start: 17719, Stop: 18258, Start Num: 24
Candidate Starts for TraderJ_22:
(23, 17668), (Start: 24 @17719 has 57 MA's), (42, 17785), (71, 17941), (78, 18001), (81, 18010), (86, 18031), (100, 18130), (104, 18151), (113, 18220), (115, 18229),

Gene: Tres_25 Start: 19912, Stop: 20472, Start Num: 24

Candidate Starts for Tres_25:
(Start: 22 @19750 has 2 MA's), (Start: 24 @19912 has 57 MA's), (Start: 27 @19930 has 11 MA's), (28, 19933), (35, 19960), (39, 19972), (54, 20044), (63, 20101), (68, 20137), (73, 20188), (79, 20221), (103, 20368), (116, 20446),

Gene: Triad_23 Start: 16682, Stop: 17200, Start Num: 25
Candidate Starts for Triad_23:
(23, 16628), (Start: 25 @16682 has 407 MA's), (35, 16715), (67, 16871), (68, 16877), (71, 16886), (81, 16952), (95, 17036), (111, 17138), (117, 17180),

Gene: True_22 Start: 17515, Stop: 18033, Start Num: 25
Candidate Starts for True_22:
(23, 17461), (Start: 25 @17515 has 407 MA's), (35, 17548), (67, 17704), (68, 17710), (71, 17719), (81, 17785), (95, 17869), (111, 17971), (117, 18013),

Gene: Trypo_23 Start: 17804, Stop: 18322, Start Num: 25
Candidate Starts for Trypo_23:
(2, 17198), (6, 17249), (7, 17303), (9, 17318), (10, 17327), (16, 17444), (18, 17486), (20, 17531), (23, 17750), (Start: 25 @17804 has 407 MA's), (35, 17837), (67, 17993), (68, 17999), (71, 18008), (81, 18074), (95, 18158), (111, 18260), (117, 18302),

Gene: Tydolla_24 Start: 19214, Stop: 19735, Start Num: 25
Candidate Starts for Tydolla_24:
(Start: 25 @19214 has 407 MA's), (Start: 34 @19244 has 1 MA's), (40, 19262), (45, 19274), (61, 19379), (81, 19502), (83, 19508), (85, 19517), (95, 19586), (106, 19643),

Gene: TyrionL_22 Start: 17368, Stop: 17886, Start Num: 25
Candidate Starts for TyrionL_22:
(6, 16813), (7, 16867), (9, 16882), (10, 16891), (16, 17008), (18, 17050), (20, 17095), (23, 17314), (Start: 25 @17368 has 407 MA's), (35, 17401), (67, 17557), (68, 17563), (71, 17572), (81, 17638), (95, 17722), (111, 17824), (117, 17866),

Gene: UAch1_23 Start: 17824, Stop: 18342, Start Num: 25
Candidate Starts for UAch1_23:
(23, 17770), (Start: 25 @17824 has 407 MA's), (35, 17857), (67, 18013), (68, 18019), (71, 18028), (81, 18094), (95, 18178), (111, 18280), (117, 18322),

Gene: UncleHowie_23 Start: 17514, Stop: 18032, Start Num: 25
Candidate Starts for UncleHowie_23:
(23, 17460), (Start: 25 @17514 has 407 MA's), (35, 17547), (67, 17703), (68, 17709), (71, 17718), (81, 17784), (95, 17868), (111, 17970), (117, 18012),

Gene: Usavi_23 Start: 17815, Stop: 18333, Start Num: 25
Candidate Starts for Usavi_23:
(23, 17761), (Start: 25 @17815 has 407 MA's), (35, 17848), (67, 18004), (68, 18010), (71, 18019), (81, 18085), (95, 18169), (111, 18271), (117, 18313),

Gene: Vaishali24_22 Start: 17468, Stop: 17986, Start Num: 25
Candidate Starts for Vaishali24_22:
(23, 17414), (Start: 25 @17468 has 407 MA's), (35, 17501), (67, 17657), (68, 17663), (71, 17672), (81, 17738), (95, 17822), (111, 17924), (117, 17966),

Gene: Valjean_23 Start: 17807, Stop: 18325, Start Num: 25

Candidate Starts for Valjean_23:
(23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95, 18161), (111, 18263), (117, 18305),

Gene: Vaticameos_23 Start: 17505, Stop: 18023, Start Num: 25
Candidate Starts for Vaticameos_23:
(23, 17451), (Start: 25 @17505 has 407 MA's), (35, 17538), (67, 17694), (68, 17700), (71, 17709), (81, 17775), (95, 17859), (111, 17961), (117, 18003),

Gene: Vectra_22 Start: 17371, Stop: 17889, Start Num: 25
Candidate Starts for Vectra_22:
(2, 16765), (6, 16816), (7, 16870), (9, 16885), (10, 16894), (16, 17011), (18, 17053), (20, 17098), (23, 17317), (Start: 25 @17371 has 407 MA's), (35, 17404), (67, 17560), (68, 17566), (71, 17575), (81, 17641), (95, 17725), (111, 17827), (117, 17869),

Gene: Veritas_22 Start: 17354, Stop: 17872, Start Num: 25
Candidate Starts for Veritas_22:
(2, 16748), (6, 16799), (7, 16853), (9, 16868), (10, 16877), (16, 16994), (18, 17036), (20, 17081), (23, 17300), (Start: 25 @17354 has 407 MA's), (35, 17387), (67, 17543), (68, 17549), (71, 17558), (81, 17624), (95, 17708), (111, 17810), (117, 17852),

Gene: Vic9_00025 Start: 20354, Stop: 20914, Start Num: 24
Candidate Starts for Vic9_00025:
(Start: 24 @20354 has 57 MA's), (Start: 27 @20372 has 11 MA's), (28, 20375), (35, 20402), (39, 20414), (54, 20486), (63, 20543), (68, 20579), (73, 20630), (79, 20663), (103, 20810), (116, 20888),

Gene: Vincenzo_22 Start: 19205, Stop: 19732, Start Num: 25
Candidate Starts for Vincenzo_22:
(Start: 25 @19205 has 407 MA's), (32, 19235), (47, 19292), (50, 19304), (68, 19409), (71, 19418), (74, 19457), (81, 19484), (84, 19493), (86, 19505), (88, 19520), (95, 19568), (96, 19574), (108, 19652),

Gene: VioletZ_21 Start: 18491, Stop: 19021, Start Num: 25
Candidate Starts for VioletZ_21:
(8, 18002), (Start: 22 @18323 has 2 MA's), (Start: 25 @18491 has 407 MA's), (32, 18521), (50, 18590), (68, 18695), (72, 18725), (74, 18743), (82, 18776), (84, 18782), (86, 18794), (96, 18863), (108, 18941),

Gene: Virapocalypse_23 Start: 17798, Stop: 18316, Start Num: 25
Candidate Starts for Virapocalypse_23:
(6, 17243), (7, 17297), (9, 17312), (10, 17321), (16, 17438), (18, 17480), (20, 17525), (23, 17744), (Start: 25 @17798 has 407 MA's), (35, 17831), (67, 17987), (68, 17993), (71, 18002), (81, 18068), (95, 18152), (111, 18254), (117, 18296),

Gene: Virgeve_22 Start: 17520, Stop: 18038, Start Num: 25
Candidate Starts for Virgeve_22:
(2, 16914), (6, 16965), (7, 17019), (9, 17034), (10, 17043), (16, 17160), (18, 17202), (20, 17247), (23, 17466), (Start: 25 @17520 has 407 MA's), (35, 17553), (67, 17709), (68, 17715), (71, 17724), (81, 17790), (95, 17874), (111, 17976), (117, 18018),

Gene: Vista_23 Start: 17812, Stop: 18330, Start Num: 25
Candidate Starts for Vista_23:
(6, 17257), (7, 17311), (9, 17326), (10, 17335), (16, 17452), (18, 17494), (20, 17539), (23, 17758), (Start: 25 @17812 has 407 MA's), (35, 17845), (67, 18001), (68, 18007), (71, 18016), (81, 18082), (95, 18166), (111, 18268), (117, 18310),

Gene: Vivaldi_23 Start: 17842, Stop: 18360, Start Num: 25
Candidate Starts for Vivaldi_23:
(23, 17788), (Start: 25 @17842 has 407 MA's), (35, 17875), (67, 18031), (68, 18037), (71, 18046), (81, 18112), (95, 18196), (111, 18298), (117, 18340),

Gene: Vortex_23 Start: 17522, Stop: 18040, Start Num: 25
Candidate Starts for Vortex_23:
(23, 17468), (Start: 25 @17522 has 407 MA's), (35, 17555), (67, 17711), (68, 17717), (71, 17726), (81, 17792), (95, 17876), (111, 17978), (117, 18020),

Gene: Waleliano_21 Start: 18436, Stop: 18966, Start Num: 25
Candidate Starts for Waleliano_21:
(Start: 22 @18268 has 2 MA's), (Start: 25 @18436 has 407 MA's), (32, 18466), (50, 18535), (68, 18640), (72, 18670), (74, 18688), (82, 18721), (84, 18727), (86, 18739), (88, 18754), (96, 18808), (108, 18886),

Gene: Wallhey_22 Start: 17372, Stop: 17890, Start Num: 25
Candidate Starts for Wallhey_22:
(2, 16766), (6, 16817), (7, 16871), (9, 16886), (10, 16895), (16, 17012), (18, 17054), (20, 17099), (23, 17318), (Start: 25 @17372 has 407 MA's), (35, 17405), (67, 17561), (68, 17567), (71, 17576), (81, 17642), (95, 17726), (111, 17828), (117, 17870),

Gene: Waterdiva_23 Start: 17807, Stop: 18325, Start Num: 25
Candidate Starts for Waterdiva_23:
(23, 17753), (Start: 25 @17807 has 407 MA's), (35, 17840), (67, 17996), (68, 18002), (71, 18011), (81, 18077), (95, 18161), (111, 18263), (117, 18305),

Gene: Weher20_23 Start: 17800, Stop: 18318, Start Num: 25
Candidate Starts for Weher20_23:
(2, 17194), (6, 17245), (7, 17299), (9, 17314), (10, 17323), (16, 17440), (18, 17482), (20, 17527), (23, 17746), (Start: 25 @17800 has 407 MA's), (35, 17833), (67, 17989), (68, 17995), (71, 18004), (81, 18070), (95, 18154), (111, 18256), (117, 18298),

Gene: West99_25 Start: 20032, Stop: 20592, Start Num: 24
Candidate Starts for West99_25:
(Start: 22 @19870 has 2 MA's), (Start: 24 @20032 has 57 MA's), (Start: 27 @20050 has 11 MA's), (28, 20053), (35, 20080), (39, 20092), (54, 20164), (63, 20221), (68, 20257), (73, 20308), (79, 20341), (103, 20488), (116, 20566),

Gene: Windsor_22 Start: 17475, Stop: 17993, Start Num: 25
Candidate Starts for Windsor_22:
(6, 16920), (7, 16974), (9, 16989), (10, 16998), (16, 17115), (18, 17157), (20, 17202), (23, 17421), (Start: 25 @17475 has 407 MA's), (35, 17508), (67, 17664), (68, 17670), (71, 17679), (81, 17745), (95, 17829), (111, 17931), (117, 17973),

Gene: Wooper_22 Start: 17725, Stop: 18264, Start Num: 24
Candidate Starts for Wooper_22:
(23, 17674), (Start: 24 @17725 has 57 MA's), (42, 17791), (71, 17947), (78, 18007), (81, 18016), (86, 18037), (100, 18136), (104, 18157), (113, 18226), (115, 18235),

Gene: Xavier_22 Start: 17525, Stop: 18043, Start Num: 25
Candidate Starts for Xavier_22:

(6, 16970), (7, 17024), (9, 17039), (10, 17048), (16, 17165), (18, 17207), (20, 17252), (23, 17471), (Start: 25 @17525 has 407 MA's), (35, 17558), (67, 17714), (68, 17720), (71, 17729), (81, 17795), (95, 17879), (111, 17981), (117, 18023),

Gene: Xincheng_20 Start: 17891, Stop: 18421, Start Num: 25
Candidate Starts for Xincheng_20:
(Start: 22 @17723 has 2 MA's), (Start: 25 @17891 has 407 MA's), (32, 17921), (50, 17990), (68, 18095), (72, 18125), (74, 18143), (82, 18176), (84, 18182), (86, 18194), (88, 18209), (96, 18263), (108, 18341),

Gene: Yago84_20 Start: 16628, Stop: 17179, Start Num: 24
Candidate Starts for Yago84_20:
(21, 16445), (Start: 22 @16463 has 2 MA's), (23, 16577), (Start: 24 @16628 has 57 MA's), (Start: 25 @16631 has 407 MA's), (42, 16697), (82, 16925), (86, 16943), (88, 16958), (111, 17114), (113, 17138), (115, 17147),

Gene: Yahalom_24 Start: 18486, Stop: 19007, Start Num: 25
Candidate Starts for Yahalom_24:
(Start: 25 @18486 has 407 MA's), (Start: 34 @18516 has 1 MA's), (61, 18651), (81, 18774), (83, 18780), (85, 18789), (95, 18858), (106, 18915),

Gene: Yeshua_22 Start: 17702, Stop: 18241, Start Num: 24
Candidate Starts for Yeshua_22:
(23, 17651), (Start: 24 @17702 has 57 MA's), (42, 17768), (71, 17924), (78, 17984), (81, 17993), (86, 18014), (100, 18113), (104, 18134), (113, 18203), (115, 18212),

Gene: Yinz_24 Start: 18515, Stop: 19036, Start Num: 25
Candidate Starts for Yinz_24:
(Start: 25 @18515 has 407 MA's), (Start: 34 @18545 has 1 MA's), (40, 18563), (45, 18575), (61, 18680), (81, 18803), (83, 18809), (85, 18818), (95, 18887), (106, 18944),

Gene: Yoshand_23 Start: 17814, Stop: 18332, Start Num: 25
Candidate Starts for Yoshand_23:
(6, 17259), (7, 17313), (9, 17328), (10, 17337), (16, 17454), (18, 17496), (20, 17541), (23, 17760), (Start: 25 @17814 has 407 MA's), (35, 17847), (67, 18003), (68, 18009), (71, 18018), (81, 18084), (95, 18168), (111, 18270), (117, 18312),

Gene: YouGoGlencoco_23 Start: 17803, Stop: 18321, Start Num: 25
Candidate Starts for YouGoGlencoco_23:
(6, 17248), (7, 17302), (9, 17317), (10, 17326), (16, 17443), (18, 17485), (20, 17530), (23, 17749), (Start: 25 @17803 has 407 MA's), (35, 17836), (67, 17992), (68, 17998), (71, 18007), (81, 18073), (95, 18157), (111, 18259), (117, 18301),

Gene: Zaider_24 Start: 18039, Stop: 18557, Start Num: 25
Candidate Starts for Zaider_24:
(6, 17484), (7, 17538), (9, 17553), (10, 17562), (16, 17679), (18, 17721), (20, 17766), (23, 17985), (Start: 25 @18039 has 407 MA's), (35, 18072), (67, 18228), (68, 18234), (71, 18243), (81, 18309), (95, 18393), (111, 18495), (117, 18537),

Gene: Zelda_23 Start: 17808, Stop: 18326, Start Num: 25
Candidate Starts for Zelda_23:
(23, 17754), (Start: 25 @17808 has 407 MA's), (35, 17841), (67, 17997), (68, 18003), (71, 18012), (81, 18078), (95, 18162), (111, 18264), (117, 18306),

Gene: Zemanar_22 Start: 18436, Stop: 18966, Start Num: 25
Candidate Starts for Zemanar_22:
(Start: 22 @18268 has 2 MA's), (Start: 25 @18436 has 407 MA's), (32, 18466), (50, 18535), (68, 18640), (72, 18670), (74, 18688), (82, 18721), (84, 18727), (86, 18739), (88, 18754), (96, 18808), (108, 18886),

Gene: Zenteno07_27 Start: 18252, Stop: 18770, Start Num: 25
Candidate Starts for Zenteno07_27:
(Start: 25 @18252 has 407 MA's), (38, 18294), (50, 18345), (52, 18357), (54, 18366), (58, 18396), (70, 18450), (71, 18453), (81, 18522), (85, 18537), (88, 18558),

Gene: Zonia_23 Start: 17822, Stop: 18340, Start Num: 25
Candidate Starts for Zonia_23:
(2, 17216), (6, 17267), (7, 17321), (9, 17336), (10, 17345), (16, 17462), (18, 17504), (20, 17549), (23, 17768), (Start: 25 @17822 has 407 MA's), (35, 17855), (67, 18011), (68, 18017), (71, 18026), (81, 18092), (95, 18176), (111, 18278), (117, 18320),