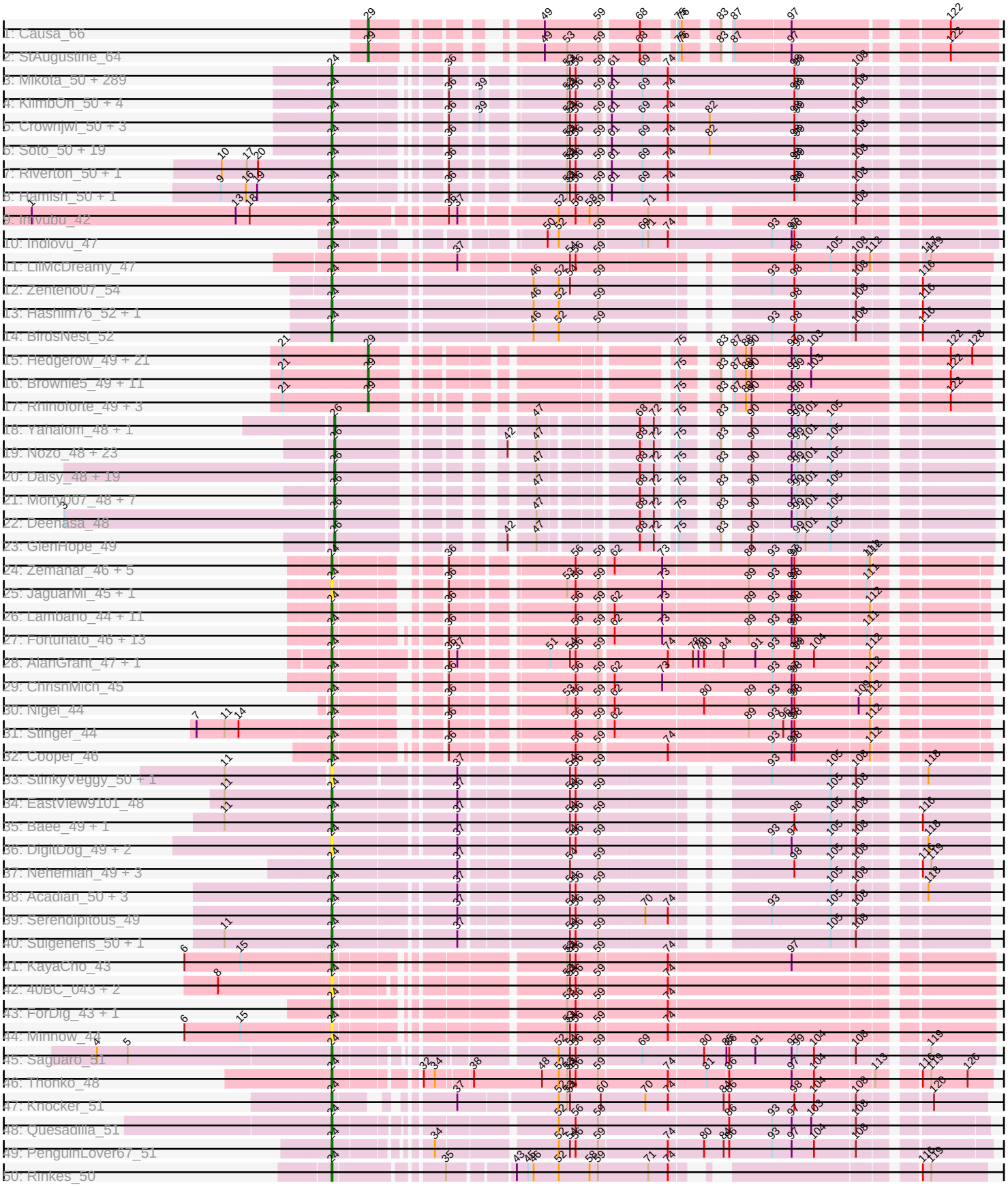
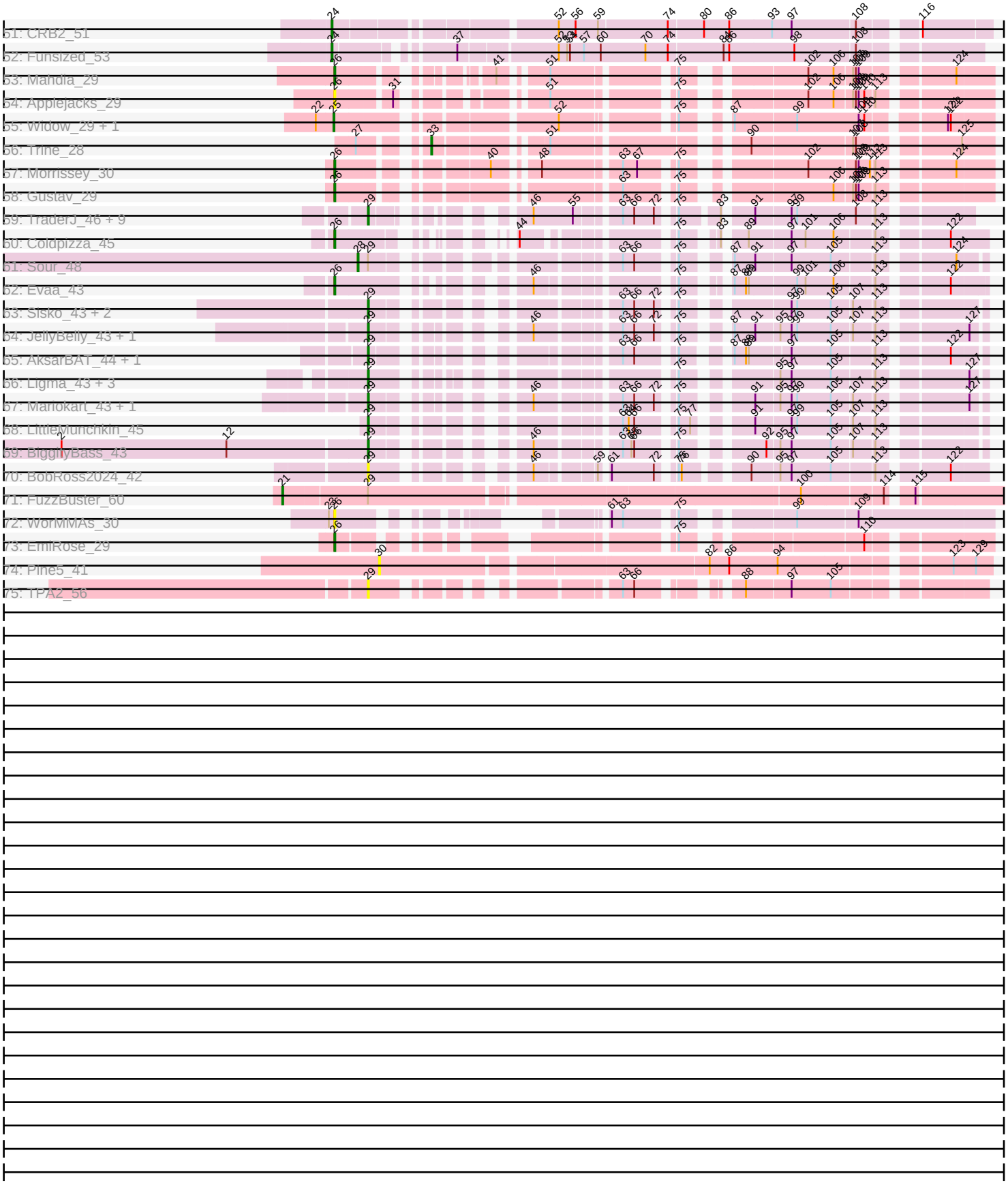
Pham 347066


1: Causa_66
2: StAugustine_64
3: Mikota_50 + 289
4: KlimbOn_50 + 4
5: Crownjwl_50 + 3
6: Soto_50 + 19
7: Riverton_50 + 1
8: Hamish_50 + 1
9: Inivubu_42
10: Indiovu_47
11: LilMcDreamy_47
12: Zenteno07_54
13: Hashim76_52 + 1
14: BirdsNest_52
15: Hedgerow_49 + 21
16: Brownie5_49 + 11
17: Rhinoforte_49 + 3
18: Yahalom_48 + 1
19: Nozo_48 + 23
20: Daisy_48 + 19
21: Monty007_48 + 7
22: Deenasa_48
23: GlenHope_49
24: Zemanar_46 + 5
25: JaguarMI_45 + 1
26: Lambano_44 + 11
27: Fortunato_46 + 13
28: AlanGrant_47 + 1
29: ChrishMich_45
30: Nigel_44
31: Stinger_44
32: Cooper_46
33: StinkyVeggy_50 + 1
34: EastView9101_48
35: Baee_49 + 1
36: DigitDog_49 + 2
37: Nehemiah_49 + 3
38: Acadian_50 + 3
39: Serendipitous_49
40: Suigeneris_50 + 1
41: KayaCho_43
42: 40BC_043 + 2
43: ForDig_43 + 1
44: Minnow_44
45: Saguaro_51
46: Thonko_48
47: Knocker_51
48: Quesadilla_51
49: PenguinLover67_51
50: Rinkes_50

Pham 347066


51: CRB2_51
52: Funsized_53
53: Mandia_29
54: Applejacks_29
55: Widow_29 + 1
56: Trine_28
57: Morrissey_30
58: Gustav_29
59: TraderJ_46 + 9
60: Coldpizza_45
61: Sour_48
62: Evaa_43
63: Sisko_43 + 2
64: JellyBelly_43 + 1
65: AksarBAT_44 + 1
66: Ligma_43 + 3
67: Mariokart_43 + 1
68: LittleMunchkin_45
69: BigglyBass_43
70: BobRoss2024_42
71: FuzzBuster_60
72: WorMMAS_30
73: EmiRose_29
74: Pine5_41
75: TPA2_56

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 347066 Report

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

Pham number 347066 has 541 members, 65 are drafts.

Phages represented in each track:
• Track 1 : Causa_66
• Track 2 : StAugustine_64
• Track 3 : Mikota_50, Bluephacebaby_49, HighStump_50, Hartsy_50, Piglet_0050, Apizium_50, Frankicide_50, Kwadwo_49, CamL_50, Beaglebox_49, PhenghisKhan_49, DoesntMatter_49, Haleema_49, ShadowBud_50, BlueHusk_50, SallyH_51, FluffyNinja_51, LostAndPhound_49, Suffolk_50, Lasso_50, True_49, Solosis_49, Timmi_49, ThreeOh3D2_51, AbsoluteMadLad_49, Aonishiki_50, Dice_49, Lulumae_49, Skippy_50, Coletti_50, LeiMonet_50, PhatLouie_50, ImtiyazSitla_50, PhrankReynolds_48, Dati_50, Nova1_50, Eugenia_50, Telesworld_49, YouGoGlencoco_50, SassyCat97_49, Lehmann_50, Serendipity_50, Kloppinator_51, Trypo_51, Roy17_50, Squiggle_50, Maskar_50, Phergie_50, Zaider_51, HogWash_50, Xavier_49, Fringe_51, Jillium_49, DirtJuice_50, Flake_50, Haimas_50, TallGrassMM_50, HenryJackson_49, Burr_49, Pherdinand_51, Vectra_49, Vaishali24_49, GreenChile_51, FugateOSU_49, Etaye_50, Surely_50, Mag7_49, Robyn_49, Orfeu_49, Nyala_49, Nehme_49, Khan1_49, Pipsqueak_50, Melc17_50, Virapocalypse_50, Gareth_49, Andre_51, Rimu_50, Kikipoo_51, CheetO_50, Ricotta_49, Chipette_51, Valjean_50, Squid_50, Morty_51, Daffy_50, Roscoe_51, DonSanchon_49, Vivaldi_51, Potter_49, Magic8_50, Morgushi_50, Chorkpop_50, TooFast2Furius_51, MiniBoss_50, Serpentine_0050, Hetaeria_50, Soile_50, Spartan300_50, Mulan_50, Prickles_50, Fozzie_49, PallasAthena_49, FremontTroll_49, JangoPhett_50, Horchata_50, KingTut_41, MRabcd_49, Jesabah_50, MitKao_50, Boehler_50, Kahve_49, Keitherie_50, Vista_50, Inchworm_51, Riggan_50, Lumine_49, Olive_50, UAch1_50, Fang_51, Septica_49, Kailash_50, Gwennie1_50, CharlieGBrown_49, Quisquiliae_50, Jiraiya_49, Placalicious_49, BatteryCK_49, Cosmolli16_49, BlackStallion_51, Caspiboi_49, Hekos_47, JDog_49, FriarPreacher_49, Nicole21_50, Kwksand96_49, Slatt_50, Carthage_48, Waterdiva_50, Mesmerelda_49, Orwigg_49, KLucky39_50, Selr12_50, Phleuron_49, LuckyMarjie_49, Larson_52, Pacifista_49, Ashraf_50, Tooj_50, Cher_49, UncleHowie_50, LasagnaCat_51, BoogieWoogie_50, Veritas_49, Daka_51, ProfessorX_50, Plata_49, Gophee_50, Maru_49, Thora_50, Iridessa_50, MichaelPhcott_49, Megatron_51, RedRaider89_51, Chuni_50, LeeLot_50, FleetyMac_50, ShiVal_50, AngelCake_50, ElvisPhasley_51, Simielle_49, PinheadLarry_50, DelRivs_49, Phipps_50, MelsMeow_50, Happabalu_50, EmGer13_50, Aelin_49, OneBrain_51, CampRoach_51, Kimbrough_50, Childish_49, Oosterbaan_50, MrPhizzler_50, Bishoperium_49, Azuria_49, TomBombadil_50, Mcshane_49, Craff_51, Anderson_50, Sigman_51, Durga_51, Badfish_51, Matalotodo_50, Banjo_49, Legolas_50, LemonSlice_50, Oline_49, ABU_51,

Phareon_50, Hertubise_50, Swish_51, Karn_49, Cornbread_49, Zelda_50, PhrodoBaggins_50, Podrick_50, SirBeauregard_50, Cannibal_50, QueenBeane_50, Mosaic_49, Buckeye_50, Freya_49, Adriana_51, Sheila_50, Grand2040_49, Vaticameos_46, Samaymay_50, Scrick_50, Eremos_50, Chute_50, Basato_51, Swiphy_50, Katniss_51, Windsor_49, Schadenfreude_49, Chaelin_50, Sophia_49, Lopsy_49, Orion_51, Scoot17C_51, Emiris_51, Nacho_0051, Brilliant_50, Charles1_50, Aleia_50, Colbert_50, KingVeVeVe_50, Megamind20_50, Cobra_50, Mutante_49, Dione_49, Omniscient_50, RedMaple_50, Usavi_50, Phunky_50, Murdoc_50, DolOn_53, IsaacEli_51, Schueller_49, Mana_49, PhatCats2014_51, BlacksBerry_49, Iridoclysis_50, Lulwa_50, Nathan_50, Cornobble_49, Olak_49, Held_50, Gyarad_0050, Puhltonio_50, Giraffe_50, Altwerkus_49, Numberten_50, Mecca_49, Longacauda_49, Roliet_50, Virgeve_49, Lego3393_49, Harvey_50, Thunderbird_49, Phamished_51, JacAttac_51, Pops_50, Toni_49, PG1_51, OSmaximus_51, NiaNia_53, Chah_52, Vortex_50, Triad_50, Gwilliam_50, Yoshand_51, OliverWalter_50, Hocus_49, Plmatters_50, Kiwot_50, Weher20_50, Tomlarah_50, Antonia_49

- Track 4 : KlimbOn_50, HSavage_50, Newman_50, Manad_50, Inverness_50
- Track 5 : Crownjwl_50, AltPhacts_50, Chunky_50, EmpTee_50
- Track 6 : Soto_50, Wallhey_49, Doddsville_50, Jbug01_50, Zonia_50, SDcharge11_50, Derpp_49, Labeouficaum_49, DaddyDaniels_50, Dingo_50, Taraxa_50, Struggle_49, Pinkman_49, GeneCoco_50, JakeO_49, Salazzle_50, Jiminy_49, Duggie_49, TyrionL_49, DuchessDung_49
- Track 7 : Riverton_50, Mesh1_50
- Track 8 : Hamish_50, SilverBell_50
- Track 9 : Imvubu_42
- Track 10 : Indlovu_47
- Track 11 : LilMcDreamy_47
- Track 12 : Zenteno07_54
- Track 13 : Hashim76_52, LittleMinkey_55
- Track 14 : BirdsNest_52
- Track 15 : Hedgerow_49, Eaglehorse_49, Boyle_49, Arbiter_48, Ares_49, Bananafish_49, Tres_49, TA17A_50, Qyrzula_46, Sabella_48, Glass_49, Lephleur_49, Phantasmagoria_49, Kaleb_49, LizLemon_49, FrenchFry_49, Faze9_48, West99_49, Kolhan_49, Lars_49, Opia_49, Rosebush_48
- Track 16 : Brownie5_49, Holeinone_49, MasterPo_49, ItsyBitsy1_49, Tinciduntsolum_50, PrinceCharming_49, Allegro_49, Kheth_49, Calamitous_49, Coffee_49, Vic9_00048, Laurie_48
- Track 17 : Rhinoforte_49, LilSmirk_49, Blocker23_49, Godines_49
- Track 18 : Yahalom_48, Briakila_49
- Track 19 : Nozo_48, Pipefish_50, Phaedrus_46, Philly_47, Corofin_48, Heathcliff_48, Halfpint_47, Chandler_48, Devonte_48, Gadjet_49, OrangeOswald_48, Kamiyu_48, Shenandoah_48, Compostia_49, SynergyX_48, Baloo_48, Chalmers_48, Bernardo_49, Athena_49, Jackstina_45, Yinz_48, RagingRooster_48, Akoma_48, Audrey_48
- Track 20 : Daisy_48, Rita1961_48, Obutu_48, Gervas_48, SlippinJimmy_48, Marlia_48, Mortcellus_47, TinyTerror_48, MmasiCarm_48, Casbah_47, SwainyDoc_48, Phlyer_48, Phayeta_49, ChaChing_48, Ben11_47, Olivio_47, Glubnar_49, Neos5_48, Chentzyk_48, Kronus_47
- Track 21 : Morty007_48, Abinghost_48, LestyG_48, Mulaychimus_48, HarveySr_48, RomaT_48, Marley1013_48, Tydolla_48
- Track 22 : Deenasa_48
- Track 23 : GlenHope_49

• Track 24 : Zemanar_46, JoyceMaria_45, Waleliano_45, BrownCNA_47, Hangman_45, Mithril_45
• Track 25 : JaguarMi_45, Xincheng_44
• Track 26 : Lambano_44, Epah_44, JAMaL_45, GinPorsche_45, Hally898_44, Antihero_44, Nanao_44, Renkei_44, Ahwei_44, LittleDigger_44, QueenPie_44, Poster_44
• Track 27 : Fortunato_46, Prince_45, Hydro_45, Heath_44, VioletZ_47, Fanaw_44, BobbyK_46, Magpie_44, Austelle_46, Lolalove_46, Mudslide_45, RawrgerThat_46, Frederick_46, Apex_46
• Track 28 : AlanGrant_47, Vincenzo_46
• Track 29 : ChrisnMich_45
• Track 30 : Nigel_44
• Track 31 : Stinger_44
• Track 32 : Cooper_46
• Track 33 : StinkyVeggy_50, KarasumaRum_50
• Track 34 : EastView9101_48
• Track 35 : Baee_49, Rich_48
• Track 36 : DigitDog_49, Nangang_49, Shenyu_49
• Track 37 : Nehemiah_49, Reprobate_49, Phelemich_48, Mysterious_48
• Track 38 : Acadian_50, Reccee_50, SirJeffery_49, Rita130_49
• Track 39 : Serendipitous_49
• Track 40 : Suigeneris_50, Donny_50
• Track 41 : KayaCho_43
• Track 42 : 40BC_043, Hosp_041, 39HC_043
• Track 43 : ForDig_43, Jolie1_043
• Track 44 : Minnow_44
• Track 45 : Saguaro_51
• Track 46 : Thonko_48
• Track 47 : Knocker_51
• Track 48 : Quesadilla_51
• Track 49 : PenguinLover67_51
• Track 50 : Rinkes_50
• Track 51 : CRB2_51
• Track 52 : Funsized_53
• Track 53 : Mahdia_29
• Track 54 : Applejacks_29
• Track 55 : Widow_29, Puppers_29
• Track 56 : Trine_28
• Track 57 : Morrissey_30
• Track 58 : Gustav_29
• Track 59 : TraderJ_46, MossRose_46, Yeshua_46, AnarQue_46, FelixTres_46, CloverMinnie_46, Blackpen_46, MakoManhole_46, Wooper_46, CaiB_46
• Track 60 : Coldpizza_45
• Track 61 : Sour_48
• Track 62 : Evaa_43
• Track 63 : Sisko_43, AnClar_44, Yago84_43
• Track 64 : JellyBelly_43, CharlottesWeb_43
• Track 65 : AksarBAT_44, NHagos_44
• Track 66 : Ligma_43, Fresco_43, Shatter_43, Axumite_43
• Track 67 : Mariokart_43, Coco2012_43
• Track 68 : LittleMunchkin_45
• Track 69 : BiggityBass_43
• Track 70 : BobRoss2024_42

• Track 71 : FuzzBuster_60
• Track 72 : WorMMAs_30
• Track 73 : EmiRose_29
• Track 74 : Pine5_41
• Track 75 : TPA2_56

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

The start number called the most often in the published annotations is 24, it was called in 353 of the 476 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 39HC_043, 40BC_043, ABU_51, AbsoluteMadLad_49, Acadian_50, Adriana_51, Aelin_49, Ahwei_44, AlanGrant_47, Aleia_50, AltPhacts_50, Altwerkus_49, Anderson_50, Andre_51, AngelCake_50, Antihero_44, Antonia_49, Aonishiki_50, Apex_46, Apizium_50, Ashraf_50, Austelle_46, Azuria_49, Badfish_51, Baee_49, Banjo_49, Basato_51, BatteryCK_49, Beaglebox_49, BirdsNest_52, Bishoperium_49, BlackStallion_51, BlacksBerry_49, BlueHusk_50, Bluephacebaby_49, BobbyK_46, Boehler_50, BoogieWoogie_50, Brilliant_50, BrownCNA_47, Buckeye_50, Burr_49, CRB2_51, CamL_50, CampRoach_51, Cannibal_50, Carthage_48, Caspiboi_49, Chaelin_50, Chah_52, Charles1_50, CharlieGBrown_49, CheetO_50, Cher_49, Childish_49, Chipette_51, Chorkpop_50, ChrisnMich_45, Chuni_50, Chunky_50, Chute_50, Cobra_50, Colbert_50, Coletti_50, Cooper_46, Cornbread_49, Cornobble_49, Cosmolli16_49, Craff_51, Crownjwl_50, DaddyDaniels_50, Daffy_50, Daka_51, Dati_50, DelRivs_49, Derpp_49, Dice_49, DigitDog_49, Dingo_50, Dione_49, DirtJuice_50, Doddsville_50, DoesntMatter_49, DolOn_53, DonSanchon_49, Donny_50, DuchessDung_49, Duggie_49, Durga_51, EastView9101_48, ElvisPhasley_51, EmGer13_50, Emiris_51, EmpTee_50, Epah_44, Eremos_50, Etaye_50, Eugenia_50, Fanaw_44, Fang_51, Flake_50, FleetyMac_50, FluffyNinja_51, ForDig_43, Fortunato_46, Fozzie_49, Frankicide_50, Frederick_46, FremontTroll_49, Freya_49, FriarPreacher_49, Fringe_51, FugateOSU_49, Funsized_53, Gareth_49, GeneCoco_50, GinPorsche_45, Giraffe_50, Gophee_50, Grand2040_49, GreenChile_51, Gwennie1_50, Gwilliam_50, Gyarad_0050, HSavage_50, Haimas_50, Haleema_49, Hally898_44, Hamish_50, Hangman_45, Happabalu_50, Hartsy_50, Harvey_50, Hashim76_52, Heath_44, Hekos_47, Held_50, HenryJackson_49, Hertubise_50, Hetaeria_50, HighStump_50, Hocus_49, HogWash_50, Horchata_50, Hosp_041, Hydro_45, ImtiyazSitla_50, Imvubu_42, Inchworm_51, Indlovu_47, Inverness_50, Iridessa_50, Iridoclysis_50, IsaacEli_51, JAMaL_45, JDog_49, JacAttac_51, JaguarMi_45, JakeO_49, JangoPhett_50, Jbug01_50, Jesabah_50, Jillium_49, Jiminy_49, Jiraiya_49, Jolie1_043, JoyceMaria_45, KLucky39_50, Kahve_49, Kailash_50, KarasumaRum_50, Karn_49, Katniss_51, KayaCho_43, Keitherie_50, Khan1_49, Kikipoo_51, Kimbrough_50, KingTut_41, KingVeVeVe_50, Kiwot_50, KlimbOn_50, Kloppinator_51, Knocker_51, Kwadwo_49, Kwksand96_49, Labeouficaum_49, Lambano_44, Larson_52, LasagnaCat_51, Lasso_50, LeeLot_50, Lego3393_49, Legolas_50, Lehmann_50, LeiMonet_50, LemonSlice_50, LilMcDreamy_47, LittleDigger_44, LittleMinkey_55, Lolalove_46, Longacauda_49, Lopsy_49, LostAndPhound_49, LuckyMarjie_49, Lulumae_49, Lulwa_50, Lumine_49, MRabcd_49, Mag7_49, Magic8_50, Magpie_44, Mana_49, Manad_50, Maru_49, Maskar_50, Matalotodo_50, Mcshane_49, Mecca_49, Megamind20_50,

Megatron_51, Melc17_50, MelsMeow_50, Mesh1_50, Mesmerelda_49, MichaelPhcott_49, Mikota_50, MiniBoss_50, Minnow_44, MitKao_50, Mithril_45, Morgushi_50, Morty_51, Mosaic_49, MrPhizzler_50, Mudslide_45, Mulan_50, Murdoc_50, Mutante_49, Mysterious_48, Nacho_0051, Nanao_44, Nangang_49, Nathan_50, Nehemiah_49, Nehme_49, Newman_50, NiaNia_53, Nicole21_50, Nigel_44, Nova1_50, Numberten_50, Nyala_49, OSmaximus_51, Olak_49, Oline_49, Olive_50, OliverWalter_50, Omniscient_50, OneBrain_51, Oosterbaan_50, Orfeu_49, Orion_51, Orwigg_49, PG1_51, Pacifista_49, PallasAthena_49, PenguinLover67_51, Phamished_51, Phareon_50, PhatCats2014_51, PhatLouie_50, Phelemich_48, PhenghisKhan_49, Pherdinand_51, Phergie_50, Phipps_50, Phleuron_49, PhrankReynolds_48, PhrodoBaggins_50, Phunky_50, Piglet_0050, PinheadLarry_50, Pinkman_49, Pipsqueak_50, Placalicious_49, Plata_49, Plmatters_50, Podrick_50, Pops_50, Poster_44, Potter_49, Prickles_50, Prince_45, ProfessorX_50, Puhltonio_50, QueenBeane_50, QueenPie_44, Quesadilla_51, Quisquiliae_50, RawrgerThat_46, Reccee_50, RedMaple_50, RedRaider89_51, Renkei_44, Reprobate_49, Rich_48, Ricotta_49, Riggan_50, Rimu_50, Rinkes_50, Rita130_49, Riverton_50, Robyn_49, Roliet_50, Roscoe_51, Roy17_50, SDcharge11_50, Saguaro_51, Salazzle_50, SallyH_51, Samaymay_50, SassyCat97_49, Schadenfreude_49, Schueller_49, Scoot17C_51, Scrick_50, Selr12_50, Septica_49, Serendipitous_49, Serendipity_50, Serpentine_0050, ShadowBud_50, Sheila_50, Shenyu_49, ShiVal_50, Sigman_51, SilverBell_50, Simielle_49, SirBeauregard_50, SirJeffery_49, Skippy_50, Slatt_50, Soile_50, Solosis_49, Sophia_49, Soto_50, Spartan300_50, Squid_50, Squiggle_50, Stinger_44, StinkyVeggy_50, Struggle_49, Suffolk_50, Suigeneris_50, Surely_50, Swiphy_50, Swish_51, TallGrassMM_50, Taraxa_50, Telesworld_49, Thonko_48, Thora_50, ThreeOh3D2_51, Thunderbird_49, Timmi_49, TomBombadil_50, Tomlarah_50, Toni_49, TooFast2Furius_51, Tooj_50, Triad_50, True_49, Trypo_51, TyrionL_49, UAch1_50, UncleHowie_50, Usavi_50, Vaishali24_49, Valjean_50, Vaticameos_46, Vectra_49, Veritas_49, Vincenzo_46, VioletZ_47, Virapocalypse_50, Virgeve_49, Vista_50, Vivaldi_51, Vortex_50, Waleliano_45, Wallhey_49, Waterdiva_50, Weher20_50, Windsor_49, Xavier_49, Xincheng_44, Yoshand_51, YouGoGlencoco_50, Zaider_51, Zelda_50, Zemanar_46, Zenteno07_54, Zonia_50,

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

Genes that do not have the "Most Annotated" start:
• Abinghost_48, Akoma_48, AksarBAT_44, Allegro_49, AnClar_44, AnarQue_46, Applejacks_29, Arbiter_48, Ares_49, Athena_49, Audrey_48, Axumite_43, Baloo_48, Bananafish_49, Ben11_47, Bernardo_49, BiggityBass_43, Blackpen_46, Blocker23_49, BobRoss2024_42, Boyle_49, Briakila_49, Brownie5_49, CaiB_46, Calamitous_49, Casbah_47, Causa_66, ChaChing_48, Chalmers_48, Chandler_48, CharlottesWeb_43, Chentzyk_48, CloverMinnie_46, Coco2012_43, Coffee_49, Coldpizza_45, Compostia_49, Corofin_48, Daisy_48, Deenasa_48, Devonte_48, Eaglehorse_49, EmiRose_29, Evaa_43, Faze9_48, FelixTres_46, FrenchFry_49, Fresco_43, FuzzBuster_60, Gadjet_49, Gervas_48, Glass_49, GlenHope_49, Glubnar_49, Godines_49, Gustav_29, Halfpint_47, HarveySr_48, Heathcliff_48, Hedgerow_49, Holeinone_49, ItsyBitsy1_49, Jackstina_45, JellyBelly_43, Kaleb_49, Kamiyu_48, Kheth_49, Kolhan_49, Kronus_47, Lars_49, Laurie_48, Lephleur_49, LestyG_48, Ligma_43, LilSmirk_49, LittleMunchkin_45, LizLemon_49, Mahdia_29, MakoManhole_46, Mariokart_43, Marley1013_48, Marlia_48, MasterPo_49, MmasiCarm_48, Morrissey_30, Mortcellus_47, Morty007_48, MossRose_46, Mulaychimus_48, NHagos_44, Neos5_48, Nozo_48, Obutu_48, Olivio_47, Opia_49,

OrangeOswald_48, Phaedrus_46, Phantasmagoria_49, Phayeta_49, Philly_47, Phlyer_48, Pine5_41, Pipefish_50, PrinceCharming_49, Puppers_29, Qyrzula_46, RagingRooster_48, Rhinoforte_49, Rita1961_48, RomaT_48, Rosebush_48, Sabella_48, Shatter_43, Shenandoah_48, Sisko_43, SlippinJimmy_48, Sour_48, StAugustine_64, SwainyDoc_48, SynergyX_48, TA17A_50, TPA2_56, Tinciduntsolum_50, TinyTerror_48, TraderJ_46, Tres_49, Trine_28, Tydolla_48, Vic9_00048, West99_49, Widow_29, Wooper_46, WorMMAs_30, Yago84_43, Yahalom_48, Yeshua_46, Yinz_48,

Summary by start number:

Start 21:
• Found in 39 of 541 (7.2%) of genes in pham
• Manual Annotations of this start: 1 of 476
• Called 2.6% of time when present
• Phage (with cluster) where this start called: FuzzBuster_60 (GM),

Start 24:
• Found in 404 of 541 (74.7%) of genes in pham
• Manual Annotations of this start: 353 of 476
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 39HC_043 (B6), 40BC_043 (B6), ABU_51 (B1), AbsoluteMadLad_49 (B1), Acadian_50 (B5), Adriana_51 (B1), Aelin_49 (B1), Ahwei_44 (B4), AlanGrant_47 (B4), Aleia_50 (B1), AltPhacts_50 (B1), Altwerkus_49 (B1), Anderson_50 (B1), Andre_51 (B1), AngelCake_50 (B1), Antihero_44 (B4), Antonia_49 (B1), Aonishiki_50 (B1), Apex_46 (B4), Apizium_50 (B1), Ashraf_50 (B1), Austelle_46 (B4), Azuria_49 (B1), Badfish_51 (B1), Baee_49 (B5), Banjo_49 (B1), Basato_51 (B1), BatteryCK_49 (B1), Beaglebox_49 (B1), BirdsNest_52 (B13), Bishoperium_49 (B1), BlackStallion_51 (B1), BlacksBerry_49 (B1), BlueHusk_50 (B1), Bluephacebaby_49 (B1), BobbyK_46 (B4), Boehler_50 (B1), BoogieWoogie_50 (B1), Brilliant_50 (B1), BrownCNA_47 (B4), Buckeye_50 (B1), Burr_49 (B1), CRB2_51 (B9), CamL_50 (B1), CampRoach_51 (B1), Cannibal_50 (B1), Carthage_48 (B1), Caspiboi_49 (B1), Chaelin_50 (B1), Chah_52 (B1), Charles1_50 (B1), CharlieGBrown_49 (B1), CheetO_50 (B1), Cher_49 (B1), Childish_49 (B1), Chipette_51 (B1), Chorkpop_50 (B1), ChrisnMich_45 (B4), Chuni_50 (B1), Chunky_50 (B1), Chute_50 (B1), Cobra_50 (B1), Colbert_50 (B1), Coletti_50 (B1), Cooper_46 (B4), Cornbread_49 (B1), Cornobble_49 (B1), Cosmolli16_49 (B1), Craff_51 (B1), Crownjwl_50 (B1), DaddyDaniels_50 (B1), Daffy_50 (B1), Daka_51 (B1), Dati_50 (B1), DelRivs_49 (B1), Derpp_49 (B1), Dice_49 (B1), DigitDog_49 (B5), Dingo_50 (B1), Dione_49 (B1), DirtJuice_50 (B1), Doddsville_50 (B1), DoesntMatter_49 (B1), DolOn_53 (B1), DonSanchon_49 (B1), Donny_50 (B5), DuchessDung_49 (B1), Duggie_49 (B1), Durga_51 (B1), EastView9101_48 (B5), ElvisPhasley_51 (B1), EmGer13_50 (B1), Emiris_51 (B1), EmpTee_50 (B1), Epah_44 (B4), Eremos_50 (B1), Etaye_50 (B1), Eugenia_50 (B1), Fanaw_44 (B4), Fang_51 (B1), Flake_50 (B1), FleetyMac_50 (B1), FluffyNinja_51 (B1), ForDig_43 (B6), Fortunato_46 (B4), Fozzie_49 (B1), Frankicide_50 (B1), Frederick_46 (B4), FremontTroll_49 (B1), Freya_49 (B1), FriarPreacher_49 (B1), Fringe_51 (B1), FugateOSU_49 (B1), Funsized_53 (B9), Gareth_49 (B1), GeneCoco_50 (B1), GinPorsche_45 (B4), Giraffe_50 (B1), Gophee_50 (B1), Grand2040_49 (B1), GreenChile_51 (B1), Gwennie1_50 (B1), Gwilliam_50 (B1), Gyarad_0050 (B1), HSavage_50 (B1), Haimas_50 (B1), Haleema_49 (B1), Hally898_44 (B4), Hamish_50 (B1), Hangman_45 (B4), Happabalu_50 (B1), Hartsy_50 (B1), Harvey_50 (B1), Hashim76_52 (B13), Heath_44 (B4), Hekos_47

(B1), Held_50 (B1), HenryJackson_49 (B1), Hertubise_50 (B1), Hetaeria_50 (B1), HighStump_50 (B1), Hocus_49 (B1), HogWash_50 (B1), Horchata_50 (B1), Hosp_041 (B6), Hydro_45 (B4), ImtiyazSitla_50 (B1), Imvubu_42 (B10), Inchworm_51 (B1), Indlovu_47 (B11), Inverness_50 (B1), Iridessa_50 (B1), Iridoclysis_50 (B1), IsaacEli_51 (B1), JAMaL_45 (B4), JDog_49 (B1), JacAttac_51 (B1), JaguarMi_45 (B4), JakeO_49 (B1), JangoPhett_50 (B1), Jbug01_50 (B1), Jesabah_50 (B1), Jillium_49 (B1), Jiminy_49 (B1), Jiraiya_49 (B1), Jolie1_043 (B6), JoyceMaria_45 (B4), KLucky39_50 (B1), Kahve_49 (B1), Kailash_50 (B1), KarasumaRum_50 (B5), Karn_49 (B1), Katniss_51 (B1), KayaCho_43 (B6), Keitherie_50 (B1), Khan1_49 (B1), Kikipoo_51 (B1), Kimbrough_50 (B1), KingTut_41 (B1), KingVeVeVe_50 (B1), Kiwot_50 (B1), KlimbOn_50 (B1), Kloppinator_51 (B1), Knocker_51 (B9), Kwadwo_49 (B1), Kwksand96_49 (B1), Labeouficaum_49 (B1), Lambano_44 (B4), Larson_52 (B1), LasagnaCat_51 (B1), Lasso_50 (B1), LeeLot_50 (B1), Lego3393_49 (B1), Legolas_50 (B1), Lehmann_50 (B1), LeiMonet_50 (B1), LemonSlice_50 (B1), LilMcDreamy_47 (B12), LittleDigger_44 (B4), LittleMinkey_55 (B13), Lolalove_46 (B4), Longacauda_49 (B1), Lopsy_49 (B1), LostAndPhound_49 (B1), LuckyMarjie_49 (B1), Lulumae_49 (B1), Lulwa_50 (B1), Lumine_49 (B1), MRabcd_49 (B1), Mag7_49 (B1), Magic8_50 (B1), Magpie_44 (B4), Mana_49 (B1), Manad_50 (B1), Maru_49 (B1), Maskar_50 (B1), Matalotodo_50 (B1), Mcshane_49 (B1), Mecca_49 (B1), Megamind20_50 (B1), Megatron_51 (B1), Melc17_50 (B1), MelsMeow_50 (B1), Mesh1_50 (B1), Mesmerelda_49 (B1), MichaelPhcott_49 (B1), Mikota_50 (B1), MiniBoss_50 (B1), Minnow_44 (B6), MitKao_50 (B1), Mithril_45 (B4), Morgushi_50 (B1), Morty_51 (B1), Mosaic_49 (B1), MrPhizzler_50 (B1), Mudslide_45 (B4), Mulan_50 (B1), Murdoc_50 (B1), Mutante_49 (B1), Mysterious_48 (B5), Nacho_0051 (B1), Nanao_44 (B4), Nangang_49 (B5), Nathan_50 (B1), Nehemiah_49 (B5), Nehme_49 (B1), Newman_50 (B1), NiaNia_53 (B1), Nicole21_50 (B1), Nigel_44 (B4), Nova1_50 (B1), Numberten_50 (B1), Nyala_49 (B1), OSmaximus_51 (B1), Olak_49 (B1), Oline_49 (B1), Olive_50 (B1), OliverWalter_50 (B1), Omniscient_50 (B1), OneBrain_51 (B1), Oosterbaan_50 (B1), Orfeu_49 (B1), Orion_51 (B1), Orwigg_49 (B1), PG1_51 (B1), Pacifista_49 (B1), PallasAthena_49 (B1), PenguinLover67_51 (B9), Phamished_51 (B1), Phareon_50 (B1), PhatCats2014_51 (B1), PhatLouie_50 (B1), Phelemich_48 (B5), PhenghisKhan_49 (B1), Pherdinand_51 (B1), Phergie_50 (B1), Phipps_50 (B1), Phleuron_49 (B1), PhrankReynolds_48 (B1), PhrodoBaggins_50 (B1), Phunky_50 (B1), Piglet_0050 (B1), PinheadLarry_50 (B1), Pinkman_49 (B1), Pipsqueak_50 (B1), Placalicious_49 (B1), Plata_49 (B1), Plmatters_50 (B1), Podrick_50 (B1), Pops_50 (B1), Poster_44 (B4), Potter_49 (B1), Prickles_50 (B1), Prince_45 (B4), ProfessorX_50 (B1), Puhltonio_50 (B1), QueenBeane_50 (B1), QueenPie_44 (B4), Quesadilla_51 (B9), Quisquiliae_50 (B1), RawrgerThat_46 (B4), Reccee_50 (B5), RedMaple_50 (B1), RedRaider89_51 (B1), Renkei_44 (B4), Reprobate_49 (B5), Rich_48 (B5), Ricotta_49 (B1), Riggan_50 (B1), Rimu_50 (B1), Rinkes_50 (B9), Rita130_49 (B5), Riverton_50 (B1), Robyn_49 (B1), Roliet_50 (B1), Roscoe_51 (B1), Roy17_50 (B1), SDcharge11_50 (B1), Saguaro_51 (B7), Salazzle_50 (B1), SallyH_51 (B1), Samaymay_50 (B1), SassyCat97_49 (B1), Schadenfreude_49 (B1), Schueller_49 (B1), Scoot17C_51 (B1), Scrick_50 (B1), Selr12_50 (B1), Septica_49 (B1), Serendipitous_49 (B5), Serendipity_50 (B1), Serpentine_0050 (B1), ShadowBud_50 (B1), Sheila_50 (B1), Shenyu_49 (B5), ShiVal_50 (B1), Sigman_51 (B1), SilverBell_50 (B1), Simielle_49 (B1), SirBeauregard_50 (B1), SirJeffery_49 (B5), Skippy_50 (B1), Slatt_50 (B1), Soile_50 (B1), Solosis_49 (B1), Sophia_49 (B1), Soto_50 (B1), Spartan300_50 (B1), Squid_50 (B1), Squiggle_50 (B1), Stinger_44 (B4), StinkyVeggy_50 (B5), Struggle_49 (B1), Suffolk_50 (B1), Suigeneris_50 (B5), Surely_50 (B1), Swiphy_50 (B1), Swish_51 (B1), TallGrassMM_50 (B1), Taraxa_50 (B1), Telesworld_49 (B1), Thonko_48 (B8), Thora_50 (B1), ThreeOh3D2_51 (B1), Thunderbird_49 (B1), Timmi_49 (B1),

TomBombadil_50 (B1), Tomlarah_50 (B1), Toni_49 (B1), TooFast2Furius_51 (B1), Tooj_50 (B1), Triad_50 (B1), True_49 (B1), Trypo_51 (B1), TyrionL_49 (B1), UAch1_50 (B1), UncleHowie_50 (B1), Usavi_50 (B1), Vaishali24_49 (B1), Valjean_50 (B1), Vaticameos_46 (B1), Vectra_49 (B1), Veritas_49 (B1), Vincenzo_46 (B4), VioletZ_47 (B4), Virapocalypse_50 (B1), Virgeve_49 (B1), Vista_50 (B1), Vivaldi_51 (B1), Vortex_50 (B1), Waleliano_45 (B4), Wallhey_49 (B1), Waterdiva_50 (B1), Weher20_50 (B1), Windsor_49 (B1), Xavier_49 (B1), Xincheng_44 (B4), Yoshand_51 (B1), YouGoGlencoco_50 (B1), Zaider_51 (B1), Zelda_50 (B1), Zemanar_46 (B4), Zenteno07_54 (B13), Zonia_50 (B1),

Start 25:
• Found in 2 of 541 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 476
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Puppers_29 (CD), Widow_29 (CD),

Start 26:
• Found in 64 of 541 (11.8%) of genes in pham
• Manual Annotations of this start: 59 of 476
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abinghost_48 (B3), Akoma_48 (B3), Applejacks_29 (CD), Athena_49 (B3), Audrey_48 (B3), Baloo_48 (B3), Ben11_47 (B3), Bernardo_49 (B3), Briakila_49 (B3), Casbah_47 (B3), ChaChing_48 (B3), Chalmers_48 (B3), Chandler_48 (B3), Chentzyk_48 (B3), Coldpizza_45 (DR), Compostia_49 (B3), Corofin_48 (B3), Daisy_48 (B3), Deenasa_48 (B3), Devonte_48 (B3), EmiRose_29 (singleton), Evaa_43 (DR), Gadjet_49 (B3), Gervas_48 (B3), GlenHope_49 (B3), Glubnar_49 (B3), Gustav_29 (CD), Halfpint_47 (B3), HarveySr_48 (B3), Heathcliff_48 (B3), Jackstina_45 (B3), Kamiyu_48 (B3), Kronus_47 (B3), LestyG_48 (B3), Mahdia_29 (CD), Marley1013_48 (B3), Marlia_48 (B3), MmasiCarm_48 (B3), Morrissey_30 (CD), Mortcellus_47 (B3), Morty007_48 (B3), Mulaychimus_48 (B3), Neos5_48 (B3), Nozo_48 (B3), Obutu_48 (B3), Olivio_47 (B3), OrangeOswald_48 (B3), Phaedrus_46 (B3), Phayeta_49 (B3), Philly_47 (B3), Phlyer_48 (B3), Pipefish_50 (B3), RagingRooster_48 (B3), Rita1961_48 (B3), RomaT_48 (B3), Shenandoah_48 (B3), SlippinJimmy_48 (B3), SwainyDoc_48 (B3), SynergyX_48 (B3), TinyTerror_48 (B3), Tydolla_48 (B3), WorMMAs_30 (UNK), Yahalom_48 (B3), Yinz_48 (B3),

Start 28:
• Found in 1 of 541 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 476
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sour_48 (DR),

Start 29:
• Found in 69 of 541 (12.8%) of genes in pham
• Manual Annotations of this start: 59 of 476
• Called 97.1% of time when present
• Phage (with cluster) where this start called: AksarBAT_44 (DR), Allegro_49 (B2), AnClar_44 (DR), AnarQue_46 (DR), Arbiter_48 (B2), Ares_49 (B2), Axumite_43 (DR), Bananafish_49 (B2), BiggityBass_43 (DR), Blackpen_46 (DR), Blocker23_49 (B2), BobRoss2024_42 (DR), Boyle_49 (B2), Brownie5_49 (B2), CaiB_46 (DR), Calamitous_49 (B2), Causa_66 (AI), CharlottesWeb_43 (DR), CloverMinnie_46 (DR), Coco2012_43 (DR), Coffee_49 (B2), Eaglehorse_49 (B2), Faze9_48 (B2),

FelixTres_46 (DR), FrenchFry_49 (B2), Fresco_43 (DR), Glass_49 (B2), Godines_49 (B2), Hedgerow_49 (B2), Holeinone_49 (B2), ItsyBitsy1_49 (B2), JellyBelly_43 (DR), Kaleb_49 (B2), Kheth_49 (B2), Kolhan_49 (B2), Lars_49 (B2), Laurie_48 (B2), Lephleur_49 (B2), Ligma_43 (DR), LilSmirk_49 (B2), LittleMunchkin_45 (DR), LizLemon_49 (B2), MakoManhole_46 (DR), Mariokart_43 (DR), MasterPo_49 (B2), MossRose_46 (DR), NHagos_44 (DR), Opia_49 (B2), Phantasmagoria_49 (B2), PrinceCharming_49 (B2), Qyrzula_46 (B2), Rhinoforte_49 (B2), Rosebush_48 (B2), Sabella_48 (B2), Shatter_43 (DR), Sisko_43 (DR), StAugustine_64 (AI), TA17A_50 (B2), TPA2_56 (singleton), Tinciduntsolum_50 (B2), TraderJ_46 (DR), Tres_49 (B2), Vic9_00048 (B2), West99_49 (B2), Wooper_46 (DR), Yago84_43 (DR), Yeshua_46 (DR),

Start 30:
• Found in 1 of 541 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pine5_41 (singleton),

Start 33:
• Found in 1 of 541 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 476
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Trine_28 (CD),

Summary by clusters:

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

Info for manual annotations of cluster AI:
•Start number 29 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B1:
•Start number 24 was manually annotated 297 times for cluster B1.

Info for manual annotations of cluster B10:
•Start number 24 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:
•Start number 24 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 24 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:
•Start number 24 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:
•Start number 29 was manually annotated 37 times for cluster B2.

Info for manual annotations of cluster B3:
•Start number 26 was manually annotated 53 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 24 was manually annotated 29 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 24 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 24 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 24 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 24 was manually annotated 6 times for cluster B9.

Info for manual annotations of cluster CD:
•Start number 25 was manually annotated 2 times for cluster CD.
•Start number 26 was manually annotated 3 times for cluster CD.
•Start number 33 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster DR:
•Start number 26 was manually annotated 2 times for cluster DR.
•Start number 28 was manually annotated 1 time for cluster DR.
•Start number 29 was manually annotated 20 times for cluster DR.

Info for manual annotations of cluster GM:
•Start number 21 was manually annotated 1 time for cluster GM.

Gene Information:

Gene: 39HC_043 Start: 42090, Stop: 41461, Start Num: 24
Candidate Starts for 39HC_043:
(8, 42204), (Start: 24 @42090 has 353 MA's), (53, 41889), (54, 41886), (56, 41880), (59, 41856), (74, 41784),

Gene: 40BC_043 Start: 42090, Stop: 41461, Start Num: 24
Candidate Starts for 40BC_043:
(8, 42204), (Start: 24 @42090 has 353 MA's), (53, 41889), (54, 41886), (56, 41880), (59, 41856), (74, 41784),

Gene: ABU_51 Start: 43912, Stop: 43292, Start Num: 24
Candidate Starts for ABU_51:
(Start: 24 @43912 has 353 MA's), (36, 43816), (53, 43714), (54, 43711), (56, 43705), (59, 43681), (61, 43672), (69, 43639), (74, 43612), (98, 43480), (99, 43477), (108, 43417),

Gene: Abinghost_48 Start: 43205, Stop: 42660, Start Num: 26
Candidate Starts for Abinghost_48:

(Start: 26 @43205 has 59 MA's), (47, 43055), (68, 42968), (72, 42953), (75, 42941), (83, 42911), (90, 42890), (97, 42851), (99, 42845), (101, 42836), (105, 42809),

Gene: AbsoluteMadLad_49 Start: 43789, Stop: 43169, Start Num: 24
Candidate Starts for AbsoluteMadLad_49:
(Start: 24 @43789 has 353 MA's), (36, 43693), (53, 43591), (54, 43588), (56, 43582), (59, 43558), (61, 43549), (69, 43516), (74, 43489), (98, 43357), (99, 43354), (108, 43294),

Gene: Acadian_50 Start: 44698, Stop: 44096, Start Num: 24
Candidate Starts for Acadian_50:
(Start: 24 @44698 has 353 MA's), (37, 44578), (54, 44470), (56, 44464), (59, 44440), (105, 44242), (108, 44218), (118, 44161),

Gene: Adriana_51 Start: 43910, Stop: 43290, Start Num: 24
Candidate Starts for Adriana_51:
(Start: 24 @43910 has 353 MA's), (36, 43814), (53, 43712), (54, 43709), (56, 43703), (59, 43679), (61, 43670), (69, 43637), (74, 43610), (98, 43478), (99, 43475), (108, 43415),

Gene: Aelin_49 Start: 43353, Stop: 42733, Start Num: 24
Candidate Starts for Aelin_49:
(Start: 24 @43353 has 353 MA's), (36, 43257), (53, 43155), (54, 43152), (56, 43146), (59, 43122), (61, 43113), (69, 43080), (74, 43053), (98, 42921), (99, 42918), (108, 42858),

Gene: Ahwei_44 Start: 43292, Stop: 42684, Start Num: 24
Candidate Starts for Ahwei_44:
(Start: 24 @43292 has 353 MA's), (36, 43202), (56, 43088), (59, 43064), (62, 43052), (73, 43001), (89, 42914), (93, 42890), (97, 42869), (98, 42866), (112, 42788),

Gene: Akoma_48 Start: 43216, Stop: 42671, Start Num: 26
Candidate Starts for Akoma_48:
(Start: 26 @43216 has 59 MA's), (42, 43087), (47, 43066), (68, 42979), (72, 42964), (75, 42952), (83, 42922), (90, 42901), (97, 42862), (99, 42856), (101, 42847), (105, 42820),

Gene: AksarBAT_44 Start: 37461, Stop: 36970, Start Num: 29
Candidate Starts for AksarBAT_44:
(Start: 29 @37461 has 59 MA's), (63, 37281), (66, 37269), (75, 37236), (87, 37203), (88, 37191), (89, 37188), (97, 37149), (105, 37107), (113, 37065), (122, 37002),

Gene: AlanGrant_47 Start: 44903, Stop: 44286, Start Num: 24
Candidate Starts for AlanGrant_47:
(Start: 24 @44903 has 353 MA's), (36, 44801), (37, 44792), (51, 44714), (54, 44693), (56, 44687), (59, 44663), (74, 44594), (78, 44570), (79, 44564), (80, 44558), (84, 44540), (91, 44507), (93, 44489), (98, 44465), (99, 44462), (104, 44444), (112, 44387),

Gene: Aleia_50 Start: 43346, Stop: 42726, Start Num: 24
Candidate Starts for Aleia_50:
(Start: 24 @43346 has 353 MA's), (36, 43250), (53, 43148), (54, 43145), (56, 43139), (59, 43115), (61, 43106), (69, 43073), (74, 43046), (98, 42914), (99, 42911), (108, 42851),

Gene: Allegro_49 Start: 43473, Stop: 42961, Start Num: 29
Candidate Starts for Allegro_49:
(Start: 21 @43563 has 1 MA's), (Start: 29 @43473 has 59 MA's), (75, 43245), (83, 43215), (87, 43212), (88, 43200), (90, 43194), (97, 43155), (99, 43149), (103, 43134), (122, 43002),

Gene: AltPhacts_50 Start: 43762, Stop: 43142, Start Num: 24
Candidate Starts for AltPhacts_50:
(Start: 24 @43762 has 353 MA's), (36, 43666), (39, 43639), (53, 43564), (54, 43561), (56, 43555), (59, 43531), (61, 43522), (69, 43489), (74, 43462), (82, 43420), (98, 43330), (99, 43327), (108, 43267),

Gene: Altwerkus_49 Start: 43468, Stop: 42848, Start Num: 24
Candidate Starts for Altwerkus_49:
(Start: 24 @43468 has 353 MA's), (36, 43372), (53, 43270), (54, 43267), (56, 43261), (59, 43237), (61, 43228), (69, 43195), (74, 43168), (98, 43036), (99, 43033), (108, 42973),

Gene: AnClar_44 Start: 39415, Stop: 38918, Start Num: 29
Candidate Starts for AnClar_44:
(Start: 29 @39415 has 59 MA's), (63, 39232), (66, 39220), (72, 39199), (75, 39187), (97, 39097), (99, 39091), (105, 39055), (107, 39034), (113, 39013),

Gene: AnarQue_46 Start: 38876, Stop: 38382, Start Num: 29
Candidate Starts for AnarQue_46:
(Start: 29 @38876 has 59 MA's), (46, 38777), (55, 38735), (63, 38696), (66, 38684), (72, 38663), (75, 38651), (83, 38615), (91, 38591), (97, 38555), (99, 38549), (108, 38486), (113, 38468),

Gene: Anderson_50 Start: 43767, Stop: 43147, Start Num: 24
Candidate Starts for Anderson_50:
(Start: 24 @43767 has 353 MA's), (36, 43671), (53, 43569), (54, 43566), (56, 43560), (59, 43536), (61, 43527), (69, 43494), (74, 43467), (98, 43335), (99, 43332), (108, 43272),

Gene: Andre_51 Start: 43904, Stop: 43284, Start Num: 24
Candidate Starts for Andre_51:
(Start: 24 @43904 has 353 MA's), (36, 43808), (53, 43706), (54, 43703), (56, 43697), (59, 43673), (61, 43664), (69, 43631), (74, 43604), (98, 43472), (99, 43469), (108, 43409),

Gene: AngelCake_50 Start: 43789, Stop: 43169, Start Num: 24
Candidate Starts for AngelCake_50:
(Start: 24 @43789 has 353 MA's), (36, 43693), (53, 43591), (54, 43588), (56, 43582), (59, 43558), (61, 43549), (69, 43516), (74, 43489), (98, 43357), (99, 43354), (108, 43294),

Gene: Antihero_44 Start: 43292, Stop: 42684, Start Num: 24
Candidate Starts for Antihero_44:
(Start: 24 @43292 has 353 MA's), (36, 43202), (56, 43088), (59, 43064), (62, 43052), (73, 43001), (89, 42914), (93, 42890), (97, 42869), (98, 42866), (112, 42788),

Gene: Antonia_49 Start: 43353, Stop: 42733, Start Num: 24
Candidate Starts for Antonia_49:
(Start: 24 @43353 has 353 MA's), (36, 43257), (53, 43155), (54, 43152), (56, 43146), (59, 43122), (61, 43113), (69, 43080), (74, 43053), (98, 42921), (99, 42918), (108, 42858),

Gene: Aonishiki_50 Start: 43810, Stop: 43190, Start Num: 24
Candidate Starts for Aonishiki_50:
(Start: 24 @43810 has 353 MA's), (36, 43714), (53, 43612), (54, 43609), (56, 43603), (59, 43579), (61, 43570), (69, 43537), (74, 43510), (98, 43378), (99, 43375), (108, 43315),

Gene: Apex_46 Start: 44536, Stop: 43922, Start Num: 24
Candidate Starts for Apex_46:

(Start: 24 @44536 has 353 MA's), (36, 44443), (56, 44329), (59, 44305), (62, 44293), (73, 44242), (89, 44155), (93, 44131), (97, 44110), (98, 44107), (111, 44032),

Gene: Apizium_50 Start: 43668, Stop: 43048, Start Num: 24
Candidate Starts for Apizium_50:
(Start: 24 @43668 has 353 MA's), (36, 43572), (53, 43470), (54, 43467), (56, 43461), (59, 43437), (61, 43428), (69, 43395), (74, 43368), (98, 43236), (99, 43233), (108, 43173),

Gene: Applejacks_29 Start: 22952, Stop: 22404, Start Num: 26
Candidate Starts for Applejacks_29:
(Start: 26 @22952 has 59 MA's), (31, 22901), (51, 22793), (75, 22682), (102, 22577), (106, 22550), (107, 22532), (108, 22529), (109, 22526), (110, 22520), (113, 22511),

Gene: Arbiter_48 Start: 43576, Stop: 43037, Start Num: 29
Candidate Starts for Arbiter_48:
(Start: 21 @43666 has 1 MA's), (Start: 29 @43576 has 59 MA's), (75, 43321), (83, 43291), (87, 43288), (88, 43276), (90, 43270), (97, 43231), (99, 43225), (103, 43210), (122, 43078), (128, 43057),

Gene: Ares_49 Start: 43545, Stop: 43021, Start Num: 29
Candidate Starts for Ares_49:
(Start: 21 @43635 has 1 MA's), (Start: 29 @43545 has 59 MA's), (75, 43305), (83, 43275), (87, 43272), (88, 43260), (90, 43254), (97, 43215), (99, 43209), (103, 43194), (122, 43062), (128, 43041),

Gene: Ashraf_50 Start: 43469, Stop: 42849, Start Num: 24
Candidate Starts for Ashraf_50:
(Start: 24 @43469 has 353 MA's), (36, 43373), (53, 43271), (54, 43268), (56, 43262), (59, 43238), (61, 43229), (69, 43196), (74, 43169), (98, 43037), (99, 43034), (108, 42974),

Gene: Athena_49 Start: 43963, Stop: 43418, Start Num: 26
Candidate Starts for Athena_49:
(Start: 26 @43963 has 59 MA's), (42, 43834), (47, 43813), (68, 43726), (72, 43711), (75, 43699), (83, 43669), (90, 43648), (97, 43609), (99, 43603), (101, 43594), (105, 43567),

Gene: Audrey_48 Start: 43211, Stop: 42666, Start Num: 26
Candidate Starts for Audrey_48:
(Start: 26 @43211 has 59 MA's), (42, 43082), (47, 43061), (68, 42974), (72, 42959), (75, 42947), (83, 42917), (90, 42896), (97, 42857), (99, 42851), (101, 42842), (105, 42815),

Gene: Austelle_46 Start: 44986, Stop: 44372, Start Num: 24
Candidate Starts for Austelle_46:
(Start: 24 @44986 has 353 MA's), (36, 44893), (56, 44779), (59, 44755), (62, 44743), (73, 44692), (89, 44605), (93, 44581), (97, 44560), (98, 44557), (111, 44482),

Gene: Axumite_43 Start: 36579, Stop: 36085, Start Num: 29
Candidate Starts for Axumite_43:
(Start: 29 @36579 has 59 MA's), (75, 36354), (95, 36276), (97, 36264), (105, 36222), (113, 36180), (127, 36099),

Gene: Azuria_49 Start: 43804, Stop: 43184, Start Num: 24
Candidate Starts for Azuria_49:
(Start: 24 @43804 has 353 MA's), (36, 43708), (53, 43606), (54, 43603), (56, 43597), (59, 43573), (61, 43564), (69, 43531), (74, 43504), (98, 43372), (99, 43369), (108, 43309),

Gene: Badfish_51 Start: 43935, Stop: 43315, Start Num: 24
Candidate Starts for Badfish_51:
(Start: 24 @43935 has 353 MA's), (36, 43839), (53, 43737), (54, 43734), (56, 43728), (59, 43704), (61, 43695), (69, 43662), (74, 43635), (98, 43503), (99, 43500), (108, 43440),

Gene: Baee_49 Start: 44576, Stop: 43974, Start Num: 24
Candidate Starts for Baee_49:
(11, 44687), (Start: 24 @44576 has 353 MA's), (37, 44456), (54, 44348), (56, 44342), (59, 44318), (98, 44159), (105, 44120), (108, 44096), (116, 44045),

Gene: Baloo_48 Start: 43214, Stop: 42669, Start Num: 26
Candidate Starts for Baloo_48:
(Start: 26 @43214 has 59 MA's), (42, 43085), (47, 43064), (68, 42977), (72, 42962), (75, 42950), (83, 42920), (90, 42899), (97, 42860), (99, 42854), (101, 42845), (105, 42818),

Gene: Bananafish_49 Start: 43479, Stop: 42955, Start Num: 29
Candidate Starts for Bananafish_49:
(Start: 21 @43569 has 1 MA's), (Start: 29 @43479 has 59 MA's), (75, 43239), (83, 43209), (87, 43206), (88, 43194), (90, 43188), (97, 43149), (99, 43143), (103, 43128), (122, 42996), (128, 42975),

Gene: Banjo_49 Start: 43466, Stop: 42846, Start Num: 24
Candidate Starts for Banjo_49:
(Start: 24 @43466 has 353 MA's), (36, 43370), (53, 43268), (54, 43265), (56, 43259), (59, 43235), (61, 43226), (69, 43193), (74, 43166), (98, 43034), (99, 43031), (108, 42971),

Gene: Basato_51 Start: 44051, Stop: 43431, Start Num: 24
Candidate Starts for Basato_51:
(Start: 24 @44051 has 353 MA's), (36, 43955), (53, 43853), (54, 43850), (56, 43844), (59, 43820), (61, 43811), (69, 43778), (74, 43751), (98, 43619), (99, 43616), (108, 43556),

Gene: BatteryCK_49 Start: 43409, Stop: 42789, Start Num: 24
Candidate Starts for BatteryCK_49:
(Start: 24 @43409 has 353 MA's), (36, 43313), (53, 43211), (54, 43208), (56, 43202), (59, 43178), (61, 43169), (69, 43136), (74, 43109), (98, 42977), (99, 42974), (108, 42914),

Gene: Beaglebox_49 Start: 43487, Stop: 42867, Start Num: 24
Candidate Starts for Beaglebox_49:
(Start: 24 @43487 has 353 MA's), (36, 43391), (53, 43289), (54, 43286), (56, 43280), (59, 43256), (61, 43247), (69, 43214), (74, 43187), (98, 43055), (99, 43052), (108, 42992),

Gene: Ben11_47 Start: 43034, Stop: 42489, Start Num: 26
Candidate Starts for Ben11_47:
(Start: 26 @43034 has 59 MA's), (47, 42884), (68, 42797), (72, 42782), (75, 42770), (83, 42740), (90, 42719), (97, 42680), (99, 42674), (101, 42665), (105, 42638),

Gene: Bernardo_49 Start: 43760, Stop: 43215, Start Num: 26
Candidate Starts for Bernardo_49:
(Start: 26 @43760 has 59 MA's), (42, 43631), (47, 43610), (68, 43523), (72, 43508), (75, 43496), (83, 43466), (90, 43445), (97, 43406), (99, 43400), (101, 43391), (105, 43364),

Gene: BiggityBass_43 Start: 38887, Stop: 38390, Start Num: 29
Candidate Starts for BiggityBass_43:

(2, 39208), (12, 39031), (Start: 29 @38887 has 59 MA's), (46, 38779), (63, 38704), (65, 38695), (66, 38692), (75, 38659), (92, 38593), (95, 38581), (97, 38569), (105, 38527), (107, 38506), (113, 38485),

Gene: BirdsNest_52 Start: 43048, Stop: 42431, Start Num: 24
Candidate Starts for BirdsNest_52:
(Start: 24 @43048 has 353 MA's), (46, 42847), (52, 42820), (59, 42778), (93, 42640), (98, 42616), (108, 42553), (116, 42502),

Gene: Bishoperium_49 Start: 43481, Stop: 42861, Start Num: 24
Candidate Starts for Bishoperium_49:
(Start: 24 @43481 has 353 MA's), (36, 43385), (53, 43283), (54, 43280), (56, 43274), (59, 43250), (61, 43241), (69, 43208), (74, 43181), (98, 43049), (99, 43046), (108, 42986),

Gene: BlackStallion_51 Start: 43941, Stop: 43321, Start Num: 24
Candidate Starts for BlackStallion_51:
(Start: 24 @43941 has 353 MA's), (36, 43845), (53, 43743), (54, 43740), (56, 43734), (59, 43710), (61, 43701), (69, 43668), (74, 43641), (98, 43509), (99, 43506), (108, 43446),

Gene: Blackpen_46 Start: 38294, Stop: 37800, Start Num: 29
Candidate Starts for Blackpen_46:
(Start: 29 @38294 has 59 MA's), (46, 38195), (55, 38153), (63, 38114), (66, 38102), (72, 38081), (75, 38069), (83, 38033), (91, 38009), (97, 37973), (99, 37967), (108, 37904), (113, 37886),

Gene: BlacksBerry_49 Start: 43502, Stop: 42882, Start Num: 24
Candidate Starts for BlacksBerry_49:
(Start: 24 @43502 has 353 MA's), (36, 43406), (53, 43304), (54, 43301), (56, 43295), (59, 43271), (61, 43262), (69, 43229), (74, 43202), (98, 43070), (99, 43067), (108, 43007),

Gene: Blocker23_49 Start: 43597, Stop: 43073, Start Num: 29
Candidate Starts for Blocker23_49:
(Start: 21 @43687 has 1 MA's), (Start: 29 @43597 has 59 MA's), (75, 43357), (83, 43327), (87, 43324), (88, 43312), (90, 43306), (97, 43267), (99, 43261), (122, 43114),

Gene: BlueHusk_50 Start: 43287, Stop: 42667, Start Num: 24
Candidate Starts for BlueHusk_50:
(Start: 24 @43287 has 353 MA's), (36, 43191), (53, 43089), (54, 43086), (56, 43080), (59, 43056), (61, 43047), (69, 43014), (74, 42987), (98, 42855), (99, 42852), (108, 42792),

Gene: Bluephacebaby_49 Start: 43484, Stop: 42864, Start Num: 24
Candidate Starts for Bluephacebaby_49:
(Start: 24 @43484 has 353 MA's), (36, 43388), (53, 43286), (54, 43283), (56, 43277), (59, 43253), (61, 43244), (69, 43211), (74, 43184), (98, 43052), (99, 43049), (108, 42989),

Gene: BobRoss2024_42 Start: 36607, Stop: 36095, Start Num: 29
Candidate Starts for BobRoss2024_42:
(Start: 29 @36607 has 59 MA's), (46, 36493), (59, 36439), (61, 36433), (72, 36388), (75, 36376), (76, 36373), (90, 36319), (95, 36292), (97, 36280), (105, 36238), (113, 36196), (122, 36133),

Gene: BobbyK_46 Start: 44328, Stop: 43717, Start Num: 24
Candidate Starts for BobbyK_46:
(Start: 24 @44328 has 353 MA's), (36, 44238), (56, 44124), (59, 44100), (62, 44088), (73, 44037), (89, 43950), (93, 43926), (97, 43905), (98, 43902), (111, 43827),

Gene: Boehler_50 Start: 43790, Stop: 43170, Start Num: 24
Candidate Starts for Boehler_50:
(Start: 24 @43790 has 353 MA's), (36, 43694), (53, 43592), (54, 43589), (56, 43583), (59, 43559), (61, 43550), (69, 43517), (74, 43490), (98, 43358), (99, 43355), (108, 43295),

Gene: BoogieWoogie_50 Start: 43471, Stop: 42851, Start Num: 24
Candidate Starts for BoogieWoogie_50:
(Start: 24 @43471 has 353 MA's), (36, 43375), (53, 43273), (54, 43270), (56, 43264), (59, 43240), (61, 43231), (69, 43198), (74, 43171), (98, 43039), (99, 43036), (108, 42976),

Gene: Boyle_49 Start: 43612, Stop: 43073, Start Num: 29
Candidate Starts for Boyle_49:
(Start: 21 @43702 has 1 MA's), (Start: 29 @43612 has 59 MA's), (75, 43357), (83, 43327), (87, 43324), (88, 43312), (90, 43306), (97, 43267), (99, 43261), (103, 43246), (122, 43114), (128, 43093),

Gene: Briakila_49 Start: 43982, Stop: 43437, Start Num: 26
Candidate Starts for Briakila_49:
(Start: 26 @43982 has 59 MA's), (47, 43832), (68, 43745), (72, 43730), (75, 43718), (83, 43688), (90, 43667), (97, 43628), (99, 43622), (101, 43613), (105, 43586),

Gene: Brilliant_50 Start: 43483, Stop: 42863, Start Num: 24
Candidate Starts for Brilliant_50:
(Start: 24 @43483 has 353 MA's), (36, 43387), (53, 43285), (54, 43282), (56, 43276), (59, 43252), (61, 43243), (69, 43210), (74, 43183), (98, 43051), (99, 43048), (108, 42988),

Gene: BrownCNA_47 Start: 44607, Stop: 43996, Start Num: 24
Candidate Starts for BrownCNA_47:
(Start: 24 @44607 has 353 MA's), (36, 44517), (56, 44403), (59, 44379), (62, 44367), (73, 44316), (89, 44229), (93, 44205), (97, 44184), (98, 44181), (111, 44106), (112, 44103),

Gene: Brownie5_49 Start: 43628, Stop: 43089, Start Num: 29
Candidate Starts for Brownie5_49:
(Start: 21 @43718 has 1 MA's), (Start: 29 @43628 has 59 MA's), (75, 43373), (83, 43343), (87, 43340), (88, 43328), (90, 43322), (97, 43283), (99, 43277), (103, 43262), (122, 43130),

Gene: Buckeye_50 Start: 43804, Stop: 43184, Start Num: 24
Candidate Starts for Buckeye_50:
(Start: 24 @43804 has 353 MA's), (36, 43708), (53, 43606), (54, 43603), (56, 43597), (59, 43573), (61, 43564), (69, 43531), (74, 43504), (98, 43372), (99, 43369), (108, 43309),

Gene: Burr_49 Start: 43478, Stop: 42858, Start Num: 24
Candidate Starts for Burr_49:
(Start: 24 @43478 has 353 MA's), (36, 43382), (53, 43280), (54, 43277), (56, 43271), (59, 43247), (61, 43238), (69, 43205), (74, 43178), (98, 43046), (99, 43043), (108, 42983),

Gene: CRB2_51 Start: 46714, Stop: 46073, Start Num: 24
Candidate Starts for CRB2_51:
(Start: 24 @46714 has 353 MA's), (52, 46504), (56, 46486), (59, 46462), (74, 46390), (80, 46354), (86, 46327), (93, 46282), (97, 46261), (108, 46195), (116, 46144),

Gene: CaiB_46 Start: 38862, Stop: 38368, Start Num: 29
Candidate Starts for CaiB_46:

(Start: 29 @38862 has 59 MA's), (46, 38763), (55, 38721), (63, 38682), (66, 38670), (72, 38649), (75, 38637), (83, 38601), (91, 38577), (97, 38541), (99, 38535), (108, 38472), (113, 38454),

Gene: Calamitous_49 Start: 43478, Stop: 42960, Start Num: 29
Candidate Starts for Calamitous_49:
(Start: 21 @43568 has 1 MA's), (Start: 29 @43478 has 59 MA's), (75, 43244), (83, 43214), (87, 43211), (88, 43199), (90, 43193), (97, 43154), (99, 43148), (103, 43133), (122, 43001),

Gene: CamL_50 Start: 43773, Stop: 43153, Start Num: 24
Candidate Starts for CamL_50:
(Start: 24 @43773 has 353 MA's), (36, 43677), (53, 43575), (54, 43572), (56, 43566), (59, 43542), (61, 43533), (69, 43500), (74, 43473), (98, 43341), (99, 43338), (108, 43278),

Gene: CampRoach_51 Start: 43907, Stop: 43287, Start Num: 24
Candidate Starts for CampRoach_51:
(Start: 24 @43907 has 353 MA's), (36, 43811), (53, 43709), (54, 43706), (56, 43700), (59, 43676), (61, 43667), (69, 43634), (74, 43607), (98, 43475), (99, 43472), (108, 43412),

Gene: Cannibal_50 Start: 43756, Stop: 43136, Start Num: 24
Candidate Starts for Cannibal_50:
(Start: 24 @43756 has 353 MA's), (36, 43660), (53, 43558), (54, 43555), (56, 43549), (59, 43525), (61, 43516), (69, 43483), (74, 43456), (98, 43324), (99, 43321), (108, 43261),

Gene: Carthage_48 Start: 42703, Stop: 42083, Start Num: 24
Candidate Starts for Carthage_48:
(Start: 24 @42703 has 353 MA's), (36, 42607), (53, 42505), (54, 42502), (56, 42496), (59, 42472), (61, 42463), (69, 42430), (74, 42403), (98, 42271), (99, 42268), (108, 42208),

Gene: Casbah_47 Start: 43064, Stop: 42519, Start Num: 26
Candidate Starts for Casbah_47:
(Start: 26 @43064 has 59 MA's), (47, 42914), (68, 42827), (72, 42812), (75, 42800), (83, 42770), (90, 42749), (97, 42710), (99, 42704), (101, 42695), (105, 42668),

Gene: Caspiboi_49 Start: 43482, Stop: 42862, Start Num: 24
Candidate Starts for Caspiboi_49:
(Start: 24 @43482 has 353 MA's), (36, 43386), (53, 43284), (54, 43281), (56, 43275), (59, 43251), (61, 43242), (69, 43209), (74, 43182), (98, 43050), (99, 43047), (108, 42987),

Gene: Causa_66 Start: 51649, Stop: 51119, Start Num: 29
Candidate Starts for Causa_66:
(Start: 29 @51649 has 59 MA's), (49, 51529), (59, 51472), (68, 51436), (75, 51409), (76, 51406), (83, 51376), (87, 51373), (97, 51316), (122, 51169),

Gene: ChaChing_48 Start: 43227, Stop: 42682, Start Num: 26
Candidate Starts for ChaChing_48:
(Start: 26 @43227 has 59 MA's), (47, 43077), (68, 42990), (72, 42975), (75, 42963), (83, 42933), (90, 42912), (97, 42873), (99, 42867), (101, 42858), (105, 42831),

Gene: Chaelin_50 Start: 43479, Stop: 42859, Start Num: 24
Candidate Starts for Chaelin_50:
(Start: 24 @43479 has 353 MA's), (36, 43383), (53, 43281), (54, 43278), (56, 43272), (59, 43248), (61, 43239), (69, 43206), (74, 43179), (98, 43047), (99, 43044), (108, 42984),

Gene: Chah_52 Start: 43934, Stop: 43314, Start Num: 24
Candidate Starts for Chah_52:
(Start: 24 @43934 has 353 MA's), (36, 43838), (53, 43736), (54, 43733), (56, 43727), (59, 43703), (61, 43694), (69, 43661), (74, 43634), (98, 43502), (99, 43499), (108, 43439),

Gene: Chalmers_48 Start: 44019, Stop: 43474, Start Num: 26
Candidate Starts for Chalmers_48:
(Start: 26 @44019 has 59 MA's), (42, 43890), (47, 43869), (68, 43782), (72, 43767), (75, 43755), (83, 43725), (90, 43704), (97, 43665), (99, 43659), (101, 43650), (105, 43623),

Gene: Chandler_48 Start: 43995, Stop: 43450, Start Num: 26
Candidate Starts for Chandler_48:
(Start: 26 @43995 has 59 MA's), (42, 43866), (47, 43845), (68, 43758), (72, 43743), (75, 43731), (83, 43701), (90, 43680), (97, 43641), (99, 43635), (101, 43626), (105, 43599),

Gene: Charles1_50 Start: 43764, Stop: 43144, Start Num: 24
Candidate Starts for Charles1_50:
(Start: 24 @43764 has 353 MA's), (36, 43668), (53, 43566), (54, 43563), (56, 43557), (59, 43533), (61, 43524), (69, 43491), (74, 43464), (98, 43332), (99, 43329), (108, 43269),

Gene: CharlieGBrown_49 Start: 43354, Stop: 42734, Start Num: 24
Candidate Starts for CharlieGBrown_49:
(Start: 24 @43354 has 353 MA's), (36, 43258), (53, 43156), (54, 43153), (56, 43147), (59, 43123), (61, 43114), (69, 43081), (74, 43054), (98, 42922), (99, 42919), (108, 42859),

Gene: CharlottesWeb_43 Start: 36404, Stop: 35910, Start Num: 29
Candidate Starts for CharlottesWeb_43:
(Start: 29 @36404 has 59 MA's), (46, 36299), (63, 36224), (66, 36212), (72, 36191), (75, 36179), (87, 36146), (91, 36125), (95, 36101), (97, 36089), (99, 36083), (105, 36047), (107, 36026), (113, 36005), (127, 35924),

Gene: CheetO_50 Start: 43796, Stop: 43176, Start Num: 24
Candidate Starts for CheetO_50:
(Start: 24 @43796 has 353 MA's), (36, 43700), (53, 43598), (54, 43595), (56, 43589), (59, 43565), (61, 43556), (69, 43523), (74, 43496), (98, 43364), (99, 43361), (108, 43301),

Gene: Chentzyk_48 Start: 43576, Stop: 43031, Start Num: 26
Candidate Starts for Chentzyk_48:
(Start: 26 @43576 has 59 MA's), (47, 43426), (68, 43339), (72, 43324), (75, 43312), (83, 43282), (90, 43261), (97, 43222), (99, 43216), (101, 43207), (105, 43180),

Gene: Cher_49 Start: 43501, Stop: 42881, Start Num: 24
Candidate Starts for Cher_49:
(Start: 24 @43501 has 353 MA's), (36, 43405), (53, 43303), (54, 43300), (56, 43294), (59, 43270), (61, 43261), (69, 43228), (74, 43201), (98, 43069), (99, 43066), (108, 43006),

Gene: Childish_49 Start: 43504, Stop: 42884, Start Num: 24
Candidate Starts for Childish_49:
(Start: 24 @43504 has 353 MA's), (36, 43408), (53, 43306), (54, 43303), (56, 43297), (59, 43273), (61, 43264), (69, 43231), (74, 43204), (98, 43072), (99, 43069), (108, 43009),

Gene: Chipette_51 Start: 43994, Stop: 43374, Start Num: 24
Candidate Starts for Chipette_51:

(Start: 24 @43994 has 353 MA's), (36, 43898), (53, 43796), (54, 43793), (56, 43787), (59, 43763), (61, 43754), (69, 43721), (74, 43694), (98, 43562), (99, 43559), (108, 43499),

Gene: Chorkpop_50 Start: 43512, Stop: 42892, Start Num: 24
Candidate Starts for Chorkpop_50:
(Start: 24 @43512 has 353 MA's), (36, 43416), (53, 43314), (54, 43311), (56, 43305), (59, 43281), (61, 43272), (69, 43239), (74, 43212), (98, 43080), (99, 43077), (108, 43017),

Gene: ChrisnMich_45 Start: 43294, Stop: 42686, Start Num: 24
Candidate Starts for ChrisnMich_45:
(Start: 24 @43294 has 353 MA's), (36, 43204), (56, 43090), (59, 43066), (62, 43054), (73, 43003), (93, 42892), (97, 42871), (98, 42868), (112, 42790),

Gene: Chuni_50 Start: 43798, Stop: 43178, Start Num: 24
Candidate Starts for Chuni_50:
(Start: 24 @43798 has 353 MA's), (36, 43702), (53, 43600), (54, 43597), (56, 43591), (59, 43567), (61, 43558), (69, 43525), (74, 43498), (98, 43366), (99, 43363), (108, 43303),

Gene: Chunky_50 Start: 43800, Stop: 43180, Start Num: 24
Candidate Starts for Chunky_50:
(Start: 24 @43800 has 353 MA's), (36, 43704), (39, 43677), (53, 43602), (54, 43599), (56, 43593), (59, 43569), (61, 43560), (69, 43527), (74, 43500), (82, 43458), (98, 43368), (99, 43365), (108, 43305),

Gene: Chute_50 Start: 43828, Stop: 43208, Start Num: 24
Candidate Starts for Chute_50:
(Start: 24 @43828 has 353 MA's), (36, 43732), (53, 43630), (54, 43627), (56, 43621), (59, 43597), (61, 43588), (69, 43555), (74, 43528), (98, 43396), (99, 43393), (108, 43333),

Gene: CloverMinnie_46 Start: 38802, Stop: 38308, Start Num: 29
Candidate Starts for CloverMinnie_46:
(Start: 29 @38802 has 59 MA's), (46, 38703), (55, 38661), (63, 38622), (66, 38610), (72, 38589), (75, 38577), (83, 38541), (91, 38517), (97, 38481), (99, 38475), (108, 38412), (113, 38394),

Gene: Cobra_50 Start: 43785, Stop: 43165, Start Num: 24
Candidate Starts for Cobra_50:
(Start: 24 @43785 has 353 MA's), (36, 43689), (53, 43587), (54, 43584), (56, 43578), (59, 43554), (61, 43545), (69, 43512), (74, 43485), (98, 43353), (99, 43350), (108, 43290),

Gene: Coco2012_43 Start: 36398, Stop: 35904, Start Num: 29
Candidate Starts for Coco2012_43:
(Start: 29 @36398 has 59 MA's), (46, 36293), (63, 36218), (66, 36206), (72, 36185), (75, 36173), (91, 36119), (95, 36095), (97, 36083), (99, 36077), (105, 36041), (107, 36020), (113, 35999), (127, 35918),

Gene: Coffee_49 Start: 43587, Stop: 43063, Start Num: 29
Candidate Starts for Coffee_49:
(Start: 21 @43677 has 1 MA's), (Start: 29 @43587 has 59 MA's), (75, 43347), (83, 43317), (87, 43314), (88, 43302), (90, 43296), (97, 43257), (99, 43251), (103, 43236), (122, 43104),

Gene: Colbert_50 Start: 43852, Stop: 43232, Start Num: 24
Candidate Starts for Colbert_50:
(Start: 24 @43852 has 353 MA's), (36, 43756), (53, 43654), (54, 43651), (56, 43645), (59, 43621), (61, 43612), (69, 43579), (74, 43552), (98, 43420), (99, 43417), (108, 43357),

Gene: Coldpizza_45 Start: 40387, Stop: 39884, Start Num: 26
Candidate Starts for Coldpizza_45:
(Start: 26 @40387 has 59 MA's), (44, 40282), (75, 40156), (83, 40129), (89, 40111), (97, 40069), (101, 40054), (106, 40024), (113, 39985), (122, 39922),

Gene: Coletti_50 Start: 43828, Stop: 43208, Start Num: 24
Candidate Starts for Coletti_50:
(Start: 24 @43828 has 353 MA's), (36, 43732), (53, 43630), (54, 43627), (56, 43621), (59, 43597), (61, 43588), (69, 43555), (74, 43528), (98, 43396), (99, 43393), (108, 43333),

Gene: Compostia_49 Start: 43643, Stop: 43098, Start Num: 26
Candidate Starts for Compostia_49:
(Start: 26 @43643 has 59 MA's), (42, 43514), (47, 43493), (68, 43406), (72, 43391), (75, 43379), (83, 43349), (90, 43328), (97, 43289), (99, 43283), (101, 43274), (105, 43247),

Gene: Cooper_46 Start: 43502, Stop: 42888, Start Num: 24
Candidate Starts for Cooper_46:
(Start: 24 @43502 has 353 MA's), (36, 43409), (56, 43295), (59, 43271), (74, 43202), (93, 43097), (97, 43076), (98, 43073), (112, 42995),

Gene: Cornbread_49 Start: 43501, Stop: 42881, Start Num: 24
Candidate Starts for Cornbread_49:
(Start: 24 @43501 has 353 MA's), (36, 43405), (53, 43303), (54, 43300), (56, 43294), (59, 43270), (61, 43261), (69, 43228), (74, 43201), (98, 43069), (99, 43066), (108, 43006),

Gene: Cornobble_49 Start: 43342, Stop: 42722, Start Num: 24
Candidate Starts for Cornobble_49:
(Start: 24 @43342 has 353 MA's), (36, 43246), (53, 43144), (54, 43141), (56, 43135), (59, 43111), (61, 43102), (69, 43069), (74, 43042), (98, 42910), (99, 42907), (108, 42847),

Gene: Corofin_48 Start: 43238, Stop: 42693, Start Num: 26
Candidate Starts for Corofin_48:
(Start: 26 @43238 has 59 MA's), (42, 43109), (47, 43088), (68, 43001), (72, 42986), (75, 42974), (83, 42944), (90, 42923), (97, 42884), (99, 42878), (101, 42869), (105, 42842),

Gene: Cosmolli16_49 Start: 43492, Stop: 42872, Start Num: 24
Candidate Starts for Cosmolli16_49:
(Start: 24 @43492 has 353 MA's), (36, 43396), (53, 43294), (54, 43291), (56, 43285), (59, 43261), (61, 43252), (69, 43219), (74, 43192), (98, 43060), (99, 43057), (108, 42997),

Gene: Craff_51 Start: 43920, Stop: 43300, Start Num: 24
Candidate Starts for Craff_51:
(Start: 24 @43920 has 353 MA's), (36, 43824), (53, 43722), (54, 43719), (56, 43713), (59, 43689), (61, 43680), (69, 43647), (74, 43620), (98, 43488), (99, 43485), (108, 43425),

Gene: Crownjwl_50 Start: 43561, Stop: 42941, Start Num: 24
Candidate Starts for Crownjwl_50:
(Start: 24 @43561 has 353 MA's), (36, 43465), (39, 43438), (53, 43363), (54, 43360), (56, 43354), (59, 43330), (61, 43321), (69, 43288), (74, 43261), (82, 43219), (98, 43129), (99, 43126), (108, 43066),

Gene: DaddyDaniels_50 Start: 43473, Stop: 42853, Start Num: 24
Candidate Starts for DaddyDaniels_50:

(Start: 24 @43473 has 353 MA's), (36, 43377), (53, 43275), (54, 43272), (56, 43266), (59, 43242), (61, 43233), (69, 43200), (74, 43173), (82, 43131), (98, 43041), (99, 43038), (108, 42978),

Gene: Daffy_50 Start: 43498, Stop: 42878, Start Num: 24
Candidate Starts for Daffy_50:
(Start: 24 @43498 has 353 MA's), (36, 43402), (53, 43300), (54, 43297), (56, 43291), (59, 43267), (61, 43258), (69, 43225), (74, 43198), (98, 43066), (99, 43063), (108, 43003),

Gene: Daisy_48 Start: 43239, Stop: 42694, Start Num: 26
Candidate Starts for Daisy_48:
(Start: 26 @43239 has 59 MA's), (47, 43089), (68, 43002), (72, 42987), (75, 42975), (83, 42945), (90, 42924), (97, 42885), (99, 42879), (101, 42870), (105, 42843),

Gene: Daka_51 Start: 43777, Stop: 43157, Start Num: 24
Candidate Starts for Daka_51:
(Start: 24 @43777 has 353 MA's), (36, 43681), (53, 43579), (54, 43576), (56, 43570), (59, 43546), (61, 43537), (69, 43504), (74, 43477), (98, 43345), (99, 43342), (108, 43282),

Gene: Dati_50 Start: 43501, Stop: 42881, Start Num: 24
Candidate Starts for Dati_50:
(Start: 24 @43501 has 353 MA's), (36, 43405), (53, 43303), (54, 43300), (56, 43294), (59, 43270), (61, 43261), (69, 43228), (74, 43201), (98, 43069), (99, 43066), (108, 43006),

Gene: Deenasa_48 Start: 43974, Stop: 43429, Start Num: 26
Candidate Starts for Deenasa_48:
(3, 44259), (Start: 26 @43974 has 59 MA's), (47, 43824), (68, 43737), (72, 43722), (75, 43710), (83, 43680), (90, 43659), (97, 43620), (99, 43614), (101, 43605), (105, 43578),

Gene: DelRivs_49 Start: 43505, Stop: 42885, Start Num: 24
Candidate Starts for DelRivs_49:
(Start: 24 @43505 has 353 MA's), (36, 43409), (53, 43307), (54, 43304), (56, 43298), (59, 43274), (61, 43265), (69, 43232), (74, 43205), (98, 43073), (99, 43070), (108, 43010),

Gene: Derpp_49 Start: 43343, Stop: 42723, Start Num: 24
Candidate Starts for Derpp_49:
(Start: 24 @43343 has 353 MA's), (36, 43247), (53, 43145), (54, 43142), (56, 43136), (59, 43112), (61, 43103), (69, 43070), (74, 43043), (82, 43001), (98, 42911), (99, 42908), (108, 42848),

Gene: Devonte_48 Start: 43203, Stop: 42658, Start Num: 26
Candidate Starts for Devonte_48:
(Start: 26 @43203 has 59 MA's), (42, 43074), (47, 43053), (68, 42966), (72, 42951), (75, 42939), (83, 42909), (90, 42888), (97, 42849), (99, 42843), (101, 42834), (105, 42807),

Gene: Dice_49 Start: 43469, Stop: 42849, Start Num: 24
Candidate Starts for Dice_49:
(Start: 24 @43469 has 353 MA's), (36, 43373), (53, 43271), (54, 43268), (56, 43262), (59, 43238), (61, 43229), (69, 43196), (74, 43169), (98, 43037), (99, 43034), (108, 42974),

Gene: DigitDog_49 Start: 44414, Stop: 43812, Start Num: 24
Candidate Starts for DigitDog_49:
(Start: 24 @44414 has 353 MA's), (37, 44294), (54, 44186), (56, 44180), (59, 44156), (93, 44021), (97, 44000), (105, 43958), (108, 43934), (118, 43877),

Gene: Dingo_50 Start: 43768, Stop: 43148, Start Num: 24
Candidate Starts for Dingo_50:
(Start: 24 @43768 has 353 MA's), (36, 43672), (53, 43570), (54, 43567), (56, 43561), (59, 43537), (61, 43528), (69, 43495), (74, 43468), (82, 43426), (98, 43336), (99, 43333), (108, 43273),

Gene: Dione_49 Start: 43477, Stop: 42857, Start Num: 24
Candidate Starts for Dione_49:
(Start: 24 @43477 has 353 MA's), (36, 43381), (53, 43279), (54, 43276), (56, 43270), (59, 43246), (61, 43237), (69, 43204), (74, 43177), (98, 43045), (99, 43042), (108, 42982),

Gene: DirtJuice_50 Start: 43767, Stop: 43147, Start Num: 24
Candidate Starts for DirtJuice_50:
(Start: 24 @43767 has 353 MA's), (36, 43671), (53, 43569), (54, 43566), (56, 43560), (59, 43536), (61, 43527), (69, 43494), (74, 43467), (98, 43335), (99, 43332), (108, 43272),

Gene: Doddsville_50 Start: 43497, Stop: 42877, Start Num: 24
Candidate Starts for Doddsville_50:
(Start: 24 @43497 has 353 MA's), (36, 43401), (53, 43299), (54, 43296), (56, 43290), (59, 43266), (61, 43257), (69, 43224), (74, 43197), (82, 43155), (98, 43065), (99, 43062), (108, 43002),

Gene: DoesntMatter_49 Start: 43770, Stop: 43150, Start Num: 24
Candidate Starts for DoesntMatter_49:
(Start: 24 @43770 has 353 MA's), (36, 43674), (53, 43572), (54, 43569), (56, 43563), (59, 43539), (61, 43530), (69, 43497), (74, 43470), (98, 43338), (99, 43335), (108, 43275),

Gene: DolOn_53 Start: 44145, Stop: 43525, Start Num: 24
Candidate Starts for DolOn_53:
(Start: 24 @44145 has 353 MA's), (36, 44049), (53, 43947), (54, 43944), (56, 43938), (59, 43914), (61, 43905), (69, 43872), (74, 43845), (98, 43713), (99, 43710), (108, 43650),

Gene: DonSanchon_49 Start: 43480, Stop: 42860, Start Num: 24
Candidate Starts for DonSanchon_49:
(Start: 24 @43480 has 353 MA's), (36, 43384), (53, 43282), (54, 43279), (56, 43273), (59, 43249), (61, 43240), (69, 43207), (74, 43180), (98, 43048), (99, 43045), (108, 42985),

Gene: Donny_50 Start: 44705, Stop: 44103, Start Num: 24
Candidate Starts for Donny_50:
(11, 44816), (Start: 24 @44705 has 353 MA's), (37, 44585), (54, 44477), (56, 44471), (59, 44447), (105, 44249), (108, 44225),

Gene: DuchessDung_49 Start: 42769, Stop: 42149, Start Num: 24
Candidate Starts for DuchessDung_49:
(Start: 24 @42769 has 353 MA's), (36, 42673), (53, 42571), (54, 42568), (56, 42562), (59, 42538), (61, 42529), (69, 42496), (74, 42469), (82, 42427), (98, 42337), (99, 42334), (108, 42274),

Gene: Duggie_49 Start: 43499, Stop: 42879, Start Num: 24
Candidate Starts for Duggie_49:
(Start: 24 @43499 has 353 MA's), (36, 43403), (53, 43301), (54, 43298), (56, 43292), (59, 43268), (61, 43259), (69, 43226), (74, 43199), (82, 43157), (98, 43067), (99, 43064), (108, 43004),

Gene: Durga_51 Start: 43935, Stop: 43315, Start Num: 24
Candidate Starts for Durga_51:

(Start: 24 @43935 has 353 MA's), (36, 43839), (53, 43737), (54, 43734), (56, 43728), (59, 43704), (61, 43695), (69, 43662), (74, 43635), (98, 43503), (99, 43500), (108, 43440),

Gene: Eaglehorse_49 Start: 43513, Stop: 42989, Start Num: 29
Candidate Starts for Eaglehorse_49:
(Start: 21 @43603 has 1 MA's), (Start: 29 @43513 has 59 MA's), (75, 43273), (83, 43243), (87, 43240), (88, 43228), (90, 43222), (97, 43183), (99, 43177), (103, 43162), (122, 43030), (128, 43009),

Gene: EastView9101_48 Start: 44355, Stop: 43753, Start Num: 24
Candidate Starts for EastView9101_48:
(11, 44466), (Start: 24 @44355 has 353 MA's), (37, 44235), (54, 44127), (56, 44121), (59, 44097), (105, 43899), (108, 43875),

Gene: ElvisPhasley_51 Start: 43957, Stop: 43337, Start Num: 24
Candidate Starts for ElvisPhasley_51:
(Start: 24 @43957 has 353 MA's), (36, 43861), (53, 43759), (54, 43756), (56, 43750), (59, 43726), (61, 43717), (69, 43684), (74, 43657), (98, 43525), (99, 43522), (108, 43462),

Gene: EmGer13_50 Start: 43353, Stop: 42733, Start Num: 24
Candidate Starts for EmGer13_50:
(Start: 24 @43353 has 353 MA's), (36, 43257), (53, 43155), (54, 43152), (56, 43146), (59, 43122), (61, 43113), (69, 43080), (74, 43053), (98, 42921), (99, 42918), (108, 42858),

Gene: EmiRose_29 Start: 22644, Stop: 22114, Start Num: 26
Candidate Starts for EmiRose_29:
(Start: 26 @22644 has 59 MA's), (75, 22389), (110, 22230),

Gene: Emiris_51 Start: 43903, Stop: 43283, Start Num: 24
Candidate Starts for Emiris_51:
(Start: 24 @43903 has 353 MA's), (36, 43807), (53, 43705), (54, 43702), (56, 43696), (59, 43672), (61, 43663), (69, 43630), (74, 43603), (98, 43471), (99, 43468), (108, 43408),

Gene: EmpTee_50 Start: 43783, Stop: 43163, Start Num: 24
Candidate Starts for EmpTee_50:
(Start: 24 @43783 has 353 MA's), (36, 43687), (39, 43660), (53, 43585), (54, 43582), (56, 43576), (59, 43552), (61, 43543), (69, 43510), (74, 43483), (82, 43441), (98, 43351), (99, 43348), (108, 43288),

Gene: Epah_44 Start: 43292, Stop: 42684, Start Num: 24
Candidate Starts for Epah_44:
(Start: 24 @43292 has 353 MA's), (36, 43202), (56, 43088), (59, 43064), (62, 43052), (73, 43001), (89, 42914), (93, 42890), (97, 42869), (98, 42866), (112, 42788),

Gene: Eremos_50 Start: 43776, Stop: 43156, Start Num: 24
Candidate Starts for Eremos_50:
(Start: 24 @43776 has 353 MA's), (36, 43680), (53, 43578), (54, 43575), (56, 43569), (59, 43545), (61, 43536), (69, 43503), (74, 43476), (98, 43344), (99, 43341), (108, 43281),

Gene: Etaye_50 Start: 43770, Stop: 43150, Start Num: 24
Candidate Starts for Etaye_50:
(Start: 24 @43770 has 353 MA's), (36, 43674), (53, 43572), (54, 43569), (56, 43563), (59, 43539), (61, 43530), (69, 43497), (74, 43470), (98, 43338), (99, 43335), (108, 43275),

Gene: Eugenia_50 Start: 43780, Stop: 43160, Start Num: 24

Candidate Starts for Eugenia_50:
(Start: 24 @43780 has 353 MA's), (36, 43684), (53, 43582), (54, 43579), (56, 43573), (59, 43549), (61, 43540), (69, 43507), (74, 43480), (98, 43348), (99, 43345), (108, 43285),

Gene: Evaa_43 Start: 37468, Stop: 36944, Start Num: 26
Candidate Starts for Evaa_43:
(Start: 26 @37468 has 59 MA's), (46, 37330), (75, 37213), (87, 37183), (88, 37171), (89, 37168), (99, 37120), (101, 37111), (106, 37081), (113, 37042), (122, 36979),

Gene: Fanaw_44 Start: 43988, Stop: 43377, Start Num: 24
Candidate Starts for Fanaw_44:
(Start: 24 @43988 has 353 MA's), (36, 43898), (56, 43784), (59, 43760), (62, 43748), (73, 43697), (89, 43610), (93, 43586), (97, 43565), (98, 43562), (111, 43487),

Gene: Fang_51 Start: 43928, Stop: 43308, Start Num: 24
Candidate Starts for Fang_51:
(Start: 24 @43928 has 353 MA's), (36, 43832), (53, 43730), (54, 43727), (56, 43721), (59, 43697), (61, 43688), (69, 43655), (74, 43628), (98, 43496), (99, 43493), (108, 43433),

Gene: Faze9_48 Start: 43607, Stop: 43083, Start Num: 29
Candidate Starts for Faze9_48:
(Start: 21 @43697 has 1 MA's), (Start: 29 @43607 has 59 MA's), (75, 43367), (83, 43337), (87, 43334), (88, 43322), (90, 43316), (97, 43277), (99, 43271), (103, 43256), (122, 43124), (128, 43103),

Gene: FelixTres_46 Start: 38865, Stop: 38371, Start Num: 29
Candidate Starts for FelixTres_46:
(Start: 29 @38865 has 59 MA's), (46, 38766), (55, 38724), (63, 38685), (66, 38673), (72, 38652), (75, 38640), (83, 38604), (91, 38580), (97, 38544), (99, 38538), (108, 38475), (113, 38457),

Gene: Flake_50 Start: 43835, Stop: 43215, Start Num: 24
Candidate Starts for Flake_50:
(Start: 24 @43835 has 353 MA's), (36, 43739), (53, 43637), (54, 43634), (56, 43628), (59, 43604), (61, 43595), (69, 43562), (74, 43535), (98, 43403), (99, 43400), (108, 43340),

Gene: FleetyMac_50 Start: 43788, Stop: 43168, Start Num: 24
Candidate Starts for FleetyMac_50:
(Start: 24 @43788 has 353 MA's), (36, 43692), (53, 43590), (54, 43587), (56, 43581), (59, 43557), (61, 43548), (69, 43515), (74, 43488), (98, 43356), (99, 43353), (108, 43293),

Gene: FluffyNinja_51 Start: 43942, Stop: 43322, Start Num: 24
Candidate Starts for FluffyNinja_51:
(Start: 24 @43942 has 353 MA's), (36, 43846), (53, 43744), (54, 43741), (56, 43735), (59, 43711), (61, 43702), (69, 43669), (74, 43642), (98, 43510), (99, 43507), (108, 43447),

Gene: ForDig_43 Start: 42075, Stop: 41440, Start Num: 24
Candidate Starts for ForDig_43:
(Start: 24 @42075 has 353 MA's), (53, 41868), (56, 41859), (59, 41835), (74, 41763),

Gene: Fortunato_46 Start: 44349, Stop: 43735, Start Num: 24
Candidate Starts for Fortunato_46:
(Start: 24 @44349 has 353 MA's), (36, 44256), (56, 44142), (59, 44118), (62, 44106), (73, 44055), (89, 43968), (93, 43944), (97, 43923), (98, 43920), (111, 43845),

Gene: Fozzie_49 Start: 43805, Stop: 43185, Start Num: 24
Candidate Starts for Fozzie_49:
(Start: 24 @43805 has 353 MA's), (36, 43709), (53, 43607), (54, 43604), (56, 43598), (59, 43574), (61, 43565), (69, 43532), (74, 43505), (98, 43373), (99, 43370), (108, 43310),

Gene: Frankicide_50 Start: 43807, Stop: 43187, Start Num: 24
Candidate Starts for Frankicide_50:
(Start: 24 @43807 has 353 MA's), (36, 43711), (53, 43609), (54, 43606), (56, 43600), (59, 43576), (61, 43567), (69, 43534), (74, 43507), (98, 43375), (99, 43372), (108, 43312),

Gene: Frederick_46 Start: 44322, Stop: 43711, Start Num: 24
Candidate Starts for Frederick_46:
(Start: 24 @44322 has 353 MA's), (36, 44232), (56, 44118), (59, 44094), (62, 44082), (73, 44031), (89, 43944), (93, 43920), (97, 43899), (98, 43896), (111, 43821),

Gene: FremontTroll_49 Start: 43543, Stop: 42923, Start Num: 24
Candidate Starts for FremontTroll_49:
(Start: 24 @43543 has 353 MA's), (36, 43447), (53, 43345), (54, 43342), (56, 43336), (59, 43312), (61, 43303), (69, 43270), (74, 43243), (98, 43111), (99, 43108), (108, 43048),

Gene: FrenchFry_49 Start: 43586, Stop: 43077, Start Num: 29
Candidate Starts for FrenchFry_49:
(Start: 21 @43676 has 1 MA's), (Start: 29 @43586 has 59 MA's), (75, 43361), (83, 43331), (87, 43328), (88, 43316), (90, 43310), (97, 43271), (99, 43265), (103, 43250), (122, 43118), (128, 43097),

Gene: Fresco_43 Start: 36579, Stop: 36085, Start Num: 29
Candidate Starts for Fresco_43:
(Start: 29 @36579 has 59 MA's), (75, 36354), (95, 36276), (97, 36264), (105, 36222), (113, 36180), (127, 36099),

Gene: Freya_49 Start: 43468, Stop: 42848, Start Num: 24
Candidate Starts for Freya_49:
(Start: 24 @43468 has 353 MA's), (36, 43372), (53, 43270), (54, 43267), (56, 43261), (59, 43237), (61, 43228), (69, 43195), (74, 43168), (98, 43036), (99, 43033), (108, 42973),

Gene: FriarPreacher_49 Start: 43819, Stop: 43199, Start Num: 24
Candidate Starts for FriarPreacher_49:
(Start: 24 @43819 has 353 MA's), (36, 43723), (53, 43621), (54, 43618), (56, 43612), (59, 43588), (61, 43579), (69, 43546), (74, 43519), (98, 43387), (99, 43384), (108, 43324),

Gene: Fringe_51 Start: 43904, Stop: 43284, Start Num: 24
Candidate Starts for Fringe_51:
(Start: 24 @43904 has 353 MA's), (36, 43808), (53, 43706), (54, 43703), (56, 43697), (59, 43673), (61, 43664), (69, 43631), (74, 43604), (98, 43472), (99, 43469), (108, 43409),

Gene: FugateOSU_49 Start: 43482, Stop: 42862, Start Num: 24
Candidate Starts for FugateOSU_49:
(Start: 24 @43482 has 353 MA's), (36, 43386), (53, 43284), (54, 43281), (56, 43275), (59, 43251), (61, 43242), (69, 43209), (74, 43182), (98, 43050), (99, 43047), (108, 42987),

Gene: Funsized_53 Start: 47015, Stop: 46386, Start Num: 24
Candidate Starts for Funsized_53:

(Start: 24 @47015 has 353 MA's), (37, 46910), (52, 46814), (53, 46805), (54, 46802), (57, 46787), (60, 46769), (70, 46721), (74, 46697), (84, 46640), (86, 46634), (98, 46565), (108, 46502),

Gene: FuzzBuster_60 Start: 35821, Stop: 35114, Start Num: 21
Candidate Starts for FuzzBuster_60:
(Start: 21 @35821 has 1 MA's), (Start: 29 @35734 has 59 MA's), (100, 35305), (114, 35224), (115, 35203),

Gene: Gadjet_49 Start: 43226, Stop: 42681, Start Num: 26
Candidate Starts for Gadjet_49:
(Start: 26 @43226 has 59 MA's), (42, 43097), (47, 43076), (68, 42989), (72, 42974), (75, 42962), (83, 42932), (90, 42911), (97, 42872), (99, 42866), (101, 42857), (105, 42830),

Gene: Gareth_49 Start: 43476, Stop: 42856, Start Num: 24
Candidate Starts for Gareth_49:
(Start: 24 @43476 has 353 MA's), (36, 43380), (53, 43278), (54, 43275), (56, 43269), (59, 43245), (61, 43236), (69, 43203), (74, 43176), (98, 43044), (99, 43041), (108, 42981),

Gene: GeneCoco_50 Start: 43791, Stop: 43171, Start Num: 24
Candidate Starts for GeneCoco_50:
(Start: 24 @43791 has 353 MA's), (36, 43695), (53, 43593), (54, 43590), (56, 43584), (59, 43560), (61, 43551), (69, 43518), (74, 43491), (82, 43449), (98, 43359), (99, 43356), (108, 43296),

Gene: Gervas_48 Start: 43193, Stop: 42648, Start Num: 26
Candidate Starts for Gervas_48:
(Start: 26 @43193 has 59 MA's), (47, 43043), (68, 42956), (72, 42941), (75, 42929), (83, 42899), (90, 42878), (97, 42839), (99, 42833), (101, 42824), (105, 42797),

Gene: GinPorsche_45 Start: 43292, Stop: 42684, Start Num: 24
Candidate Starts for GinPorsche_45:
(Start: 24 @43292 has 353 MA's), (36, 43202), (56, 43088), (59, 43064), (62, 43052), (73, 43001), (89, 42914), (93, 42890), (97, 42869), (98, 42866), (112, 42788),

Gene: Giraffe_50 Start: 43500, Stop: 42880, Start Num: 24
Candidate Starts for Giraffe_50:
(Start: 24 @43500 has 353 MA's), (36, 43404), (53, 43302), (54, 43299), (56, 43293), (59, 43269), (61, 43260), (69, 43227), (74, 43200), (98, 43068), (99, 43065), (108, 43005),

Gene: Glass_49 Start: 43591, Stop: 43079, Start Num: 29
Candidate Starts for Glass_49:
(Start: 21 @43681 has 1 MA's), (Start: 29 @43591 has 59 MA's), (75, 43363), (83, 43333), (87, 43330), (88, 43318), (90, 43312), (97, 43273), (99, 43267), (103, 43252), (122, 43120), (128, 43099),

Gene: GlenHope_49 Start: 43206, Stop: 42661, Start Num: 26
Candidate Starts for GlenHope_49:
(Start: 26 @43206 has 59 MA's), (42, 43077), (47, 43056), (68, 42969), (72, 42954), (75, 42942), (83, 42912), (90, 42891), (99, 42846), (101, 42837), (105, 42810),

Gene: Glubnar_49 Start: 43205, Stop: 42660, Start Num: 26
Candidate Starts for Glubnar_49:
(Start: 26 @43205 has 59 MA's), (47, 43055), (68, 42968), (72, 42953), (75, 42941), (83, 42911), (90, 42890), (97, 42851), (99, 42845), (101, 42836), (105, 42809),

Gene: Godines_49 Start: 43543, Stop: 43019, Start Num: 29
Candidate Starts for Godines_49:
(Start: 21 @43633 has 1 MA's), (Start: 29 @43543 has 59 MA's), (75, 43303), (83, 43273), (87, 43270), (88, 43258), (90, 43252), (97, 43213), (99, 43207), (122, 43060),

Gene: Gophee_50 Start: 43774, Stop: 43154, Start Num: 24
Candidate Starts for Gophee_50:
(Start: 24 @43774 has 353 MA's), (36, 43678), (53, 43576), (54, 43573), (56, 43567), (59, 43543), (61, 43534), (69, 43501), (74, 43474), (98, 43342), (99, 43339), (108, 43279),

Gene: Grand2040_49 Start: 43494, Stop: 42874, Start Num: 24
Candidate Starts for Grand2040_49:
(Start: 24 @43494 has 353 MA's), (36, 43398), (53, 43296), (54, 43293), (56, 43287), (59, 43263), (61, 43254), (69, 43221), (74, 43194), (98, 43062), (99, 43059), (108, 42999),

Gene: GreenChile_51 Start: 43779, Stop: 43159, Start Num: 24
Candidate Starts for GreenChile_51:
(Start: 24 @43779 has 353 MA's), (36, 43683), (53, 43581), (54, 43578), (56, 43572), (59, 43548), (61, 43539), (69, 43506), (74, 43479), (98, 43347), (99, 43344), (108, 43284),

Gene: Gustav_29 Start: 23634, Stop: 23074, Start Num: 26
Candidate Starts for Gustav_29:
(Start: 26 @23634 has 59 MA's), (63, 23397), (75, 23352), (106, 23220), (107, 23202), (108, 23199), (109, 23196), (113, 23181),

Gene: Gwennie1_50 Start: 43840, Stop: 43220, Start Num: 24
Candidate Starts for Gwennie1_50:
(Start: 24 @43840 has 353 MA's), (36, 43744), (53, 43642), (54, 43639), (56, 43633), (59, 43609), (61, 43600), (69, 43567), (74, 43540), (98, 43408), (99, 43405), (108, 43345),

Gene: Gwilliam_50 Start: 43780, Stop: 43160, Start Num: 24
Candidate Starts for Gwilliam_50:
(Start: 24 @43780 has 353 MA's), (36, 43684), (53, 43582), (54, 43579), (56, 43573), (59, 43549), (61, 43540), (69, 43507), (74, 43480), (98, 43348), (99, 43345), (108, 43285),

Gene: Gyarad_0050 Start: 43794, Stop: 43174, Start Num: 24
Candidate Starts for Gyarad_0050:
(Start: 24 @43794 has 353 MA's), (36, 43698), (53, 43596), (54, 43593), (56, 43587), (59, 43563), (61, 43554), (69, 43521), (74, 43494), (98, 43362), (99, 43359), (108, 43299),

Gene: HSavage_50 Start: 43786, Stop: 43166, Start Num: 24
Candidate Starts for HSavage_50:
(Start: 24 @43786 has 353 MA's), (36, 43690), (39, 43663), (53, 43588), (54, 43585), (56, 43579), (59, 43555), (61, 43546), (69, 43513), (74, 43486), (98, 43354), (99, 43351), (108, 43291),

Gene: Haimas_50 Start: 43780, Stop: 43160, Start Num: 24
Candidate Starts for Haimas_50:
(Start: 24 @43780 has 353 MA's), (36, 43684), (53, 43582), (54, 43579), (56, 43573), (59, 43549), (61, 43540), (69, 43507), (74, 43480), (98, 43348), (99, 43345), (108, 43285),

Gene: Haleema_49 Start: 43494, Stop: 42874, Start Num: 24
Candidate Starts for Haleema_49:

(Start: 24 @43494 has 353 MA's), (36, 43398), (53, 43296), (54, 43293), (56, 43287), (59, 43263), (61, 43254), (69, 43221), (74, 43194), (98, 43062), (99, 43059), (108, 42999),

Gene: Halfpint_47 Start: 43031, Stop: 42486, Start Num: 26
Candidate Starts for Halfpint_47:
(Start: 26 @43031 has 59 MA's), (42, 42902), (47, 42881), (68, 42794), (72, 42779), (75, 42767), (83, 42737), (90, 42716), (97, 42677), (99, 42671), (101, 42662), (105, 42635),

Gene: Hally898_44 Start: 43304, Stop: 42696, Start Num: 24
Candidate Starts for Hally898_44:
(Start: 24 @43304 has 353 MA's), (36, 43214), (56, 43100), (59, 43076), (62, 43064), (73, 43013), (89, 42926), (93, 42902), (97, 42881), (98, 42878), (112, 42800),

Gene: Hamish_50 Start: 43772, Stop: 43152, Start Num: 24
Candidate Starts for Hamish_50:
(9, 43886), (16, 43859), (19, 43847), (Start: 24 @43772 has 353 MA's), (36, 43676), (53, 43574), (54, 43571), (56, 43565), (59, 43541), (61, 43532), (69, 43499), (74, 43472), (98, 43340), (99, 43337), (108, 43277),

Gene: Hangman_45 Start: 44428, Stop: 43820, Start Num: 24
Candidate Starts for Hangman_45:
(Start: 24 @44428 has 353 MA's), (36, 44338), (56, 44224), (59, 44200), (62, 44188), (73, 44137), (89, 44050), (93, 44026), (97, 44005), (98, 44002), (111, 43927), (112, 43924),

Gene: Happabalu_50 Start: 43501, Stop: 42881, Start Num: 24
Candidate Starts for Happabalu_50:
(Start: 24 @43501 has 353 MA's), (36, 43405), (53, 43303), (54, 43300), (56, 43294), (59, 43270), (61, 43261), (69, 43228), (74, 43201), (98, 43069), (99, 43066), (108, 43006),

Gene: Hartsy_50 Start: 43823, Stop: 43203, Start Num: 24
Candidate Starts for Hartsy_50:
(Start: 24 @43823 has 353 MA's), (36, 43727), (53, 43625), (54, 43622), (56, 43616), (59, 43592), (61, 43583), (69, 43550), (74, 43523), (98, 43391), (99, 43388), (108, 43328),

Gene: Harvey_50 Start: 43810, Stop: 43190, Start Num: 24
Candidate Starts for Harvey_50:
(Start: 24 @43810 has 353 MA's), (36, 43714), (53, 43612), (54, 43609), (56, 43603), (59, 43579), (61, 43570), (69, 43537), (74, 43510), (98, 43378), (99, 43375), (108, 43315),

Gene: HarveySr_48 Start: 43199, Stop: 42654, Start Num: 26
Candidate Starts for HarveySr_48:
(Start: 26 @43199 has 59 MA's), (47, 43049), (68, 42962), (72, 42947), (75, 42935), (83, 42905), (90, 42884), (97, 42845), (99, 42839), (101, 42830), (105, 42803),

Gene: Hashim76_52 Start: 43507, Stop: 42890, Start Num: 24
Candidate Starts for Hashim76_52:
(Start: 24 @43507 has 353 MA's), (46, 43306), (52, 43279), (59, 43237), (98, 43075), (108, 43012), (116, 42961),

Gene: Heath_44 Start: 43936, Stop: 43322, Start Num: 24
Candidate Starts for Heath_44:
(Start: 24 @43936 has 353 MA's), (36, 43843), (56, 43729), (59, 43705), (62, 43693), (73, 43642), (89, 43555), (93, 43531), (97, 43510), (98, 43507), (111, 43432),

Gene: Heathcliff_48 Start: 43177, Stop: 42632, Start Num: 26
Candidate Starts for Heathcliff_48:
(Start: 26 @43177 has 59 MA's), (42, 43048), (47, 43027), (68, 42940), (72, 42925), (75, 42913), (83, 42883), (90, 42862), (97, 42823), (99, 42817), (101, 42808), (105, 42781),

Gene: Hedgerow_49 Start: 43600, Stop: 43061, Start Num: 29
Candidate Starts for Hedgerow_49:
(Start: 21 @43690 has 1 MA's), (Start: 29 @43600 has 59 MA's), (75, 43345), (83, 43315), (87, 43312), (88, 43300), (90, 43294), (97, 43255), (99, 43249), (103, 43234), (122, 43102), (128, 43081),

Gene: Hekos_47 Start: 42349, Stop: 41729, Start Num: 24
Candidate Starts for Hekos_47:
(Start: 24 @42349 has 353 MA's), (36, 42253), (53, 42151), (54, 42148), (56, 42142), (59, 42118), (61, 42109), (69, 42076), (74, 42049), (98, 41917), (99, 41914), (108, 41854),

Gene: Held_50 Start: 43499, Stop: 42879, Start Num: 24
Candidate Starts for Held_50:
(Start: 24 @43499 has 353 MA's), (36, 43403), (53, 43301), (54, 43298), (56, 43292), (59, 43268), (61, 43259), (69, 43226), (74, 43199), (98, 43067), (99, 43064), (108, 43004),

Gene: HenryJackson_49 Start: 43494, Stop: 42874, Start Num: 24
Candidate Starts for HenryJackson_49:
(Start: 24 @43494 has 353 MA's), (36, 43398), (53, 43296), (54, 43293), (56, 43287), (59, 43263), (61, 43254), (69, 43221), (74, 43194), (98, 43062), (99, 43059), (108, 42999),

Gene: Hertubise_50 Start: 43794, Stop: 43174, Start Num: 24
Candidate Starts for Hertubise_50:
(Start: 24 @43794 has 353 MA's), (36, 43698), (53, 43596), (54, 43593), (56, 43587), (59, 43563), (61, 43554), (69, 43521), (74, 43494), (98, 43362), (99, 43359), (108, 43299),

Gene: Hetaeria_50 Start: 43811, Stop: 43191, Start Num: 24
Candidate Starts for Hetaeria_50:
(Start: 24 @43811 has 353 MA's), (36, 43715), (53, 43613), (54, 43610), (56, 43604), (59, 43580), (61, 43571), (69, 43538), (74, 43511), (98, 43379), (99, 43376), (108, 43316),

Gene: HighStump_50 Start: 43621, Stop: 43001, Start Num: 24
Candidate Starts for HighStump_50:
(Start: 24 @43621 has 353 MA's), (36, 43525), (53, 43423), (54, 43420), (56, 43414), (59, 43390), (61, 43381), (69, 43348), (74, 43321), (98, 43189), (99, 43186), (108, 43126),

Gene: Hocus_49 Start: 43483, Stop: 42863, Start Num: 24
Candidate Starts for Hocus_49:
(Start: 24 @43483 has 353 MA's), (36, 43387), (53, 43285), (54, 43282), (56, 43276), (59, 43252), (61, 43243), (69, 43210), (74, 43183), (98, 43051), (99, 43048), (108, 42988),

Gene: HogWash_50 Start: 43792, Stop: 43172, Start Num: 24
Candidate Starts for HogWash_50:
(Start: 24 @43792 has 353 MA's), (36, 43696), (53, 43594), (54, 43591), (56, 43585), (59, 43561), (61, 43552), (69, 43519), (74, 43492), (98, 43360), (99, 43357), (108, 43297),

Gene: Holeinone_49 Start: 43451, Stop: 42939, Start Num: 29
Candidate Starts for Holeinone_49:

(Start: 21 @43541 has 1 MA's), (Start: 29 @43451 has 59 MA's), (75, 43223), (83, 43193), (87, 43190), (88, 43178), (90, 43172), (97, 43133), (99, 43127), (103, 43112), (122, 42980),

Gene: Horchata_50 Start: 43786, Stop: 43166, Start Num: 24
Candidate Starts for Horchata_50:
(Start: 24 @43786 has 353 MA's), (36, 43690), (53, 43588), (54, 43585), (56, 43579), (59, 43555), (61, 43546), (69, 43513), (74, 43486), (98, 43354), (99, 43351), (108, 43291),

Gene: Hosp_041 Start: 40282, Stop: 39653, Start Num: 24
Candidate Starts for Hosp_041:
(8, 40396), (Start: 24 @40282 has 353 MA's), (53, 40081), (54, 40078), (56, 40072), (59, 40048), (74, 39976),

Gene: Hydro_45 Start: 44364, Stop: 43750, Start Num: 24
Candidate Starts for Hydro_45:
(Start: 24 @44364 has 353 MA's), (36, 44271), (56, 44157), (59, 44133), (62, 44121), (73, 44070), (89, 43983), (93, 43959), (97, 43938), (98, 43935), (111, 43860),

Gene: ImtiyazSitla_50 Start: 43469, Stop: 42849, Start Num: 24
Candidate Starts for ImtiyazSitla_50:
(Start: 24 @43469 has 353 MA's), (36, 43373), (53, 43271), (54, 43268), (56, 43262), (59, 43238), (61, 43229), (69, 43196), (74, 43169), (98, 43037), (99, 43034), (108, 42974),

Gene: Imvubu_42 Start: 41052, Stop: 40453, Start Num: 24
Candidate Starts for Imvubu_42:
(1, 41370), (13, 41151), (18, 41136), (Start: 24 @41052 has 353 MA's), (36, 40947), (37, 40938), (52, 40848), (56, 40830), (58, 40815), (59, 40806), (71, 40752), (108, 40581),

Gene: Inchworm_51 Start: 43907, Stop: 43287, Start Num: 24
Candidate Starts for Inchworm_51:
(Start: 24 @43907 has 353 MA's), (36, 43811), (53, 43709), (54, 43706), (56, 43700), (59, 43676), (61, 43667), (69, 43634), (74, 43607), (98, 43475), (99, 43472), (108, 43412),

Gene: Indlovu_47 Start: 43460, Stop: 42840, Start Num: 24
Candidate Starts for Indlovu_47:
(Start: 24 @43460 has 353 MA's), (50, 43289), (52, 43277), (59, 43235), (69, 43190), (71, 43184), (74, 43163), (93, 43055), (97, 43034), (98, 43031),

Gene: Inverness_50 Start: 43795, Stop: 43175, Start Num: 24
Candidate Starts for Inverness_50:
(Start: 24 @43795 has 353 MA's), (36, 43699), (39, 43672), (53, 43597), (54, 43594), (56, 43588), (59, 43564), (61, 43555), (69, 43522), (74, 43495), (98, 43363), (99, 43360), (108, 43300),

Gene: Iridessa_50 Start: 43479, Stop: 42859, Start Num: 24
Candidate Starts for Iridessa_50:
(Start: 24 @43479 has 353 MA's), (36, 43383), (53, 43281), (54, 43278), (56, 43272), (59, 43248), (61, 43239), (69, 43206), (74, 43179), (98, 43047), (99, 43044), (108, 42984),

Gene: Iridoclysis_50 Start: 43766, Stop: 43146, Start Num: 24
Candidate Starts for Iridoclysis_50:
(Start: 24 @43766 has 353 MA's), (36, 43670), (53, 43568), (54, 43565), (56, 43559), (59, 43535), (61, 43526), (69, 43493), (74, 43466), (98, 43334), (99, 43331), (108, 43271),

Gene: IsaacEli_51 Start: 43925, Stop: 43305, Start Num: 24
Candidate Starts for IsaacEli_51:
(Start: 24 @43925 has 353 MA's), (36, 43829), (53, 43727), (54, 43724), (56, 43718), (59, 43694), (61, 43685), (69, 43652), (74, 43625), (98, 43493), (99, 43490), (108, 43430),

Gene: ItsyBitsy1_49 Start: 43468, Stop: 42941, Start Num: 29
Candidate Starts for ItsyBitsy1_49:
(Start: 21 @43558 has 1 MA's), (Start: 29 @43468 has 59 MA's), (75, 43225), (83, 43195), (87, 43192), (88, 43180), (90, 43174), (97, 43135), (99, 43129), (103, 43114), (122, 42982),

Gene: JAMaL_45 Start: 44498, Stop: 43890, Start Num: 24
Candidate Starts for JAMaL_45:
(Start: 24 @44498 has 353 MA's), (36, 44408), (56, 44294), (59, 44270), (62, 44258), (73, 44207), (89, 44120), (93, 44096), (97, 44075), (98, 44072), (112, 43994),

Gene: JDog_49 Start: 43503, Stop: 42883, Start Num: 24
Candidate Starts for JDog_49:
(Start: 24 @43503 has 353 MA's), (36, 43407), (53, 43305), (54, 43302), (56, 43296), (59, 43272), (61, 43263), (69, 43230), (74, 43203), (98, 43071), (99, 43068), (108, 43008),

Gene: JacAttac_51 Start: 43907, Stop: 43287, Start Num: 24
Candidate Starts for JacAttac_51:
(Start: 24 @43907 has 353 MA's), (36, 43811), (53, 43709), (54, 43706), (56, 43700), (59, 43676), (61, 43667), (69, 43634), (74, 43607), (98, 43475), (99, 43472), (108, 43412),

Gene: Jackstina_45 Start: 43136, Stop: 42591, Start Num: 26
Candidate Starts for Jackstina_45:
(Start: 26 @43136 has 59 MA's), (42, 43007), (47, 42986), (68, 42899), (72, 42884), (75, 42872), (83, 42842), (90, 42821), (97, 42782), (99, 42776), (101, 42767), (105, 42740),

Gene: JaguarMi_45 Start: 43807, Stop: 43199, Start Num: 24
Candidate Starts for JaguarMi_45:
(Start: 24 @43807 has 353 MA's), (36, 43717), (53, 43612), (56, 43603), (59, 43579), (73, 43516), (89, 43429), (93, 43405), (97, 43384), (98, 43381), (111, 43306),

Gene: JakeO_49 Start: 43502, Stop: 42882, Start Num: 24
Candidate Starts for JakeO_49:
(Start: 24 @43502 has 353 MA's), (36, 43406), (53, 43304), (54, 43301), (56, 43295), (59, 43271), (61, 43262), (69, 43229), (74, 43202), (82, 43160), (98, 43070), (99, 43067), (108, 43007),

Gene: JangoPhett_50 Start: 43777, Stop: 43157, Start Num: 24
Candidate Starts for JangoPhett_50:
(Start: 24 @43777 has 353 MA's), (36, 43681), (53, 43579), (54, 43576), (56, 43570), (59, 43546), (61, 43537), (69, 43504), (74, 43477), (98, 43345), (99, 43342), (108, 43282),

Gene: Jbug01_50 Start: 42997, Stop: 42377, Start Num: 24
Candidate Starts for Jbug01_50:
(Start: 24 @42997 has 353 MA's), (36, 42901), (53, 42799), (54, 42796), (56, 42790), (59, 42766), (61, 42757), (69, 42724), (74, 42697), (82, 42655), (98, 42565), (99, 42562), (108, 42502),

Gene: JellyBelly_43 Start: 36404, Stop: 35910, Start Num: 29
Candidate Starts for JellyBelly_43:

(Start: 29 @36404 has 59 MA's), (46, 36299), (63, 36224), (66, 36212), (72, 36191), (75, 36179), (87, 36146), (91, 36125), (95, 36101), (97, 36089), (99, 36083), (105, 36047), (107, 36026), (113, 36005), (127, 35924),

Gene: Jesabah_50 Start: 43505, Stop: 42885, Start Num: 24
Candidate Starts for Jesabah_50:
(Start: 24 @43505 has 353 MA's), (36, 43409), (53, 43307), (54, 43304), (56, 43298), (59, 43274), (61, 43265), (69, 43232), (74, 43205), (98, 43073), (99, 43070), (108, 43010),

Gene: Jillium_49 Start: 43496, Stop: 42876, Start Num: 24
Candidate Starts for Jillium_49:
(Start: 24 @43496 has 353 MA's), (36, 43400), (53, 43298), (54, 43295), (56, 43289), (59, 43265), (61, 43256), (69, 43223), (74, 43196), (98, 43064), (99, 43061), (108, 43001),

Gene: Jiminy_49 Start: 43337, Stop: 42717, Start Num: 24
Candidate Starts for Jiminy_49:
(Start: 24 @43337 has 353 MA's), (36, 43241), (53, 43139), (54, 43136), (56, 43130), (59, 43106), (61, 43097), (69, 43064), (74, 43037), (82, 42995), (98, 42905), (99, 42902), (108, 42842),

Gene: Jiraiya_49 Start: 43490, Stop: 42870, Start Num: 24
Candidate Starts for Jiraiya_49:
(Start: 24 @43490 has 353 MA's), (36, 43394), (53, 43292), (54, 43289), (56, 43283), (59, 43259), (61, 43250), (69, 43217), (74, 43190), (98, 43058), (99, 43055), (108, 42995),

Gene: Jolie1_043 Start: 42057, Stop: 41428, Start Num: 24
Candidate Starts for Jolie1_043:
(Start: 24 @42057 has 353 MA's), (53, 41856), (56, 41847), (59, 41823), (74, 41751),

Gene: JoyceMaria_45 Start: 44317, Stop: 43706, Start Num: 24
Candidate Starts for JoyceMaria_45:
(Start: 24 @44317 has 353 MA's), (36, 44227), (56, 44113), (59, 44089), (62, 44077), (73, 44026), (89, 43939), (93, 43915), (97, 43894), (98, 43891), (111, 43816), (112, 43813),

Gene: KLucky39_50 Start: 43793, Stop: 43173, Start Num: 24
Candidate Starts for KLucky39_50:
(Start: 24 @43793 has 353 MA's), (36, 43697), (53, 43595), (54, 43592), (56, 43586), (59, 43562), (61, 43553), (69, 43520), (74, 43493), (98, 43361), (99, 43358), (108, 43298),

Gene: Kahve_49 Start: 43491, Stop: 42871, Start Num: 24
Candidate Starts for Kahve_49:
(Start: 24 @43491 has 353 MA's), (36, 43395), (53, 43293), (54, 43290), (56, 43284), (59, 43260), (61, 43251), (69, 43218), (74, 43191), (98, 43059), (99, 43056), (108, 42996),

Gene: Kailash_50 Start: 43853, Stop: 43233, Start Num: 24
Candidate Starts for Kailash_50:
(Start: 24 @43853 has 353 MA's), (36, 43757), (53, 43655), (54, 43652), (56, 43646), (59, 43622), (61, 43613), (69, 43580), (74, 43553), (98, 43421), (99, 43418), (108, 43358),

Gene: Kaleb_49 Start: 43615, Stop: 43076, Start Num: 29
Candidate Starts for Kaleb_49:
(Start: 21 @43705 has 1 MA's), (Start: 29 @43615 has 59 MA's), (75, 43360), (83, 43330), (87, 43327), (88, 43315), (90, 43309), (97, 43270), (99, 43264), (103, 43249), (122, 43117), (128, 43096),

Gene: Kamiyu_48 Start: 43184, Stop: 42639, Start Num: 26
Candidate Starts for Kamiyu_48:
(Start: 26 @43184 has 59 MA's), (42, 43055), (47, 43034), (68, 42947), (72, 42932), (75, 42920), (83, 42890), (90, 42869), (97, 42830), (99, 42824), (101, 42815), (105, 42788),

Gene: KarasumaRum_50 Start: 44848, Stop: 44249, Start Num: 24
Candidate Starts for KarasumaRum_50:
(11, 44956), (Start: 24 @44848 has 353 MA's), (37, 44731), (54, 44623), (56, 44617), (59, 44593), (93, 44458), (105, 44395), (108, 44371), (118, 44314),

Gene: Karn_49 Start: 43497, Stop: 42877, Start Num: 24
Candidate Starts for Karn_49:
(Start: 24 @43497 has 353 MA's), (36, 43401), (53, 43299), (54, 43296), (56, 43290), (59, 43266), (61, 43257), (69, 43224), (74, 43197), (98, 43065), (99, 43062), (108, 43002),

Gene: Katniss_51 Start: 43934, Stop: 43314, Start Num: 24
Candidate Starts for Katniss_51:
(Start: 24 @43934 has 353 MA's), (36, 43838), (53, 43736), (54, 43733), (56, 43727), (59, 43703), (61, 43694), (69, 43661), (74, 43634), (98, 43502), (99, 43499), (108, 43439),

Gene: KayaCho_43 Start: 42082, Stop: 41447, Start Num: 24
Candidate Starts for KayaCho_43:
(6, 42232), (15, 42172), (Start: 24 @42082 has 353 MA's), (53, 41875), (54, 41872), (56, 41866), (59, 41842), (74, 41770), (97, 41641),

Gene: Keitherie_50 Start: 43837, Stop: 43217, Start Num: 24
Candidate Starts for Keitherie_50:
(Start: 24 @43837 has 353 MA's), (36, 43741), (53, 43639), (54, 43636), (56, 43630), (59, 43606), (61, 43597), (69, 43564), (74, 43537), (98, 43405), (99, 43402), (108, 43342),

Gene: Khan1_49 Start: 43512, Stop: 42892, Start Num: 24
Candidate Starts for Khan1_49:
(Start: 24 @43512 has 353 MA's), (36, 43416), (53, 43314), (54, 43311), (56, 43305), (59, 43281), (61, 43272), (69, 43239), (74, 43212), (98, 43080), (99, 43077), (108, 43017),

Gene: Kheth_49 Start: 43504, Stop: 42992, Start Num: 29
Candidate Starts for Kheth_49:
(Start: 21 @43594 has 1 MA's), (Start: 29 @43504 has 59 MA's), (75, 43276), (83, 43246), (87, 43243), (88, 43231), (90, 43225), (97, 43186), (99, 43180), (103, 43165), (122, 43033),

Gene: Kikipoo_51 Start: 43925, Stop: 43305, Start Num: 24
Candidate Starts for Kikipoo_51:
(Start: 24 @43925 has 353 MA's), (36, 43829), (53, 43727), (54, 43724), (56, 43718), (59, 43694), (61, 43685), (69, 43652), (74, 43625), (98, 43493), (99, 43490), (108, 43430),

Gene: Kimbrough_50 Start: 43498, Stop: 42878, Start Num: 24
Candidate Starts for Kimbrough_50:
(Start: 24 @43498 has 353 MA's), (36, 43402), (53, 43300), (54, 43297), (56, 43291), (59, 43267), (61, 43258), (69, 43225), (74, 43198), (98, 43066), (99, 43063), (108, 43003),

Gene: KingTut_41 Start: 39161, Stop: 38541, Start Num: 24
Candidate Starts for KingTut_41:

(Start: 24 @39161 has 353 MA's), (36, 39065), (53, 38963), (54, 38960), (56, 38954), (59, 38930), (61, 38921), (69, 38888), (74, 38861), (98, 38729), (99, 38726), (108, 38666),

Gene: KingVeVeVe_50 Start: 43769, Stop: 43149, Start Num: 24
Candidate Starts for KingVeVeVe_50:
(Start: 24 @43769 has 353 MA's), (36, 43673), (53, 43571), (54, 43568), (56, 43562), (59, 43538), (61, 43529), (69, 43496), (74, 43469), (98, 43337), (99, 43334), (108, 43274),

Gene: Kiwot_50 Start: 43361, Stop: 42741, Start Num: 24
Candidate Starts for Kiwot_50:
(Start: 24 @43361 has 353 MA's), (36, 43265), (53, 43163), (54, 43160), (56, 43154), (59, 43130), (61, 43121), (69, 43088), (74, 43061), (98, 42929), (99, 42926), (108, 42866),

Gene: KlimbOn_50 Start: 43787, Stop: 43167, Start Num: 24
Candidate Starts for KlimbOn_50:
(Start: 24 @43787 has 353 MA's), (36, 43691), (39, 43664), (53, 43589), (54, 43586), (56, 43580), (59, 43556), (61, 43547), (69, 43514), (74, 43487), (98, 43355), (99, 43352), (108, 43292),

Gene: Kloppinator_51 Start: 44200, Stop: 43580, Start Num: 24
Candidate Starts for Kloppinator_51:
(Start: 24 @44200 has 353 MA's), (36, 44104), (53, 44002), (54, 43999), (56, 43993), (59, 43969), (61, 43960), (69, 43927), (74, 43900), (98, 43768), (99, 43765), (108, 43705),

Gene: Knocker_51 Start: 46002, Stop: 45382, Start Num: 24
Candidate Starts for Knocker_51:
(Start: 24 @46002 has 353 MA's), (37, 45912), (52, 45813), (53, 45804), (54, 45801), (60, 45768), (70, 45720), (74, 45696), (84, 45639), (86, 45633), (98, 45564), (104, 45543), (108, 45501), (120, 45438),

Gene: Kolhan_49 Start: 43468, Stop: 42947, Start Num: 29
Candidate Starts for Kolhan_49:
(Start: 21 @43558 has 1 MA's), (Start: 29 @43468 has 59 MA's), (75, 43231), (83, 43201), (87, 43198), (88, 43186), (90, 43180), (97, 43141), (99, 43135), (103, 43120), (122, 42988), (128, 42967),

Gene: Kronus_47 Start: 43796, Stop: 43251, Start Num: 26
Candidate Starts for Kronus_47:
(Start: 26 @43796 has 59 MA's), (47, 43646), (68, 43559), (72, 43544), (75, 43532), (83, 43502), (90, 43481), (97, 43442), (99, 43436), (101, 43427), (105, 43400),

Gene: Kwadwo_49 Start: 43473, Stop: 42853, Start Num: 24
Candidate Starts for Kwadwo_49:
(Start: 24 @43473 has 353 MA's), (36, 43377), (53, 43275), (54, 43272), (56, 43266), (59, 43242), (61, 43233), (69, 43200), (74, 43173), (98, 43041), (99, 43038), (108, 42978),

Gene: Kwksand96_49 Start: 43348, Stop: 42728, Start Num: 24
Candidate Starts for Kwksand96_49:
(Start: 24 @43348 has 353 MA's), (36, 43252), (53, 43150), (54, 43147), (56, 43141), (59, 43117), (61, 43108), (69, 43075), (74, 43048), (98, 42916), (99, 42913), (108, 42853),

Gene: Labeouficaum_49 Start: 43343, Stop: 42723, Start Num: 24
Candidate Starts for Labeouficaum_49:
(Start: 24 @43343 has 353 MA's), (36, 43247), (53, 43145), (54, 43142), (56, 43136), (59, 43112), (61, 43103), (69, 43070), (74, 43043), (82, 43001), (98, 42911), (99, 42908), (108, 42848),

Gene: Lambano_44 Start: 43304, Stop: 42696, Start Num: 24
Candidate Starts for Lambano_44:
(Start: 24 @43304 has 353 MA's), (36, 43214), (56, 43100), (59, 43076), (62, 43064), (73, 43013), (89, 42926), (93, 42902), (97, 42881), (98, 42878), (112, 42800),

Gene: Lars_49 Start: 43575, Stop: 43063, Start Num: 29
Candidate Starts for Lars_49:
(Start: 21 @43665 has 1 MA's), (Start: 29 @43575 has 59 MA's), (75, 43347), (83, 43317), (87, 43314), (88, 43302), (90, 43296), (97, 43257), (99, 43251), (103, 43236), (122, 43104), (128, 43083),

Gene: Larson_52 Start: 43895, Stop: 43275, Start Num: 24
Candidate Starts for Larson_52:
(Start: 24 @43895 has 353 MA's), (36, 43799), (53, 43697), (54, 43694), (56, 43688), (59, 43664), (61, 43655), (69, 43622), (74, 43595), (98, 43463), (99, 43460), (108, 43400),

Gene: LasagnaCat_51 Start: 43919, Stop: 43299, Start Num: 24
Candidate Starts for LasagnaCat_51:
(Start: 24 @43919 has 353 MA's), (36, 43823), (53, 43721), (54, 43718), (56, 43712), (59, 43688), (61, 43679), (69, 43646), (74, 43619), (98, 43487), (99, 43484), (108, 43424),

Gene: Lasso_50 Start: 43748, Stop: 43128, Start Num: 24
Candidate Starts for Lasso_50:
(Start: 24 @43748 has 353 MA's), (36, 43652), (53, 43550), (54, 43547), (56, 43541), (59, 43517), (61, 43508), (69, 43475), (74, 43448), (98, 43316), (99, 43313), (108, 43253),

Gene: Laurie_48 Start: 42963, Stop: 42463, Start Num: 29
Candidate Starts for Laurie_48:
(Start: 21 @43053 has 1 MA's), (Start: 29 @42963 has 59 MA's), (75, 42747), (83, 42717), (87, 42714), (88, 42702), (90, 42696), (97, 42657), (99, 42651), (103, 42636), (122, 42504),

Gene: LeeLot_50 Start: 43800, Stop: 43180, Start Num: 24
Candidate Starts for LeeLot_50:
(Start: 24 @43800 has 353 MA's), (36, 43704), (53, 43602), (54, 43599), (56, 43593), (59, 43569), (61, 43560), (69, 43527), (74, 43500), (98, 43368), (99, 43365), (108, 43305),

Gene: Lego3393_49 Start: 43928, Stop: 43308, Start Num: 24
Candidate Starts for Lego3393_49:
(Start: 24 @43928 has 353 MA's), (36, 43832), (53, 43730), (54, 43727), (56, 43721), (59, 43697), (61, 43688), (69, 43655), (74, 43628), (98, 43496), (99, 43493), (108, 43433),

Gene: Legolas_50 Start: 43518, Stop: 42898, Start Num: 24
Candidate Starts for Legolas_50:
(Start: 24 @43518 has 353 MA's), (36, 43422), (53, 43320), (54, 43317), (56, 43311), (59, 43287), (61, 43278), (69, 43245), (74, 43218), (98, 43086), (99, 43083), (108, 43023),

Gene: Lehmann_50 Start: 43330, Stop: 42710, Start Num: 24
Candidate Starts for Lehmann_50:
(Start: 24 @43330 has 353 MA's), (36, 43234), (53, 43132), (54, 43129), (56, 43123), (59, 43099), (61, 43090), (69, 43057), (74, 43030), (98, 42898), (99, 42895), (108, 42835),

Gene: LeiMonet_50 Start: 43480, Stop: 42860, Start Num: 24
Candidate Starts for LeiMonet_50:

(Start: 24 @43480 has 353 MA's), (36, 43384), (53, 43282), (54, 43279), (56, 43273), (59, 43249), (61, 43240), (69, 43207), (74, 43180), (98, 43048), (99, 43045), (108, 42985),

Gene: LemonSlice_50 Start: 43485, Stop: 42865, Start Num: 24
Candidate Starts for LemonSlice_50:
(Start: 24 @43485 has 353 MA's), (36, 43389), (53, 43287), (54, 43284), (56, 43278), (59, 43254), (61, 43245), (69, 43212), (74, 43185), (98, 43053), (99, 43050), (108, 42990),

Gene: Lephleur_49 Start: 43481, Stop: 42957, Start Num: 29
Candidate Starts for Lephleur_49:
(Start: 21 @43571 has 1 MA's), (Start: 29 @43481 has 59 MA's), (75, 43241), (83, 43211), (87, 43208), (88, 43196), (90, 43190), (97, 43151), (99, 43145), (103, 43130), (122, 42998), (128, 42977),

Gene: LestyG_48 Start: 43216, Stop: 42671, Start Num: 26
Candidate Starts for LestyG_48:
(Start: 26 @43216 has 59 MA's), (47, 43066), (68, 42979), (72, 42964), (75, 42952), (83, 42922), (90, 42901), (97, 42862), (99, 42856), (101, 42847), (105, 42820),

Gene: Ligma_43 Start: 36579, Stop: 36085, Start Num: 29
Candidate Starts for Ligma_43:
(Start: 29 @36579 has 59 MA's), (75, 36354), (95, 36276), (97, 36264), (105, 36222), (113, 36180), (127, 36099),

Gene: LilMcDreamy_47 Start: 43863, Stop: 43261, Start Num: 24
Candidate Starts for LilMcDreamy_47:
(Start: 24 @43863 has 353 MA's), (37, 43746), (54, 43638), (56, 43632), (59, 43608), (98, 43449), (105, 43410), (108, 43386), (112, 43371), (117, 43332), (119, 43326),

Gene: LilSmirk_49 Start: 43478, Stop: 42954, Start Num: 29
Candidate Starts for LilSmirk_49:
(Start: 21 @43568 has 1 MA's), (Start: 29 @43478 has 59 MA's), (75, 43238), (83, 43208), (87, 43205), (88, 43193), (90, 43187), (97, 43148), (99, 43142), (122, 42995),

Gene: LittleDigger_44 Start: 43320, Stop: 42712, Start Num: 24
Candidate Starts for LittleDigger_44:
(Start: 24 @43320 has 353 MA's), (36, 43230), (56, 43116), (59, 43092), (62, 43080), (73, 43029), (89, 42942), (93, 42918), (97, 42897), (98, 42894), (112, 42816),

Gene: LittleMinkey_55 Start: 43596, Stop: 42979, Start Num: 24
Candidate Starts for LittleMinkey_55:
(Start: 24 @43596 has 353 MA's), (46, 43395), (52, 43368), (59, 43326), (98, 43164), (108, 43101), (116, 43050),

Gene: LittleMunchkin_45 Start: 39895, Stop: 39398, Start Num: 29
Candidate Starts for LittleMunchkin_45:
(Start: 29 @39895 has 59 MA's), (63, 39712), (64, 39706), (66, 39700), (75, 39667), (77, 39655), (91, 39613), (97, 39577), (99, 39571), (105, 39535), (107, 39514), (113, 39493),

Gene: LizLemon_49 Start: 43597, Stop: 43073, Start Num: 29
Candidate Starts for LizLemon_49:
(Start: 21 @43687 has 1 MA's), (Start: 29 @43597 has 59 MA's), (75, 43357), (83, 43327), (87, 43324), (88, 43312), (90, 43306), (97, 43267), (99, 43261), (103, 43246), (122, 43114), (128, 43093),

Gene: Lolalove_46 Start: 44331, Stop: 43717, Start Num: 24
Candidate Starts for Lolalove_46:
(Start: 24 @44331 has 353 MA's), (36, 44238), (56, 44124), (59, 44100), (62, 44088), (73, 44037), (89, 43950), (93, 43926), (97, 43905), (98, 43902), (111, 43827),

Gene: Longacauda_49 Start: 43481, Stop: 42861, Start Num: 24
Candidate Starts for Longacauda_49:
(Start: 24 @43481 has 353 MA's), (36, 43385), (53, 43283), (54, 43280), (56, 43274), (59, 43250), (61, 43241), (69, 43208), (74, 43181), (98, 43049), (99, 43046), (108, 42986),

Gene: Lopsy_49 Start: 43346, Stop: 42726, Start Num: 24
Candidate Starts for Lopsy_49:
(Start: 24 @43346 has 353 MA's), (36, 43250), (53, 43148), (54, 43145), (56, 43139), (59, 43115), (61, 43106), (69, 43073), (74, 43046), (98, 42914), (99, 42911), (108, 42851),

Gene: LostAndPhound_49 Start: 43500, Stop: 42880, Start Num: 24
Candidate Starts for LostAndPhound_49:
(Start: 24 @43500 has 353 MA's), (36, 43404), (53, 43302), (54, 43299), (56, 43293), (59, 43269), (61, 43260), (69, 43227), (74, 43200), (98, 43068), (99, 43065), (108, 43005),

Gene: LuckyMarjie_49 Start: 43488, Stop: 42868, Start Num: 24
Candidate Starts for LuckyMarjie_49:
(Start: 24 @43488 has 353 MA's), (36, 43392), (53, 43290), (54, 43287), (56, 43281), (59, 43257), (61, 43248), (69, 43215), (74, 43188), (98, 43056), (99, 43053), (108, 42993),

Gene: Lulumae_49 Start: 43473, Stop: 42853, Start Num: 24
Candidate Starts for Lulumae_49:
(Start: 24 @43473 has 353 MA's), (36, 43377), (53, 43275), (54, 43272), (56, 43266), (59, 43242), (61, 43233), (69, 43200), (74, 43173), (98, 43041), (99, 43038), (108, 42978),

Gene: Lulwa_50 Start: 43766, Stop: 43146, Start Num: 24
Candidate Starts for Lulwa_50:
(Start: 24 @43766 has 353 MA's), (36, 43670), (53, 43568), (54, 43565), (56, 43559), (59, 43535), (61, 43526), (69, 43493), (74, 43466), (98, 43334), (99, 43331), (108, 43271),

Gene: Lumine_49 Start: 43469, Stop: 42849, Start Num: 24
Candidate Starts for Lumine_49:
(Start: 24 @43469 has 353 MA's), (36, 43373), (53, 43271), (54, 43268), (56, 43262), (59, 43238), (61, 43229), (69, 43196), (74, 43169), (98, 43037), (99, 43034), (108, 42974),

Gene: MRabcd_49 Start: 43479, Stop: 42859, Start Num: 24
Candidate Starts for MRabcd_49:
(Start: 24 @43479 has 353 MA's), (36, 43383), (53, 43281), (54, 43278), (56, 43272), (59, 43248), (61, 43239), (69, 43206), (74, 43179), (98, 43047), (99, 43044), (108, 42984),

Gene: Mag7_49 Start: 43403, Stop: 42783, Start Num: 24
Candidate Starts for Mag7_49:
(Start: 24 @43403 has 353 MA's), (36, 43307), (53, 43205), (54, 43202), (56, 43196), (59, 43172), (61, 43163), (69, 43130), (74, 43103), (98, 42971), (99, 42968), (108, 42908),

Gene: Magic8_50 Start: 43838, Stop: 43218, Start Num: 24
Candidate Starts for Magic8_50:

(Start: 24 @43838 has 353 MA's), (36, 43742), (53, 43640), (54, 43637), (56, 43631), (59, 43607), (61, 43598), (69, 43565), (74, 43538), (98, 43406), (99, 43403), (108, 43343),

Gene: Magpie_44 Start: 44170, Stop: 43559, Start Num: 24
Candidate Starts for Magpie_44:
(Start: 24 @44170 has 353 MA's), (36, 44080), (56, 43966), (59, 43942), (62, 43930), (73, 43879), (89, 43792), (93, 43768), (97, 43747), (98, 43744), (111, 43669),

Gene: Mahdia_29 Start: 23020, Stop: 22475, Start Num: 26
Candidate Starts for Mahdia_29:
(Start: 26 @23020 has 59 MA's), (41, 22903), (51, 22864), (75, 22753), (102, 22648), (106, 22621), (107, 22603), (108, 22600), (109, 22597), (124, 22513),

Gene: MakoManhole_46 Start: 38880, Stop: 38386, Start Num: 29
Candidate Starts for MakoManhole_46:
(Start: 29 @38880 has 59 MA's), (46, 38781), (55, 38739), (63, 38700), (66, 38688), (72, 38667), (75, 38655), (83, 38619), (91, 38595), (97, 38559), (99, 38553), (108, 38490), (113, 38472),

Gene: Mana_49 Start: 43488, Stop: 42868, Start Num: 24
Candidate Starts for Mana_49:
(Start: 24 @43488 has 353 MA's), (36, 43392), (53, 43290), (54, 43287), (56, 43281), (59, 43257), (61, 43248), (69, 43215), (74, 43188), (98, 43056), (99, 43053), (108, 42993),

Gene: Manad_50 Start: 43748, Stop: 43128, Start Num: 24
Candidate Starts for Manad_50:
(Start: 24 @43748 has 353 MA's), (36, 43652), (39, 43625), (53, 43550), (54, 43547), (56, 43541), (59, 43517), (61, 43508), (69, 43475), (74, 43448), (98, 43316), (99, 43313), (108, 43253),

Gene: Mariokart_43 Start: 36418, Stop: 35924, Start Num: 29
Candidate Starts for Mariokart_43:
(Start: 29 @36418 has 59 MA's), (46, 36313), (63, 36238), (66, 36226), (72, 36205), (75, 36193), (91, 36139), (95, 36115), (97, 36103), (99, 36097), (105, 36061), (107, 36040), (113, 36019), (127, 35938),

Gene: Marley1013_48 Start: 43994, Stop: 43449, Start Num: 26
Candidate Starts for Marley1013_48:
(Start: 26 @43994 has 59 MA's), (47, 43844), (68, 43757), (72, 43742), (75, 43730), (83, 43700), (90, 43679), (97, 43640), (99, 43634), (101, 43625), (105, 43598),

Gene: Marlia_48 Start: 43197, Stop: 42652, Start Num: 26
Candidate Starts for Marlia_48:
(Start: 26 @43197 has 59 MA's), (47, 43047), (68, 42960), (72, 42945), (75, 42933), (83, 42903), (90, 42882), (97, 42843), (99, 42837), (101, 42828), (105, 42801),

Gene: Maru_49 Start: 43431, Stop: 42811, Start Num: 24
Candidate Starts for Maru_49:
(Start: 24 @43431 has 353 MA's), (36, 43335), (53, 43233), (54, 43230), (56, 43224), (59, 43200), (61, 43191), (69, 43158), (74, 43131), (98, 42999), (99, 42996), (108, 42936),

Gene: Maskar_50 Start: 43469, Stop: 42849, Start Num: 24
Candidate Starts for Maskar_50:
(Start: 24 @43469 has 353 MA's), (36, 43373), (53, 43271), (54, 43268), (56, 43262), (59, 43238), (61, 43229), (69, 43196), (74, 43169), (98, 43037), (99, 43034), (108, 42974),

Gene: MasterPo_49 Start: 43490, Stop: 42963, Start Num: 29
Candidate Starts for MasterPo_49:
(Start: 21 @43580 has 1 MA's), (Start: 29 @43490 has 59 MA's), (75, 43247), (83, 43217), (87, 43214), (88, 43202), (90, 43196), (97, 43157), (99, 43151), (103, 43136), (122, 43004),

Gene: Matalotodo_50 Start: 43783, Stop: 43163, Start Num: 24
Candidate Starts for Matalotodo_50:
(Start: 24 @43783 has 353 MA's), (36, 43687), (53, 43585), (54, 43582), (56, 43576), (59, 43552), (61, 43543), (69, 43510), (74, 43483), (98, 43351), (99, 43348), (108, 43288),

Gene: Mcshane_49 Start: 43480, Stop: 42860, Start Num: 24
Candidate Starts for Mcshane_49:
(Start: 24 @43480 has 353 MA's), (36, 43384), (53, 43282), (54, 43279), (56, 43273), (59, 43249), (61, 43240), (69, 43207), (74, 43180), (98, 43048), (99, 43045), (108, 42985),

Gene: Mecca_49 Start: 43486, Stop: 42866, Start Num: 24
Candidate Starts for Mecca_49:
(Start: 24 @43486 has 353 MA's), (36, 43390), (53, 43288), (54, 43285), (56, 43279), (59, 43255), (61, 43246), (69, 43213), (74, 43186), (98, 43054), (99, 43051), (108, 42991),

Gene: Megamind20_50 Start: 43508, Stop: 42888, Start Num: 24
Candidate Starts for Megamind20_50:
(Start: 24 @43508 has 353 MA's), (36, 43412), (53, 43310), (54, 43307), (56, 43301), (59, 43277), (61, 43268), (69, 43235), (74, 43208), (98, 43076), (99, 43073), (108, 43013),

Gene: Megatron_51 Start: 43916, Stop: 43296, Start Num: 24
Candidate Starts for Megatron_51:
(Start: 24 @43916 has 353 MA's), (36, 43820), (53, 43718), (54, 43715), (56, 43709), (59, 43685), (61, 43676), (69, 43643), (74, 43616), (98, 43484), (99, 43481), (108, 43421),

Gene: Melc17_50 Start: 43778, Stop: 43158, Start Num: 24
Candidate Starts for Melc17_50:
(Start: 24 @43778 has 353 MA's), (36, 43682), (53, 43580), (54, 43577), (56, 43571), (59, 43547), (61, 43538), (69, 43505), (74, 43478), (98, 43346), (99, 43343), (108, 43283),

Gene: MelsMeow_50 Start: 43522, Stop: 42902, Start Num: 24
Candidate Starts for MelsMeow_50:
(Start: 24 @43522 has 353 MA's), (36, 43426), (53, 43324), (54, 43321), (56, 43315), (59, 43291), (61, 43282), (69, 43249), (74, 43222), (98, 43090), (99, 43087), (108, 43027),

Gene: Mesh1_50 Start: 43795, Stop: 43175, Start Num: 24
Candidate Starts for Mesh1_50:
(10, 43909), (17, 43882), (20, 43870), (Start: 24 @43795 has 353 MA's), (36, 43699), (53, 43597), (54, 43594), (56, 43588), (59, 43564), (61, 43555), (69, 43522), (74, 43495), (98, 43363), (99, 43360), (108, 43300),

Gene: Mesmerelda_49 Start: 43490, Stop: 42870, Start Num: 24
Candidate Starts for Mesmerelda_49:
(Start: 24 @43490 has 353 MA's), (36, 43394), (53, 43292), (54, 43289), (56, 43283), (59, 43259), (61, 43250), (69, 43217), (74, 43190), (98, 43058), (99, 43055), (108, 42995),

Gene: MichaelPhcott_49 Start: 43400, Stop: 42780, Start Num: 24
Candidate Starts for MichaelPhcott_49:

(Start: 24 @43400 has 353 MA's), (36, 43304), (53, 43202), (54, 43199), (56, 43193), (59, 43169), (61, 43160), (69, 43127), (74, 43100), (98, 42968), (99, 42965), (108, 42905),

Gene: Mikota_50 Start: 43766, Stop: 43146, Start Num: 24
Candidate Starts for Mikota_50:
(Start: 24 @43766 has 353 MA's), (36, 43670), (53, 43568), (54, 43565), (56, 43559), (59, 43535), (61, 43526), (69, 43493), (74, 43466), (98, 43334), (99, 43331), (108, 43271),

Gene: MiniBoss_50 Start: 43772, Stop: 43152, Start Num: 24
Candidate Starts for MiniBoss_50:
(Start: 24 @43772 has 353 MA's), (36, 43676), (53, 43574), (54, 43571), (56, 43565), (59, 43541), (61, 43532), (69, 43499), (74, 43472), (98, 43340), (99, 43337), (108, 43277),

Gene: Minnow_44 Start: 42068, Stop: 41433, Start Num: 24
Candidate Starts for Minnow_44:
(6, 42218), (15, 42158), (Start: 24 @42068 has 353 MA's), (53, 41861), (54, 41858), (56, 41852), (59, 41828), (74, 41756),

Gene: MitKao_50 Start: 43498, Stop: 42878, Start Num: 24
Candidate Starts for MitKao_50:
(Start: 24 @43498 has 353 MA's), (36, 43402), (53, 43300), (54, 43297), (56, 43291), (59, 43267), (61, 43258), (69, 43225), (74, 43198), (98, 43066), (99, 43063), (108, 43003),

Gene: Mithril_45 Start: 44338, Stop: 43727, Start Num: 24
Candidate Starts for Mithril_45:
(Start: 24 @44338 has 353 MA's), (36, 44248), (56, 44134), (59, 44110), (62, 44098), (73, 44047), (89, 43960), (93, 43936), (97, 43915), (98, 43912), (111, 43837), (112, 43834),

Gene: MmasiCarm_48 Start: 43198, Stop: 42653, Start Num: 26
Candidate Starts for MmasiCarm_48:
(Start: 26 @43198 has 59 MA's), (47, 43048), (68, 42961), (72, 42946), (75, 42934), (83, 42904), (90, 42883), (97, 42844), (99, 42838), (101, 42829), (105, 42802),

Gene: Morgushi_50 Start: 43487, Stop: 42867, Start Num: 24
Candidate Starts for Morgushi_50:
(Start: 24 @43487 has 353 MA's), (36, 43391), (53, 43289), (54, 43286), (56, 43280), (59, 43256), (61, 43247), (69, 43214), (74, 43187), (98, 43055), (99, 43052), (108, 42992),

Gene: Morrissey_30 Start: 24584, Stop: 24024, Start Num: 26
Candidate Starts for Morrissey_30:
(Start: 26 @24584 has 59 MA's), (40, 24458), (48, 24422), (63, 24347), (67, 24332), (75, 24302), (102, 24197), (108, 24149), (109, 24146), (112, 24134), (113, 24131), (124, 24062),

Gene: Mortcellus_47 Start: 43850, Stop: 43305, Start Num: 26
Candidate Starts for Mortcellus_47:
(Start: 26 @43850 has 59 MA's), (47, 43700), (68, 43613), (72, 43598), (75, 43586), (83, 43556), (90, 43535), (97, 43496), (99, 43490), (101, 43481), (105, 43454),

Gene: Morty_51 Start: 43925, Stop: 43305, Start Num: 24
Candidate Starts for Morty_51:
(Start: 24 @43925 has 353 MA's), (36, 43829), (53, 43727), (54, 43724), (56, 43718), (59, 43694), (61, 43685), (69, 43652), (74, 43625), (98, 43493), (99, 43490), (108, 43430),

Gene: Morty007_48 Start: 43994, Stop: 43449, Start Num: 26
Candidate Starts for Morty007_48:
(Start: 26 @43994 has 59 MA's), (47, 43844), (68, 43757), (72, 43742), (75, 43730), (83, 43700), (90, 43679), (97, 43640), (99, 43634), (101, 43625), (105, 43598),

Gene: Mosaic_49 Start: 43492, Stop: 42872, Start Num: 24
Candidate Starts for Mosaic_49:
(Start: 24 @43492 has 353 MA's), (36, 43396), (53, 43294), (54, 43291), (56, 43285), (59, 43261), (61, 43252), (69, 43219), (74, 43192), (98, 43060), (99, 43057), (108, 42997),

Gene: MossRose_46 Start: 38859, Stop: 38365, Start Num: 29
Candidate Starts for MossRose_46:
(Start: 29 @38859 has 59 MA's), (46, 38760), (55, 38718), (63, 38679), (66, 38667), (72, 38646), (75, 38634), (83, 38598), (91, 38574), (97, 38538), (99, 38532), (108, 38469), (113, 38451),

Gene: MrPhizzler_50 Start: 43489, Stop: 42869, Start Num: 24
Candidate Starts for MrPhizzler_50:
(Start: 24 @43489 has 353 MA's), (36, 43393), (53, 43291), (54, 43288), (56, 43282), (59, 43258), (61, 43249), (69, 43216), (74, 43189), (98, 43057), (99, 43054), (108, 42994),

Gene: Mudslide_45 Start: 44597, Stop: 43983, Start Num: 24
Candidate Starts for Mudslide_45:
(Start: 24 @44597 has 353 MA's), (36, 44504), (56, 44390), (59, 44366), (62, 44354), (73, 44303), (89, 44216), (93, 44192), (97, 44171), (98, 44168), (111, 44093),

Gene: Mulan_50 Start: 43642, Stop: 43022, Start Num: 24
Candidate Starts for Mulan_50:
(Start: 24 @43642 has 353 MA's), (36, 43546), (53, 43444), (54, 43441), (56, 43435), (59, 43411), (61, 43402), (69, 43369), (74, 43342), (98, 43210), (99, 43207), (108, 43147),

Gene: Mulaychimus_48 Start: 43180, Stop: 42635, Start Num: 26
Candidate Starts for Mulaychimus_48:
(Start: 26 @43180 has 59 MA's), (47, 43030), (68, 42943), (72, 42928), (75, 42916), (83, 42886), (90, 42865), (97, 42826), (99, 42820), (101, 42811), (105, 42784),

Gene: Murdoc_50 Start: 43773, Stop: 43153, Start Num: 24
Candidate Starts for Murdoc_50:
(Start: 24 @43773 has 353 MA's), (36, 43677), (53, 43575), (54, 43572), (56, 43566), (59, 43542), (61, 43533), (69, 43500), (74, 43473), (98, 43341), (99, 43338), (108, 43278),

Gene: Mutante_49 Start: 43492, Stop: 42872, Start Num: 24
Candidate Starts for Mutante_49:
(Start: 24 @43492 has 353 MA's), (36, 43396), (53, 43294), (54, 43291), (56, 43285), (59, 43261), (61, 43252), (69, 43219), (74, 43192), (98, 43060), (99, 43057), (108, 42997),

Gene: Mysterious_48 Start: 44824, Stop: 44207, Start Num: 24
Candidate Starts for Mysterious_48:
(Start: 24 @44824 has 353 MA's), (37, 44692), (54, 44584), (59, 44554), (98, 44395), (105, 44356), (108, 44332), (116, 44281), (119, 44272),

Gene: NHagos_44 Start: 37460, Stop: 36969, Start Num: 29
Candidate Starts for NHagos_44:

(Start: 29 @37460 has 59 MA's), (63, 37280), (66, 37268), (75, 37235), (87, 37202), (88, 37190), (89, 37187), (97, 37148), (105, 37106), (113, 37064), (122, 37001),

Gene: Nacho_0051 Start: 43919, Stop: 43299, Start Num: 24
Candidate Starts for Nacho_0051:
(Start: 24 @43919 has 353 MA's), (36, 43823), (53, 43721), (54, 43718), (56, 43712), (59, 43688), (61, 43679), (69, 43646), (74, 43619), (98, 43487), (99, 43484), (108, 43424),

Gene: Nanao_44 Start: 43297, Stop: 42689, Start Num: 24
Candidate Starts for Nanao_44:
(Start: 24 @43297 has 353 MA's), (36, 43207), (56, 43093), (59, 43069), (62, 43057), (73, 43006), (89, 42919), (93, 42895), (97, 42874), (98, 42871), (112, 42793),

Gene: Nangang_49 Start: 44779, Stop: 44177, Start Num: 24
Candidate Starts for Nangang_49:
(Start: 24 @44779 has 353 MA's), (37, 44659), (54, 44551), (56, 44545), (59, 44521), (93, 44386), (97, 44365), (105, 44323), (108, 44299), (118, 44242),

Gene: Nathan_50 Start: 43817, Stop: 43197, Start Num: 24
Candidate Starts for Nathan_50:
(Start: 24 @43817 has 353 MA's), (36, 43721), (53, 43619), (54, 43616), (56, 43610), (59, 43586), (61, 43577), (69, 43544), (74, 43517), (98, 43385), (99, 43382), (108, 43322),

Gene: Nehemiah_49 Start: 44824, Stop: 44207, Start Num: 24
Candidate Starts for Nehemiah_49:
(Start: 24 @44824 has 353 MA's), (37, 44692), (54, 44584), (59, 44554), (98, 44395), (105, 44356), (108, 44332), (116, 44281), (119, 44272),

Gene: Nehme_49 Start: 43531, Stop: 42911, Start Num: 24
Candidate Starts for Nehme_49:
(Start: 24 @43531 has 353 MA's), (36, 43435), (53, 43333), (54, 43330), (56, 43324), (59, 43300), (61, 43291), (69, 43258), (74, 43231), (98, 43099), (99, 43096), (108, 43036),

Gene: Neos5_48 Start: 44009, Stop: 43464, Start Num: 26
Candidate Starts for Neos5_48:
(Start: 26 @44009 has 59 MA's), (47, 43859), (68, 43772), (72, 43757), (75, 43745), (83, 43715), (90, 43694), (97, 43655), (99, 43649), (101, 43640), (105, 43613),

Gene: Newman_50 Start: 43790, Stop: 43170, Start Num: 24
Candidate Starts for Newman_50:
(Start: 24 @43790 has 353 MA's), (36, 43694), (39, 43667), (53, 43592), (54, 43589), (56, 43583), (59, 43559), (61, 43550), (69, 43517), (74, 43490), (98, 43358), (99, 43355), (108, 43295),

Gene: NiaNia_53 Start: 43509, Stop: 42889, Start Num: 24
Candidate Starts for NiaNia_53:
(Start: 24 @43509 has 353 MA's), (36, 43413), (53, 43311), (54, 43308), (56, 43302), (59, 43278), (61, 43269), (69, 43236), (74, 43209), (98, 43077), (99, 43074), (108, 43014),

Gene: Nicole21_50 Start: 43794, Stop: 43174, Start Num: 24
Candidate Starts for Nicole21_50:
(Start: 24 @43794 has 353 MA's), (36, 43698), (53, 43596), (54, 43593), (56, 43587), (59, 43563), (61, 43554), (69, 43521), (74, 43494), (98, 43362), (99, 43359), (108, 43299),

Gene: Nigel_44 Start: 43182, Stop: 42571, Start Num: 24
Candidate Starts for Nigel_44:
(Start: 24 @43182 has 353 MA's), (36, 43092), (53, 42987), (56, 42978), (59, 42954), (62, 42942), (80, 42849), (89, 42804), (93, 42780), (97, 42759), (98, 42756), (109, 42690), (112, 42678),

Gene: Nova1_50 Start: 43432, Stop: 42812, Start Num: 24
Candidate Starts for Nova1_50:
(Start: 24 @43432 has 353 MA's), (36, 43336), (53, 43234), (54, 43231), (56, 43225), (59, 43201), (61, 43192), (69, 43159), (74, 43132), (98, 43000), (99, 42997), (108, 42937),

Gene: Nozo_48 Start: 43974, Stop: 43429, Start Num: 26
Candidate Starts for Nozo_48:
(Start: 26 @43974 has 59 MA's), (42, 43845), (47, 43824), (68, 43737), (72, 43722), (75, 43710), (83, 43680), (90, 43659), (97, 43620), (99, 43614), (101, 43605), (105, 43578),

Gene: Numberten_50 Start: 43785, Stop: 43165, Start Num: 24
Candidate Starts for Numberten_50:
(Start: 24 @43785 has 353 MA's), (36, 43689), (53, 43587), (54, 43584), (56, 43578), (59, 43554), (61, 43545), (69, 43512), (74, 43485), (98, 43353), (99, 43350), (108, 43290),

Gene: Nyala_49 Start: 43484, Stop: 42864, Start Num: 24
Candidate Starts for Nyala_49:
(Start: 24 @43484 has 353 MA's), (36, 43388), (53, 43286), (54, 43283), (56, 43277), (59, 43253), (61, 43244), (69, 43211), (74, 43184), (98, 43052), (99, 43049), (108, 42989),

Gene: OSmaximus_51 Start: 43958, Stop: 43338, Start Num: 24
Candidate Starts for OSmaximus_51:
(Start: 24 @43958 has 353 MA's), (36, 43862), (53, 43760), (54, 43757), (56, 43751), (59, 43727), (61, 43718), (69, 43685), (74, 43658), (98, 43526), (99, 43523), (108, 43463),

Gene: Obutu_48 Start: 43198, Stop: 42653, Start Num: 26
Candidate Starts for Obutu_48:
(Start: 26 @43198 has 59 MA's), (47, 43048), (68, 42961), (72, 42946), (75, 42934), (83, 42904), (90, 42883), (97, 42844), (99, 42838), (101, 42829), (105, 42802),

Gene: Olak_49 Start: 43487, Stop: 42867, Start Num: 24
Candidate Starts for Olak_49:
(Start: 24 @43487 has 353 MA's), (36, 43391), (53, 43289), (54, 43286), (56, 43280), (59, 43256), (61, 43247), (69, 43214), (74, 43187), (98, 43055), (99, 43052), (108, 42992),

Gene: Oline_49 Start: 43347, Stop: 42727, Start Num: 24
Candidate Starts for Oline_49:
(Start: 24 @43347 has 353 MA's), (36, 43251), (53, 43149), (54, 43146), (56, 43140), (59, 43116), (61, 43107), (69, 43074), (74, 43047), (98, 42915), (99, 42912), (108, 42852),

Gene: Olive_50 Start: 43774, Stop: 43154, Start Num: 24
Candidate Starts for Olive_50:
(Start: 24 @43774 has 353 MA's), (36, 43678), (53, 43576), (54, 43573), (56, 43567), (59, 43543), (61, 43534), (69, 43501), (74, 43474), (98, 43342), (99, 43339), (108, 43279),

Gene: OliverWalter_50 Start: 43796, Stop: 43176, Start Num: 24
Candidate Starts for OliverWalter_50:

(Start: 24 @43796 has 353 MA's), (36, 43700), (53, 43598), (54, 43595), (56, 43589), (59, 43565), (61, 43556), (69, 43523), (74, 43496), (98, 43364), (99, 43361), (108, 43301),

Gene: Olivio_47 Start: 43067, Stop: 42522, Start Num: 26
Candidate Starts for Olivio_47:
(Start: 26 @43067 has 59 MA's), (47, 42917), (68, 42830), (72, 42815), (75, 42803), (83, 42773), (90, 42752), (97, 42713), (99, 42707), (101, 42698), (105, 42671),

Gene: Omniscient_50 Start: 43793, Stop: 43173, Start Num: 24
Candidate Starts for Omniscient_50:
(Start: 24 @43793 has 353 MA's), (36, 43697), (53, 43595), (54, 43592), (56, 43586), (59, 43562), (61, 43553), (69, 43520), (74, 43493), (98, 43361), (99, 43358), (108, 43298),

Gene: OneBrain_51 Start: 43486, Stop: 42866, Start Num: 24
Candidate Starts for OneBrain_51:
(Start: 24 @43486 has 353 MA's), (36, 43390), (53, 43288), (54, 43285), (56, 43279), (59, 43255), (61, 43246), (69, 43213), (74, 43186), (98, 43054), (99, 43051), (108, 42991),

Gene: Oosterbaan_50 Start: 43781, Stop: 43161, Start Num: 24
Candidate Starts for Oosterbaan_50:
(Start: 24 @43781 has 353 MA's), (36, 43685), (53, 43583), (54, 43580), (56, 43574), (59, 43550), (61, 43541), (69, 43508), (74, 43481), (98, 43349), (99, 43346), (108, 43286),

Gene: Opia_49 Start: 43484, Stop: 42945, Start Num: 29
Candidate Starts for Opia_49:
(Start: 21 @43574 has 1 MA's), (Start: 29 @43484 has 59 MA's), (75, 43229), (83, 43199), (87, 43196), (88, 43184), (90, 43178), (97, 43139), (99, 43133), (103, 43118), (122, 42986), (128, 42965),

Gene: OrangeOswald_48 Start: 43215, Stop: 42670, Start Num: 26
Candidate Starts for OrangeOswald_48:
(Start: 26 @43215 has 59 MA's), (42, 43086), (47, 43065), (68, 42978), (72, 42963), (75, 42951), (83, 42921), (90, 42900), (97, 42861), (99, 42855), (101, 42846), (105, 42819),

Gene: Orfeu_49 Start: 43480, Stop: 42860, Start Num: 24
Candidate Starts for Orfeu_49:
(Start: 24 @43480 has 353 MA's), (36, 43384), (53, 43282), (54, 43279), (56, 43273), (59, 43249), (61, 43240), (69, 43207), (74, 43180), (98, 43048), (99, 43045), (108, 42985),

Gene: Orion_51 Start: 43914, Stop: 43294, Start Num: 24
Candidate Starts for Orion_51:
(Start: 24 @43914 has 353 MA's), (36, 43818), (53, 43716), (54, 43713), (56, 43707), (59, 43683), (61, 43674), (69, 43641), (74, 43614), (98, 43482), (99, 43479), (108, 43419),

Gene: Orwigg_49 Start: 43480, Stop: 42860, Start Num: 24
Candidate Starts for Orwigg_49:
(Start: 24 @43480 has 353 MA's), (36, 43384), (53, 43282), (54, 43279), (56, 43273), (59, 43249), (61, 43240), (69, 43207), (74, 43180), (98, 43048), (99, 43045), (108, 42985),

Gene: PG1_51 Start: 43927, Stop: 43307, Start Num: 24
Candidate Starts for PG1_51:
(Start: 24 @43927 has 353 MA's), (36, 43831), (53, 43729), (54, 43726), (56, 43720), (59, 43696), (61, 43687), (69, 43654), (74, 43627), (98, 43495), (99, 43492), (108, 43432),

Gene: Pacifista_49 Start: 43483, Stop: 42863, Start Num: 24
Candidate Starts for Pacifista_49:
(Start: 24 @43483 has 353 MA's), (36, 43387), (53, 43285), (54, 43282), (56, 43276), (59, 43252), (61, 43243), (69, 43210), (74, 43183), (98, 43051), (99, 43048), (108, 42988),

Gene: PallasAthena_49 Start: 43491, Stop: 42871, Start Num: 24
Candidate Starts for PallasAthena_49:
(Start: 24 @43491 has 353 MA's), (36, 43395), (53, 43293), (54, 43290), (56, 43284), (59, 43260), (61, 43251), (69, 43218), (74, 43191), (98, 43059), (99, 43056), (108, 42996),

Gene: PenguinLover67_51 Start: 45911, Stop: 45282, Start Num: 24
Candidate Starts for PenguinLover67_51:
(Start: 24 @45911 has 353 MA's), (34, 45830), (52, 45713), (54, 45701), (56, 45695), (59, 45671), (74, 45599), (80, 45563), (84, 45542), (86, 45536), (93, 45491), (97, 45470), (104, 45446), (108, 45404),

Gene: Phaedrus_46 Start: 43135, Stop: 42590, Start Num: 26
Candidate Starts for Phaedrus_46:
(Start: 26 @43135 has 59 MA's), (42, 43006), (47, 42985), (68, 42898), (72, 42883), (75, 42871), (83, 42841), (90, 42820), (97, 42781), (99, 42775), (101, 42766), (105, 42739),

Gene: Phamished_51 Start: 43934, Stop: 43314, Start Num: 24
Candidate Starts for Phamished_51:
(Start: 24 @43934 has 353 MA's), (36, 43838), (53, 43736), (54, 43733), (56, 43727), (59, 43703), (61, 43694), (69, 43661), (74, 43634), (98, 43502), (99, 43499), (108, 43439),

Gene: Phantasmagoria_49 Start: 43482, Stop: 42958, Start Num: 29
Candidate Starts for Phantasmagoria_49:
(Start: 21 @43572 has 1 MA's), (Start: 29 @43482 has 59 MA's), (75, 43242), (83, 43212), (87, 43209), (88, 43197), (90, 43191), (97, 43152), (99, 43146), (103, 43131), (122, 42999), (128, 42978),

Gene: Phareon_50 Start: 43482, Stop: 42862, Start Num: 24
Candidate Starts for Phareon_50:
(Start: 24 @43482 has 353 MA's), (36, 43386), (53, 43284), (54, 43281), (56, 43275), (59, 43251), (61, 43242), (69, 43209), (74, 43182), (98, 43050), (99, 43047), (108, 42987),

Gene: PhatCats2014_51 Start: 43931, Stop: 43311, Start Num: 24
Candidate Starts for PhatCats2014_51:
(Start: 24 @43931 has 353 MA's), (36, 43835), (53, 43733), (54, 43730), (56, 43724), (59, 43700), (61, 43691), (69, 43658), (74, 43631), (98, 43499), (99, 43496), (108, 43436),

Gene: PhatLouie_50 Start: 43785, Stop: 43165, Start Num: 24
Candidate Starts for PhatLouie_50:
(Start: 24 @43785 has 353 MA's), (36, 43689), (53, 43587), (54, 43584), (56, 43578), (59, 43554), (61, 43545), (69, 43512), (74, 43485), (98, 43353), (99, 43350), (108, 43290),

Gene: Phayeta_49 Start: 43080, Stop: 42535, Start Num: 26
Candidate Starts for Phayeta_49:
(Start: 26 @43080 has 59 MA's), (47, 42930), (68, 42843), (72, 42828), (75, 42816), (83, 42786), (90, 42765), (97, 42726), (99, 42720), (101, 42711), (105, 42684),

Gene: Phelemich_48 Start: 44823, Stop: 44206, Start Num: 24
Candidate Starts for Phelemich_48:

(Start: 24 @44823 has 353 MA's), (37, 44691), (54, 44583), (59, 44553), (98, 44394), (105, 44355), (108, 44331), (116, 44280), (119, 44271),

Gene: PhenghisKhan_49 Start: 43406, Stop: 42786, Start Num: 24
Candidate Starts for PhenghisKhan_49:
(Start: 24 @43406 has 353 MA's), (36, 43310), (53, 43208), (54, 43205), (56, 43199), (59, 43175), (61, 43166), (69, 43133), (74, 43106), (98, 42974), (99, 42971), (108, 42911),

Gene: Pherdinand_51 Start: 43943, Stop: 43323, Start Num: 24
Candidate Starts for Pherdinand_51:
(Start: 24 @43943 has 353 MA's), (36, 43847), (53, 43745), (54, 43742), (56, 43736), (59, 43712), (61, 43703), (69, 43670), (74, 43643), (98, 43511), (99, 43508), (108, 43448),

Gene: Phergie_50 Start: 43398, Stop: 42778, Start Num: 24
Candidate Starts for Phergie_50:
(Start: 24 @43398 has 353 MA's), (36, 43302), (53, 43200), (54, 43197), (56, 43191), (59, 43167), (61, 43158), (69, 43125), (74, 43098), (98, 42966), (99, 42963), (108, 42903),

Gene: Philly_47 Start: 43066, Stop: 42521, Start Num: 26
Candidate Starts for Philly_47:
(Start: 26 @43066 has 59 MA's), (42, 42937), (47, 42916), (68, 42829), (72, 42814), (75, 42802), (83, 42772), (90, 42751), (97, 42712), (99, 42706), (101, 42697), (105, 42670),

Gene: Phipps_50 Start: 43762, Stop: 43142, Start Num: 24
Candidate Starts for Phipps_50:
(Start: 24 @43762 has 353 MA's), (36, 43666), (53, 43564), (54, 43561), (56, 43555), (59, 43531), (61, 43522), (69, 43489), (74, 43462), (98, 43330), (99, 43327), (108, 43267),

Gene: Phleuron_49 Start: 43403, Stop: 42783, Start Num: 24
Candidate Starts for Phleuron_49:
(Start: 24 @43403 has 353 MA's), (36, 43307), (53, 43205), (54, 43202), (56, 43196), (59, 43172), (61, 43163), (69, 43130), (74, 43103), (98, 42971), (99, 42968), (108, 42908),

Gene: Phlyer_48 Start: 43954, Stop: 43409, Start Num: 26
Candidate Starts for Phlyer_48:
(Start: 26 @43954 has 59 MA's), (47, 43804), (68, 43717), (72, 43702), (75, 43690), (83, 43660), (90, 43639), (97, 43600), (99, 43594), (101, 43585), (105, 43558),

Gene: PhrankReynolds_48 Start: 43403, Stop: 42783, Start Num: 24
Candidate Starts for PhrankReynolds_48:
(Start: 24 @43403 has 353 MA's), (36, 43307), (53, 43205), (54, 43202), (56, 43196), (59, 43172), (61, 43163), (69, 43130), (74, 43103), (98, 42971), (99, 42968), (108, 42908),

Gene: PhrodoBaggins_50 Start: 43910, Stop: 43290, Start Num: 24
Candidate Starts for PhrodoBaggins_50:
(Start: 24 @43910 has 353 MA's), (36, 43814), (53, 43712), (54, 43709), (56, 43703), (59, 43679), (61, 43670), (69, 43637), (74, 43610), (98, 43478), (99, 43475), (108, 43415),

Gene: Phunky_50 Start: 43779, Stop: 43159, Start Num: 24
Candidate Starts for Phunky_50:
(Start: 24 @43779 has 353 MA's), (36, 43683), (53, 43581), (54, 43578), (56, 43572), (59, 43548), (61, 43539), (69, 43506), (74, 43479), (98, 43347), (99, 43344), (108, 43284),

Gene: Piglet_0050 Start: 43904, Stop: 43284, Start Num: 24
Candidate Starts for Piglet_0050:
(Start: 24 @43904 has 353 MA's), (36, 43808), (53, 43706), (54, 43703), (56, 43697), (59, 43673), (61, 43664), (69, 43631), (74, 43604), (98, 43472), (99, 43469), (108, 43409),

Gene: Pine5_41 Start: 34571, Stop: 33969, Start Num: 30
Candidate Starts for Pine5_41:
(30, 34571), (82, 34244), (86, 34223), (94, 34172), (123, 34010), (129, 33986),

Gene: PinheadLarry_50 Start: 43492, Stop: 42872, Start Num: 24
Candidate Starts for PinheadLarry_50:
(Start: 24 @43492 has 353 MA's), (36, 43396), (53, 43294), (54, 43291), (56, 43285), (59, 43261), (61, 43252), (69, 43219), (74, 43192), (98, 43060), (99, 43057), (108, 42997),

Gene: Pinkman_49 Start: 43341, Stop: 42721, Start Num: 24
Candidate Starts for Pinkman_49:
(Start: 24 @43341 has 353 MA's), (36, 43245), (53, 43143), (54, 43140), (56, 43134), (59, 43110), (61, 43101), (69, 43068), (74, 43041), (82, 42999), (98, 42909), (99, 42906), (108, 42846),

Gene: Pipefish_50 Start: 44607, Stop: 44062, Start Num: 26
Candidate Starts for Pipefish_50:
(Start: 26 @44607 has 59 MA's), (42, 44478), (47, 44457), (68, 44370), (72, 44355), (75, 44343), (83, 44313), (90, 44292), (97, 44253), (99, 44247), (101, 44238), (105, 44211),

Gene: Pipsqueak_50 Start: 43786, Stop: 43166, Start Num: 24
Candidate Starts for Pipsqueak_50:
(Start: 24 @43786 has 353 MA's), (36, 43690), (53, 43588), (54, 43585), (56, 43579), (59, 43555), (61, 43546), (69, 43513), (74, 43486), (98, 43354), (99, 43351), (108, 43291),

Gene: Placalicious_49 Start: 43479, Stop: 42859, Start Num: 24
Candidate Starts for Placalicious_49:
(Start: 24 @43479 has 353 MA's), (36, 43383), (53, 43281), (54, 43278), (56, 43272), (59, 43248), (61, 43239), (69, 43206), (74, 43179), (98, 43047), (99, 43044), (108, 42984),

Gene: Plata_49 Start: 43497, Stop: 42877, Start Num: 24
Candidate Starts for Plata_49:
(Start: 24 @43497 has 353 MA's), (36, 43401), (53, 43299), (54, 43296), (56, 43290), (59, 43266), (61, 43257), (69, 43224), (74, 43197), (98, 43065), (99, 43062), (108, 43002),

Gene: Plmatters_50 Start: 43782, Stop: 43162, Start Num: 24
Candidate Starts for Plmatters_50:
(Start: 24 @43782 has 353 MA's), (36, 43686), (53, 43584), (54, 43581), (56, 43575), (59, 43551), (61, 43542), (69, 43509), (74, 43482), (98, 43350), (99, 43347), (108, 43287),

Gene: Podrick_50 Start: 43773, Stop: 43153, Start Num: 24
Candidate Starts for Podrick_50:
(Start: 24 @43773 has 353 MA's), (36, 43677), (53, 43575), (54, 43572), (56, 43566), (59, 43542), (61, 43533), (69, 43500), (74, 43473), (98, 43341), (99, 43338), (108, 43278),

Gene: Pops_50 Start: 43797, Stop: 43177, Start Num: 24
Candidate Starts for Pops_50:
(Start: 24 @43797 has 353 MA's), (36, 43701), (53, 43599), (54, 43596), (56, 43590), (59, 43566), (61, 43557), (69, 43524), (74, 43497), (98, 43365), (99, 43362), (108, 43302),

Gene: Poster_44 Start: 43298, Stop: 42690, Start Num: 24
Candidate Starts for Poster_44:
(Start: 24 @43298 has 353 MA's), (36, 43208), (56, 43094), (59, 43070), (62, 43058), (73, 43007), (89, 42920), (93, 42896), (97, 42875), (98, 42872), (112, 42794),

Gene: Potter_49 Start: 43509, Stop: 42889, Start Num: 24
Candidate Starts for Potter_49:
(Start: 24 @43509 has 353 MA's), (36, 43413), (53, 43311), (54, 43308), (56, 43302), (59, 43278), (61, 43269), (69, 43236), (74, 43209), (98, 43077), (99, 43074), (108, 43014),

Gene: Prickles_50 Start: 43773, Stop: 43153, Start Num: 24
Candidate Starts for Prickles_50:
(Start: 24 @43773 has 353 MA's), (36, 43677), (53, 43575), (54, 43572), (56, 43566), (59, 43542), (61, 43533), (69, 43500), (74, 43473), (98, 43341), (99, 43338), (108, 43278),

Gene: Prince_45 Start: 44507, Stop: 43893, Start Num: 24
Candidate Starts for Prince_45:
(Start: 24 @44507 has 353 MA's), (36, 44414), (56, 44300), (59, 44276), (62, 44264), (73, 44213), (89, 44126), (93, 44102), (97, 44081), (98, 44078), (111, 44003),

Gene: PrinceCharming_49 Start: 43581, Stop: 43066, Start Num: 29
Candidate Starts for PrinceCharming_49:
(Start: 21 @43671 has 1 MA's), (Start: 29 @43581 has 59 MA's), (75, 43350), (83, 43320), (87, 43317), (88, 43305), (90, 43299), (97, 43260), (99, 43254), (103, 43239), (122, 43107),

Gene: ProfessorX_50 Start: 43774, Stop: 43154, Start Num: 24
Candidate Starts for ProfessorX_50:
(Start: 24 @43774 has 353 MA's), (36, 43678), (53, 43576), (54, 43573), (56, 43567), (59, 43543), (61, 43534), (69, 43501), (74, 43474), (98, 43342), (99, 43339), (108, 43279),

Gene: Puhltonio_50 Start: 43783, Stop: 43163, Start Num: 24
Candidate Starts for Puhltonio_50:
(Start: 24 @43783 has 353 MA's), (36, 43687), (53, 43585), (54, 43582), (56, 43576), (59, 43552), (61, 43543), (69, 43510), (74, 43483), (98, 43351), (99, 43348), (108, 43288),

Gene: Puppers_29 Start: 23497, Stop: 22922, Start Num: 25
Candidate Starts for Puppers_29:
(22, 23515), (Start: 25 @23497 has 2 MA's), (52, 23302), (75, 23203), (87, 23173), (99, 23110), (109, 23044), (110, 23038), (121, 22969), (122, 22966),

Gene: QueenBeane_50 Start: 43773, Stop: 43153, Start Num: 24
Candidate Starts for QueenBeane_50:
(Start: 24 @43773 has 353 MA's), (36, 43677), (53, 43575), (54, 43572), (56, 43566), (59, 43542), (61, 43533), (69, 43500), (74, 43473), (98, 43341), (99, 43338), (108, 43278),

Gene: QueenPie_44 Start: 44416, Stop: 43805, Start Num: 24
Candidate Starts for QueenPie_44:
(Start: 24 @44416 has 353 MA's), (36, 44326), (56, 44212), (59, 44188), (62, 44176), (73, 44125), (89, 44038), (93, 44014), (97, 43993), (98, 43990), (112, 43912),

Gene: Quesadilla_51 Start: 45918, Stop: 45289, Start Num: 24
Candidate Starts for Quesadilla_51:

(Start: 24 @45918 has 353 MA's), (52, 45717), (56, 45699), (59, 45675), (86, 45540), (93, 45495), (97, 45474), (103, 45453), (108, 45408),

Gene: Quisquiliae_50 Start: 43810, Stop: 43190, Start Num: 24
Candidate Starts for Quisquiliae_50:
(Start: 24 @43810 has 353 MA's), (36, 43714), (53, 43612), (54, 43609), (56, 43603), (59, 43579), (61, 43570), (69, 43537), (74, 43510), (98, 43378), (99, 43375), (108, 43315),

Gene: Qyrzula_46 Start: 43601, Stop: 43104, Start Num: 29
Candidate Starts for Qyrzula_46:
(Start: 21 @43691 has 1 MA's), (Start: 29 @43601 has 59 MA's), (75, 43388), (83, 43358), (87, 43355), (88, 43343), (90, 43337), (97, 43298), (99, 43292), (103, 43277), (122, 43145), (128, 43124),

Gene: RagingRooster_48 Start: 43216, Stop: 42671, Start Num: 26
Candidate Starts for RagingRooster_48:
(Start: 26 @43216 has 59 MA's), (42, 43087), (47, 43066), (68, 42979), (72, 42964), (75, 42952), (83, 42922), (90, 42901), (97, 42862), (99, 42856), (101, 42847), (105, 42820),

Gene: RawrgerThat_46 Start: 44358, Stop: 43744, Start Num: 24
Candidate Starts for RawrgerThat_46:
(Start: 24 @44358 has 353 MA's), (36, 44265), (56, 44151), (59, 44127), (62, 44115), (73, 44064), (89, 43977), (93, 43953), (97, 43932), (98, 43929), (111, 43854),

Gene: Reccee_50 Start: 44884, Stop: 44279, Start Num: 24
Candidate Starts for Reccee_50:
(Start: 24 @44884 has 353 MA's), (37, 44761), (54, 44653), (56, 44647), (59, 44623), (105, 44425), (108, 44401), (118, 44344),

Gene: RedMaple_50 Start: 43924, Stop: 43304, Start Num: 24
Candidate Starts for RedMaple_50:
(Start: 24 @43924 has 353 MA's), (36, 43828), (53, 43726), (54, 43723), (56, 43717), (59, 43693), (61, 43684), (69, 43651), (74, 43624), (98, 43492), (99, 43489), (108, 43429),

Gene: RedRaider89_51 Start: 44007, Stop: 43387, Start Num: 24
Candidate Starts for RedRaider89_51:
(Start: 24 @44007 has 353 MA's), (36, 43911), (53, 43809), (54, 43806), (56, 43800), (59, 43776), (61, 43767), (69, 43734), (74, 43707), (98, 43575), (99, 43572), (108, 43512),

Gene: Renkei_44 Start: 43320, Stop: 42712, Start Num: 24
Candidate Starts for Renkei_44:
(Start: 24 @43320 has 353 MA's), (36, 43230), (56, 43116), (59, 43092), (62, 43080), (73, 43029), (89, 42942), (93, 42918), (97, 42897), (98, 42894), (112, 42816),

Gene: Reprobate_49 Start: 44828, Stop: 44211, Start Num: 24
Candidate Starts for Reprobate_49:
(Start: 24 @44828 has 353 MA's), (37, 44696), (54, 44588), (59, 44558), (98, 44399), (105, 44360), (108, 44336), (116, 44285), (119, 44276),

Gene: Rhinoforte_49 Start: 43603, Stop: 43079, Start Num: 29
Candidate Starts for Rhinoforte_49:
(Start: 21 @43693 has 1 MA's), (Start: 29 @43603 has 59 MA's), (75, 43363), (83, 43333), (87, 43330), (88, 43318), (90, 43312), (97, 43273), (99, 43267), (122, 43120),

Gene: Rich_48 Start: 44614, Stop: 44012, Start Num: 24
Candidate Starts for Rich_48:
(11, 44725), (Start: 24 @44614 has 353 MA's), (37, 44494), (54, 44386), (56, 44380), (59, 44356), (98, 44197), (105, 44158), (108, 44134), (116, 44083),

Gene: Ricotta_49 Start: 43496, Stop: 42876, Start Num: 24
Candidate Starts for Ricotta_49:
(Start: 24 @43496 has 353 MA's), (36, 43400), (53, 43298), (54, 43295), (56, 43289), (59, 43265), (61, 43256), (69, 43223), (74, 43196), (98, 43064), (99, 43061), (108, 43001),

Gene: Riggan_50 Start: 43769, Stop: 43149, Start Num: 24
Candidate Starts for Riggan_50:
(Start: 24 @43769 has 353 MA's), (36, 43673), (53, 43571), (54, 43568), (56, 43562), (59, 43538), (61, 43529), (69, 43496), (74, 43469), (98, 43337), (99, 43334), (108, 43274),

Gene: Rimu_50 Start: 43509, Stop: 42889, Start Num: 24
Candidate Starts for Rimu_50:
(Start: 24 @43509 has 353 MA's), (36, 43413), (53, 43311), (54, 43308), (56, 43302), (59, 43278), (61, 43269), (69, 43236), (74, 43209), (98, 43077), (99, 43074), (108, 43014),

Gene: Rinkes_50 Start: 45449, Stop: 44859, Start Num: 24
Candidate Starts for Rinkes_50:
(Start: 24 @45449 has 353 MA's), (35, 45347), (43, 45290), (45, 45278), (46, 45272), (52, 45245), (58, 45212), (59, 45203), (71, 45149), (74, 45128), (116, 44927), (119, 44918),

Gene: Rita130_49 Start: 44704, Stop: 44099, Start Num: 24
Candidate Starts for Rita130_49:
(Start: 24 @44704 has 353 MA's), (37, 44581), (54, 44473), (56, 44467), (59, 44443), (105, 44245), (108, 44221), (118, 44164),

Gene: Rita1961_48 Start: 43199, Stop: 42654, Start Num: 26
Candidate Starts for Rita1961_48:
(Start: 26 @43199 has 59 MA's), (47, 43049), (68, 42962), (72, 42947), (75, 42935), (83, 42905), (90, 42884), (97, 42845), (99, 42839), (101, 42830), (105, 42803),

Gene: Riverton_50 Start: 43800, Stop: 43180, Start Num: 24
Candidate Starts for Riverton_50:
(10, 43914), (17, 43887), (20, 43875), (Start: 24 @43800 has 353 MA's), (36, 43704), (53, 43602), (54, 43599), (56, 43593), (59, 43569), (61, 43560), (69, 43527), (74, 43500), (98, 43368), (99, 43365), (108, 43305),

Gene: Robyn_49 Start: 43365, Stop: 42745, Start Num: 24
Candidate Starts for Robyn_49:
(Start: 24 @43365 has 353 MA's), (36, 43269), (53, 43167), (54, 43164), (56, 43158), (59, 43134), (61, 43125), (69, 43092), (74, 43065), (98, 42933), (99, 42930), (108, 42870),

Gene: Roliet_50 Start: 43782, Stop: 43162, Start Num: 24
Candidate Starts for Roliet_50:
(Start: 24 @43782 has 353 MA's), (36, 43686), (53, 43584), (54, 43581), (56, 43575), (59, 43551), (61, 43542), (69, 43509), (74, 43482), (98, 43350), (99, 43347), (108, 43287),

Gene: RomaT_48 Start: 43989, Stop: 43444, Start Num: 26
Candidate Starts for RomaT_48:

(Start: 26 @43989 has 59 MA's), (47, 43839), (68, 43752), (72, 43737), (75, 43725), (83, 43695), (90, 43674), (97, 43635), (99, 43629), (101, 43620), (105, 43593),

Gene: Roscoe_51 Start: 44019, Stop: 43399, Start Num: 24
Candidate Starts for Roscoe_51:
(Start: 24 @44019 has 353 MA's), (36, 43923), (53, 43821), (54, 43818), (56, 43812), (59, 43788), (61, 43779), (69, 43746), (74, 43719), (98, 43587), (99, 43584), (108, 43524),

Gene: Rosebush_48 Start: 43615, Stop: 43076, Start Num: 29
Candidate Starts for Rosebush_48:
(Start: 21 @43705 has 1 MA's), (Start: 29 @43615 has 59 MA's), (75, 43360), (83, 43330), (87, 43327), (88, 43315), (90, 43309), (97, 43270), (99, 43264), (103, 43249), (122, 43117), (128, 43096),

Gene: Roy17_50 Start: 43473, Stop: 42853, Start Num: 24
Candidate Starts for Roy17_50:
(Start: 24 @43473 has 353 MA's), (36, 43377), (53, 43275), (54, 43272), (56, 43266), (59, 43242), (61, 43233), (69, 43200), (74, 43173), (98, 43041), (99, 43038), (108, 42978),

Gene: SDcharge11_50 Start: 43760, Stop: 43140, Start Num: 24
Candidate Starts for SDcharge11_50:
(Start: 24 @43760 has 353 MA's), (36, 43664), (53, 43562), (54, 43559), (56, 43553), (59, 43529), (61, 43520), (69, 43487), (74, 43460), (82, 43418), (98, 43328), (99, 43325), (108, 43265),

Gene: Sabella_48 Start: 43475, Stop: 42951, Start Num: 29
Candidate Starts for Sabella_48:
(Start: 21 @43565 has 1 MA's), (Start: 29 @43475 has 59 MA's), (75, 43235), (83, 43205), (87, 43202), (88, 43190), (90, 43184), (97, 43145), (99, 43139), (103, 43124), (122, 42992), (128, 42971),

Gene: Saguaro_51 Start: 45544, Stop: 44918, Start Num: 24
Candidate Starts for Saguaro_51:
(4, 45787), (5, 45754), (Start: 24 @45544 has 353 MA's), (52, 45355), (54, 45343), (56, 45337), (59, 45313), (69, 45268), (80, 45205), (85, 45181), (86, 45178), (91, 45151), (97, 45112), (99, 45106), (104, 45088), (108, 45046), (119, 44986),

Gene: Salazzle_50 Start: 43367, Stop: 42747, Start Num: 24
Candidate Starts for Salazzle_50:
(Start: 24 @43367 has 353 MA's), (36, 43271), (53, 43169), (54, 43166), (56, 43160), (59, 43136), (61, 43127), (69, 43094), (74, 43067), (82, 43025), (98, 42935), (99, 42932), (108, 42872),

Gene: SallyH_51 Start: 43927, Stop: 43307, Start Num: 24
Candidate Starts for SallyH_51:
(Start: 24 @43927 has 353 MA's), (36, 43831), (53, 43729), (54, 43726), (56, 43720), (59, 43696), (61, 43687), (69, 43654), (74, 43627), (98, 43495), (99, 43492), (108, 43432),

Gene: Samaymay_50 Start: 43773, Stop: 43153, Start Num: 24
Candidate Starts for Samaymay_50:
(Start: 24 @43773 has 353 MA's), (36, 43677), (53, 43575), (54, 43572), (56, 43566), (59, 43542), (61, 43533), (69, 43500), (74, 43473), (98, 43341), (99, 43338), (108, 43278),

Gene: SassyCat97_49 Start: 43500, Stop: 42880, Start Num: 24
Candidate Starts for SassyCat97_49:
(Start: 24 @43500 has 353 MA's), (36, 43404), (53, 43302), (54, 43299), (56, 43293), (59, 43269), (61, 43260), (69, 43227), (74, 43200), (98, 43068), (99, 43065), (108, 43005),

Gene: Schadenfreude_49 Start: 43339, Stop: 42719, Start Num: 24
Candidate Starts for Schadenfreude_49:
(Start: 24 @43339 has 353 MA's), (36, 43243), (53, 43141), (54, 43138), (56, 43132), (59, 43108), (61, 43099), (69, 43066), (74, 43039), (98, 42907), (99, 42904), (108, 42844),

Gene: Schueller_49 Start: 43498, Stop: 42878, Start Num: 24
Candidate Starts for Schueller_49:
(Start: 24 @43498 has 353 MA's), (36, 43402), (53, 43300), (54, 43297), (56, 43291), (59, 43267), (61, 43258), (69, 43225), (74, 43198), (98, 43066), (99, 43063), (108, 43003),

Gene: Scoot17C_51 Start: 43916, Stop: 43296, Start Num: 24
Candidate Starts for Scoot17C_51:
(Start: 24 @43916 has 353 MA's), (36, 43820), (53, 43718), (54, 43715), (56, 43709), (59, 43685), (61, 43676), (69, 43643), (74, 43616), (98, 43484), (99, 43481), (108, 43421),

Gene: Scrick_50 Start: 43509, Stop: 42889, Start Num: 24
Candidate Starts for Scrick_50:
(Start: 24 @43509 has 353 MA's), (36, 43413), (53, 43311), (54, 43308), (56, 43302), (59, 43278), (61, 43269), (69, 43236), (74, 43209), (98, 43077), (99, 43074), (108, 43014),

Gene: Selr12_50 Start: 43512, Stop: 42892, Start Num: 24
Candidate Starts for Selr12_50:
(Start: 24 @43512 has 353 MA's), (36, 43416), (53, 43314), (54, 43311), (56, 43305), (59, 43281), (61, 43272), (69, 43239), (74, 43212), (98, 43080), (99, 43077), (108, 43017),

Gene: Septica_49 Start: 43804, Stop: 43184, Start Num: 24
Candidate Starts for Septica_49:
(Start: 24 @43804 has 353 MA's), (36, 43708), (53, 43606), (54, 43603), (56, 43597), (59, 43573), (61, 43564), (69, 43531), (74, 43504), (98, 43372), (99, 43369), (108, 43309),

Gene: Serendipitous_49 Start: 44529, Stop: 43927, Start Num: 24
Candidate Starts for Serendipitous_49:
(Start: 24 @44529 has 353 MA's), (37, 44409), (54, 44301), (56, 44295), (59, 44271), (70, 44223), (74, 44199), (93, 44136), (105, 44073), (108, 44049),

Gene: Serendipity_50 Start: 43797, Stop: 43177, Start Num: 24
Candidate Starts for Serendipity_50:
(Start: 24 @43797 has 353 MA's), (36, 43701), (53, 43599), (54, 43596), (56, 43590), (59, 43566), (61, 43557), (69, 43524), (74, 43497), (98, 43365), (99, 43362), (108, 43302),

Gene: Serpentine_0050 Start: 43796, Stop: 43176, Start Num: 24
Candidate Starts for Serpentine_0050:
(Start: 24 @43796 has 353 MA's), (36, 43700), (53, 43598), (54, 43595), (56, 43589), (59, 43565), (61, 43556), (69, 43523), (74, 43496), (98, 43364), (99, 43361), (108, 43301),

Gene: ShadowBud_50 Start: 43807, Stop: 43187, Start Num: 24
Candidate Starts for ShadowBud_50:
(Start: 24 @43807 has 353 MA's), (36, 43711), (53, 43609), (54, 43606), (56, 43600), (59, 43576), (61, 43567), (69, 43534), (74, 43507), (98, 43375), (99, 43372), (108, 43312),

Gene: Shatter_43 Start: 36579, Stop: 36085, Start Num: 29
Candidate Starts for Shatter_43:

(Start: 29 @36579 has 59 MA's), (75, 36354), (95, 36276), (97, 36264), (105, 36222), (113, 36180), (127, 36099),

Gene: Sheila_50 Start: 43822, Stop: 43202, Start Num: 24
Candidate Starts for Sheila_50:
(Start: 24 @43822 has 353 MA's), (36, 43726), (53, 43624), (54, 43621), (56, 43615), (59, 43591), (61, 43582), (69, 43549), (74, 43522), (98, 43390), (99, 43387), (108, 43327),

Gene: Shenandoah_48 Start: 43188, Stop: 42643, Start Num: 26
Candidate Starts for Shenandoah_48:
(Start: 26 @43188 has 59 MA's), (42, 43059), (47, 43038), (68, 42951), (72, 42936), (75, 42924), (83, 42894), (90, 42873), (97, 42834), (99, 42828), (101, 42819), (105, 42792),

Gene: Shenyu_49 Start: 44779, Stop: 44177, Start Num: 24
Candidate Starts for Shenyu_49:
(Start: 24 @44779 has 353 MA's), (37, 44659), (54, 44551), (56, 44545), (59, 44521), (93, 44386), (97, 44365), (105, 44323), (108, 44299), (118, 44242),

Gene: ShiVal_50 Start: 43780, Stop: 43160, Start Num: 24
Candidate Starts for ShiVal_50:
(Start: 24 @43780 has 353 MA's), (36, 43684), (53, 43582), (54, 43579), (56, 43573), (59, 43549), (61, 43540), (69, 43507), (74, 43480), (98, 43348), (99, 43345), (108, 43285),

Gene: Sigman_51 Start: 43907, Stop: 43287, Start Num: 24
Candidate Starts for Sigman_51:
(Start: 24 @43907 has 353 MA's), (36, 43811), (53, 43709), (54, 43706), (56, 43700), (59, 43676), (61, 43667), (69, 43634), (74, 43607), (98, 43475), (99, 43472), (108, 43412),

Gene: SilverBell_50 Start: 43802, Stop: 43182, Start Num: 24
Candidate Starts for SilverBell_50:
(9, 43916), (16, 43889), (19, 43877), (Start: 24 @43802 has 353 MA's), (36, 43706), (53, 43604), (54, 43601), (56, 43595), (59, 43571), (61, 43562), (69, 43529), (74, 43502), (98, 43370), (99, 43367), (108, 43307),

Gene: Simielle_49 Start: 43466, Stop: 42846, Start Num: 24
Candidate Starts for Simielle_49:
(Start: 24 @43466 has 353 MA's), (36, 43370), (53, 43268), (54, 43265), (56, 43259), (59, 43235), (61, 43226), (69, 43193), (74, 43166), (98, 43034), (99, 43031), (108, 42971),

Gene: SirBeauregard_50 Start: 43479, Stop: 42859, Start Num: 24
Candidate Starts for SirBeauregard_50:
(Start: 24 @43479 has 353 MA's), (36, 43383), (53, 43281), (54, 43278), (56, 43272), (59, 43248), (61, 43239), (69, 43206), (74, 43179), (98, 43047), (99, 43044), (108, 42984),

Gene: SirJeffery_49 Start: 44703, Stop: 44098, Start Num: 24
Candidate Starts for SirJeffery_49:
(Start: 24 @44703 has 353 MA's), (37, 44580), (54, 44472), (56, 44466), (59, 44442), (105, 44244), (108, 44220), (118, 44163),

Gene: Sisko_43 Start: 37419, Stop: 36922, Start Num: 29
Candidate Starts for Sisko_43:
(Start: 29 @37419 has 59 MA's), (63, 37236), (66, 37224), (72, 37203), (75, 37191), (97, 37101), (99, 37095), (105, 37059), (107, 37038), (113, 37017),

Gene: Skippy_50 Start: 43767, Stop: 43147, Start Num: 24
Candidate Starts for Skippy_50:
(Start: 24 @43767 has 353 MA's), (36, 43671), (53, 43569), (54, 43566), (56, 43560), (59, 43536), (61, 43527), (69, 43494), (74, 43467), (98, 43335), (99, 43332), (108, 43272),

Gene: Slatt_50 Start: 43793, Stop: 43173, Start Num: 24
Candidate Starts for Slatt_50:
(Start: 24 @43793 has 353 MA's), (36, 43697), (53, 43595), (54, 43592), (56, 43586), (59, 43562), (61, 43553), (69, 43520), (74, 43493), (98, 43361), (99, 43358), (108, 43298),

Gene: SlippinJimmy_48 Start: 43981, Stop: 43436, Start Num: 26
Candidate Starts for SlippinJimmy_48:
(Start: 26 @43981 has 59 MA's), (47, 43831), (68, 43744), (72, 43729), (75, 43717), (83, 43687), (90, 43666), (97, 43627), (99, 43621), (101, 43612), (105, 43585),

Gene: Soile_50 Start: 43496, Stop: 42876, Start Num: 24
Candidate Starts for Soile_50:
(Start: 24 @43496 has 353 MA's), (36, 43400), (53, 43298), (54, 43295), (56, 43289), (59, 43265), (61, 43256), (69, 43223), (74, 43196), (98, 43064), (99, 43061), (108, 43001),

Gene: Solosis_49 Start: 43494, Stop: 42874, Start Num: 24
Candidate Starts for Solosis_49:
(Start: 24 @43494 has 353 MA's), (36, 43398), (53, 43296), (54, 43293), (56, 43287), (59, 43263), (61, 43254), (69, 43221), (74, 43194), (98, 43062), (99, 43059), (108, 42999),

Gene: Sophia_49 Start: 43488, Stop: 42868, Start Num: 24
Candidate Starts for Sophia_49:
(Start: 24 @43488 has 353 MA's), (36, 43392), (53, 43290), (54, 43287), (56, 43281), (59, 43257), (61, 43248), (69, 43215), (74, 43188), (98, 43056), (99, 43053), (108, 42993),

Gene: Soto_50 Start: 43794, Stop: 43174, Start Num: 24
Candidate Starts for Soto_50:
(Start: 24 @43794 has 353 MA's), (36, 43698), (53, 43596), (54, 43593), (56, 43587), (59, 43563), (61, 43554), (69, 43521), (74, 43494), (82, 43452), (98, 43362), (99, 43359), (108, 43299),

Gene: Sour_48 Start: 41266, Stop: 40751, Start Num: 28
Candidate Starts for Sour_48:
(Start: 28 @41266 has 1 MA's), (Start: 29 @41257 has 59 MA's), (63, 41065), (66, 41053), (75, 41020), (87, 40987), (91, 40966), (97, 40930), (105, 40888), (113, 40846), (124, 40777),

Gene: Spartan300_50 Start: 43779, Stop: 43159, Start Num: 24
Candidate Starts for Spartan300_50:
(Start: 24 @43779 has 353 MA's), (36, 43683), (53, 43581), (54, 43578), (56, 43572), (59, 43548), (61, 43539), (69, 43506), (74, 43479), (98, 43347), (99, 43344), (108, 43284),

Gene: Squid_50 Start: 43500, Stop: 42880, Start Num: 24
Candidate Starts for Squid_50:
(Start: 24 @43500 has 353 MA's), (36, 43404), (53, 43302), (54, 43299), (56, 43293), (59, 43269), (61, 43260), (69, 43227), (74, 43200), (98, 43068), (99, 43065), (108, 43005),

Gene: Squiggle_50 Start: 43503, Stop: 42883, Start Num: 24
Candidate Starts for Squiggle_50:

(Start: 24 @43503 has 353 MA's), (36, 43407), (53, 43305), (54, 43302), (56, 43296), (59, 43272), (61, 43263), (69, 43230), (74, 43203), (98, 43071), (99, 43068), (108, 43008),

Gene: StAugustine_64 Start: 52426, Stop: 51896, Start Num: 29
Candidate Starts for StAugustine_64:
(Start: 29 @52426 has 59 MA's), (49, 52306), (53, 52282), (59, 52249), (68, 52213), (75, 52186), (76, 52183), (83, 52153), (87, 52150), (97, 52093), (122, 51946),

Gene: Stinger_44 Start: 42875, Stop: 42267, Start Num: 24
Candidate Starts for Stinger_44:
(7, 43013), (11, 42983), (14, 42968), (Start: 24 @42875 has 353 MA's), (36, 42785), (56, 42671), (59, 42647), (62, 42635), (89, 42497), (93, 42473), (96, 42461), (97, 42452), (98, 42449), (112, 42371),

Gene: StinkyVeggy_50 Start: 44848, Stop: 44249, Start Num: 24
Candidate Starts for StinkyVeggy_50:
(11, 44956), (Start: 24 @44848 has 353 MA's), (37, 44731), (54, 44623), (56, 44617), (59, 44593), (93, 44458), (105, 44395), (108, 44371), (118, 44314),

Gene: Struggle_49 Start: 43335, Stop: 42715, Start Num: 24
Candidate Starts for Struggle_49:
(Start: 24 @43335 has 353 MA's), (36, 43239), (53, 43137), (54, 43134), (56, 43128), (59, 43104), (61, 43095), (69, 43062), (74, 43035), (82, 42993), (98, 42903), (99, 42900), (108, 42840),

Gene: Suffolk_50 Start: 43784, Stop: 43164, Start Num: 24
Candidate Starts for Suffolk_50:
(Start: 24 @43784 has 353 MA's), (36, 43688), (53, 43586), (54, 43583), (56, 43577), (59, 43553), (61, 43544), (69, 43511), (74, 43484), (98, 43352), (99, 43349), (108, 43289),

Gene: Suigeneris_50 Start: 44705, Stop: 44103, Start Num: 24
Candidate Starts for Suigeneris_50:
(11, 44816), (Start: 24 @44705 has 353 MA's), (37, 44585), (54, 44477), (56, 44471), (59, 44447), (105, 44249), (108, 44225),

Gene: Surely_50 Start: 43790, Stop: 43170, Start Num: 24
Candidate Starts for Surely_50:
(Start: 24 @43790 has 353 MA's), (36, 43694), (53, 43592), (54, 43589), (56, 43583), (59, 43559), (61, 43550), (69, 43517), (74, 43490), (98, 43358), (99, 43355), (108, 43295),

Gene: SwainyDoc_48 Start: 43211, Stop: 42666, Start Num: 26
Candidate Starts for SwainyDoc_48:
(Start: 26 @43211 has 59 MA's), (47, 43061), (68, 42974), (72, 42959), (75, 42947), (83, 42917), (90, 42896), (97, 42857), (99, 42851), (101, 42842), (105, 42815),

Gene: Swiphy_50 Start: 43785, Stop: 43165, Start Num: 24
Candidate Starts for Swiphy_50:
(Start: 24 @43785 has 353 MA's), (36, 43689), (53, 43587), (54, 43584), (56, 43578), (59, 43554), (61, 43545), (69, 43512), (74, 43485), (98, 43353), (99, 43350), (108, 43290),

Gene: Swish_51 Start: 43929, Stop: 43309, Start Num: 24
Candidate Starts for Swish_51:
(Start: 24 @43929 has 353 MA's), (36, 43833), (53, 43731), (54, 43728), (56, 43722), (59, 43698), (61, 43689), (69, 43656), (74, 43629), (98, 43497), (99, 43494), (108, 43434),

Gene: SynergyX_48 Start: 43216, Stop: 42671, Start Num: 26
Candidate Starts for SynergyX_48:
(Start: 26 @43216 has 59 MA's), (42, 43087), (47, 43066), (68, 42979), (72, 42964), (75, 42952), (83, 42922), (90, 42901), (97, 42862), (99, 42856), (101, 42847), (105, 42820),

Gene: TA17A_50 Start: 43465, Stop: 42941, Start Num: 29
Candidate Starts for TA17A_50:
(Start: 21 @43555 has 1 MA's), (Start: 29 @43465 has 59 MA's), (75, 43225), (83, 43195), (87, 43192), (88, 43180), (90, 43174), (97, 43135), (99, 43129), (103, 43114), (122, 42982), (128, 42961),

Gene: TPA2_56 Start: 43487, Stop: 42981, Start Num: 29
Candidate Starts for TPA2_56:
(Start: 29 @43487 has 59 MA's), (63, 43298), (66, 43286), (88, 43211), (97, 43166), (105, 43124),

Gene: TallGrassMM_50 Start: 43403, Stop: 42783, Start Num: 24
Candidate Starts for TallGrassMM_50:
(Start: 24 @43403 has 353 MA's), (36, 43307), (53, 43205), (54, 43202), (56, 43196), (59, 43172), (61, 43163), (69, 43130), (74, 43103), (98, 42971), (99, 42968), (108, 42908),

Gene: Taraxa_50 Start: 42988, Stop: 42368, Start Num: 24
Candidate Starts for Taraxa_50:
(Start: 24 @42988 has 353 MA's), (36, 42892), (53, 42790), (54, 42787), (56, 42781), (59, 42757), (61, 42748), (69, 42715), (74, 42688), (82, 42646), (98, 42556), (99, 42553), (108, 42493),

Gene: Telesworld_49 Start: 43482, Stop: 42862, Start Num: 24
Candidate Starts for Telesworld_49:
(Start: 24 @43482 has 353 MA's), (36, 43386), (53, 43284), (54, 43281), (56, 43275), (59, 43251), (61, 43242), (69, 43209), (74, 43182), (98, 43050), (99, 43047), (108, 42987),

Gene: Thonko_48 Start: 41869, Stop: 41228, Start Num: 24
Candidate Starts for Thonko_48:
(Start: 24 @41869 has 353 MA's), (32, 41794), (34, 41782), (38, 41749), (48, 41677), (52, 41659), (53, 41650), (54, 41647), (56, 41641), (59, 41617), (74, 41545), (81, 41506), (86, 41485), (97, 41419), (104, 41395), (113, 41335), (116, 41302), (119, 41293), (126, 41254),

Gene: Thora_50 Start: 43789, Stop: 43169, Start Num: 24
Candidate Starts for Thora_50:
(Start: 24 @43789 has 353 MA's), (36, 43693), (53, 43591), (54, 43588), (56, 43582), (59, 43558), (61, 43549), (69, 43516), (74, 43489), (98, 43357), (99, 43354), (108, 43294),

Gene: ThreeOh3D2_51 Start: 43922, Stop: 43302, Start Num: 24
Candidate Starts for ThreeOh3D2_51:
(Start: 24 @43922 has 353 MA's), (36, 43826), (53, 43724), (54, 43721), (56, 43715), (59, 43691), (61, 43682), (69, 43649), (74, 43622), (98, 43490), (99, 43487), (108, 43427),

Gene: Thunderbird_49 Start: 43490, Stop: 42870, Start Num: 24
Candidate Starts for Thunderbird_49:
(Start: 24 @43490 has 353 MA's), (36, 43394), (53, 43292), (54, 43289), (56, 43283), (59, 43259), (61, 43250), (69, 43217), (74, 43190), (98, 43058), (99, 43055), (108, 42995),

Gene: Timmi_49 Start: 43489, Stop: 42869, Start Num: 24
Candidate Starts for Timmi_49:

(Start: 24 @43489 has 353 MA's), (36, 43393), (53, 43291), (54, 43288), (56, 43282), (59, 43258), (61, 43249), (69, 43216), (74, 43189), (98, 43057), (99, 43054), (108, 42994),

Gene: Tinciduntsolum_50 Start: 43627, Stop: 43088, Start Num: 29
Candidate Starts for Tinciduntsolum_50:
(Start: 21 @43717 has 1 MA's), (Start: 29 @43627 has 59 MA's), (75, 43372), (83, 43342), (87, 43339), (88, 43327), (90, 43321), (97, 43282), (99, 43276), (103, 43261), (122, 43129),

Gene: TinyTerror_48 Start: 43201, Stop: 42656, Start Num: 26
Candidate Starts for TinyTerror_48:
(Start: 26 @43201 has 59 MA's), (47, 43051), (68, 42964), (72, 42949), (75, 42937), (83, 42907), (90, 42886), (97, 42847), (99, 42841), (101, 42832), (105, 42805),

Gene: TomBombadil_50 Start: 43774, Stop: 43154, Start Num: 24
Candidate Starts for TomBombadil_50:
(Start: 24 @43774 has 353 MA's), (36, 43678), (53, 43576), (54, 43573), (56, 43567), (59, 43543), (61, 43534), (69, 43501), (74, 43474), (98, 43342), (99, 43339), (108, 43279),

Gene: Tomlarah_50 Start: 43777, Stop: 43157, Start Num: 24
Candidate Starts for Tomlarah_50:
(Start: 24 @43777 has 353 MA's), (36, 43681), (53, 43579), (54, 43576), (56, 43570), (59, 43546), (61, 43537), (69, 43504), (74, 43477), (98, 43345), (99, 43342), (108, 43282),

Gene: Toni_49 Start: 43481, Stop: 42861, Start Num: 24
Candidate Starts for Toni_49:
(Start: 24 @43481 has 353 MA's), (36, 43385), (53, 43283), (54, 43280), (56, 43274), (59, 43250), (61, 43241), (69, 43208), (74, 43181), (98, 43049), (99, 43046), (108, 42986),

Gene: TooFast2Furius_51 Start: 44019, Stop: 43399, Start Num: 24
Candidate Starts for TooFast2Furius_51:
(Start: 24 @44019 has 353 MA's), (36, 43923), (53, 43821), (54, 43818), (56, 43812), (59, 43788), (61, 43779), (69, 43746), (74, 43719), (98, 43587), (99, 43584), (108, 43524),

Gene: Tooj_50 Start: 43856, Stop: 43236, Start Num: 24
Candidate Starts for Tooj_50:
(Start: 24 @43856 has 353 MA's), (36, 43760), (53, 43658), (54, 43655), (56, 43649), (59, 43625), (61, 43616), (69, 43583), (74, 43556), (98, 43424), (99, 43421), (108, 43361),

Gene: TraderJ_46 Start: 38891, Stop: 38397, Start Num: 29
Candidate Starts for TraderJ_46:
(Start: 29 @38891 has 59 MA's), (46, 38792), (55, 38750), (63, 38711), (66, 38699), (72, 38678), (75, 38666), (83, 38630), (91, 38606), (97, 38570), (99, 38564), (108, 38501), (113, 38483),

Gene: Tres_49 Start: 43478, Stop: 42954, Start Num: 29
Candidate Starts for Tres_49:
(Start: 21 @43568 has 1 MA's), (Start: 29 @43478 has 59 MA's), (75, 43238), (83, 43208), (87, 43205), (88, 43193), (90, 43187), (97, 43148), (99, 43142), (103, 43127), (122, 42995), (128, 42974),

Gene: Triad_50 Start: 42660, Stop: 42040, Start Num: 24
Candidate Starts for Triad_50:
(Start: 24 @42660 has 353 MA's), (36, 42564), (53, 42462), (54, 42459), (56, 42453), (59, 42429), (61, 42420), (69, 42387), (74, 42360), (98, 42228), (99, 42225), (108, 42165),

Gene: Trine_28 Start: 23072, Stop: 22572, Start Num: 33
Candidate Starts for Trine_28:
(27, 23123), (Start: 33 @23072 has 1 MA's), (51, 22973), (90, 22802), (107, 22700), (108, 22697), (125, 22604),

Gene: True_49 Start: 43487, Stop: 42867, Start Num: 24
Candidate Starts for True_49:
(Start: 24 @43487 has 353 MA's), (36, 43391), (53, 43289), (54, 43286), (56, 43280), (59, 43256), (61, 43247), (69, 43214), (74, 43187), (98, 43055), (99, 43052), (108, 42992),

Gene: Trypo_51 Start: 43918, Stop: 43298, Start Num: 24
Candidate Starts for Trypo_51:
(Start: 24 @43918 has 353 MA's), (36, 43822), (53, 43720), (54, 43717), (56, 43711), (59, 43687), (61, 43678), (69, 43645), (74, 43618), (98, 43486), (99, 43483), (108, 43423),

Gene: Tydolla_48 Start: 43950, Stop: 43405, Start Num: 26
Candidate Starts for Tydolla_48:
(Start: 26 @43950 has 59 MA's), (47, 43800), (68, 43713), (72, 43698), (75, 43686), (83, 43656), (90, 43635), (97, 43596), (99, 43590), (101, 43581), (105, 43554),

Gene: TyrionL_49 Start: 43343, Stop: 42723, Start Num: 24
Candidate Starts for TyrionL_49:
(Start: 24 @43343 has 353 MA's), (36, 43247), (53, 43145), (54, 43142), (56, 43136), (59, 43112), (61, 43103), (69, 43070), (74, 43043), (82, 43001), (98, 42911), (99, 42908), (108, 42848),

Gene: UAch1_50 Start: 43811, Stop: 43191, Start Num: 24
Candidate Starts for UAch1_50:
(Start: 24 @43811 has 353 MA's), (36, 43715), (53, 43613), (54, 43610), (56, 43604), (59, 43580), (61, 43571), (69, 43538), (74, 43511), (98, 43379), (99, 43376), (108, 43316),

Gene: UncleHowie_50 Start: 43486, Stop: 42866, Start Num: 24
Candidate Starts for UncleHowie_50:
(Start: 24 @43486 has 353 MA's), (36, 43390), (53, 43288), (54, 43285), (56, 43279), (59, 43255), (61, 43246), (69, 43213), (74, 43186), (98, 43054), (99, 43051), (108, 42991),

Gene: Usavi_50 Start: 43785, Stop: 43165, Start Num: 24
Candidate Starts for Usavi_50:
(Start: 24 @43785 has 353 MA's), (36, 43689), (53, 43587), (54, 43584), (56, 43578), (59, 43554), (61, 43545), (69, 43512), (74, 43485), (98, 43353), (99, 43350), (108, 43290),

Gene: Vaishali24_49 Start: 43457, Stop: 42837, Start Num: 24
Candidate Starts for Vaishali24_49:
(Start: 24 @43457 has 353 MA's), (36, 43361), (53, 43259), (54, 43256), (56, 43250), (59, 43226), (61, 43217), (69, 43184), (74, 43157), (98, 43025), (99, 43022), (108, 42962),

Gene: Valjean_50 Start: 43782, Stop: 43162, Start Num: 24
Candidate Starts for Valjean_50:
(Start: 24 @43782 has 353 MA's), (36, 43686), (53, 43584), (54, 43581), (56, 43575), (59, 43551), (61, 43542), (69, 43509), (74, 43482), (98, 43350), (99, 43347), (108, 43287),

Gene: Vaticameos_46 Start: 41468, Stop: 40848, Start Num: 24
Candidate Starts for Vaticameos_46:

(Start: 24 @41468 has 353 MA's), (36, 41372), (53, 41270), (54, 41267), (56, 41261), (59, 41237), (61, 41228), (69, 41195), (74, 41168), (98, 41036), (99, 41033), (108, 40973),

Gene: Vectra_49 Start: 43352, Stop: 42732, Start Num: 24
Candidate Starts for Vectra_49:
(Start: 24 @43352 has 353 MA's), (36, 43256), (53, 43154), (54, 43151), (56, 43145), (59, 43121), (61, 43112), (69, 43079), (74, 43052), (98, 42920), (99, 42917), (108, 42857),

Gene: Veritas_49 Start: 43364, Stop: 42744, Start Num: 24
Candidate Starts for Veritas_49:
(Start: 24 @43364 has 353 MA's), (36, 43268), (53, 43166), (54, 43163), (56, 43157), (59, 43133), (61, 43124), (69, 43091), (74, 43064), (98, 42932), (99, 42929), (108, 42869),

Gene: Vic9_00048 Start: 43999, Stop: 43463, Start Num: 29
Candidate Starts for Vic9_00048:
(Start: 21 @44089 has 1 MA's), (Start: 29 @43999 has 59 MA's), (75, 43747), (83, 43717), (87, 43714), (88, 43702), (90, 43696), (97, 43657), (99, 43651), (103, 43636), (122, 43504),

Gene: Vincenzo_46 Start: 44903, Stop: 44286, Start Num: 24
Candidate Starts for Vincenzo_46:
(Start: 24 @44903 has 353 MA's), (36, 44801), (37, 44792), (51, 44714), (54, 44693), (56, 44687), (59, 44663), (74, 44594), (78, 44570), (79, 44564), (80, 44558), (84, 44540), (91, 44507), (93, 44489), (98, 44465), (99, 44462), (104, 44444), (112, 44387),

Gene: VioletZ_47 Start: 44423, Stop: 43809, Start Num: 24
Candidate Starts for VioletZ_47:
(Start: 24 @44423 has 353 MA's), (36, 44330), (56, 44216), (59, 44192), (62, 44180), (73, 44129), (89, 44042), (93, 44018), (97, 43997), (98, 43994), (111, 43919),

Gene: Virapocalypse_50 Start: 43777, Stop: 43157, Start Num: 24
Candidate Starts for Virapocalypse_50:
(Start: 24 @43777 has 353 MA's), (36, 43681), (53, 43579), (54, 43576), (56, 43570), (59, 43546), (61, 43537), (69, 43504), (74, 43477), (98, 43345), (99, 43342), (108, 43282),

Gene: Virgeve_49 Start: 43554, Stop: 42934, Start Num: 24
Candidate Starts for Virgeve_49:
(Start: 24 @43554 has 353 MA's), (36, 43458), (53, 43356), (54, 43353), (56, 43347), (59, 43323), (61, 43314), (69, 43281), (74, 43254), (98, 43122), (99, 43119), (108, 43059),

Gene: Vista_50 Start: 43787, Stop: 43167, Start Num: 24
Candidate Starts for Vista_50:
(Start: 24 @43787 has 353 MA's), (36, 43691), (53, 43589), (54, 43586), (56, 43580), (59, 43556), (61, 43547), (69, 43514), (74, 43487), (98, 43355), (99, 43352), (108, 43292),

Gene: Vivaldi_51 Start: 44222, Stop: 43602, Start Num: 24
Candidate Starts for Vivaldi_51:
(Start: 24 @44222 has 353 MA's), (36, 44126), (53, 44024), (54, 44021), (56, 44015), (59, 43991), (61, 43982), (69, 43949), (74, 43922), (98, 43790), (99, 43787), (108, 43727),

Gene: Vortex_50 Start: 43484, Stop: 42864, Start Num: 24
Candidate Starts for Vortex_50:
(Start: 24 @43484 has 353 MA's), (36, 43388), (53, 43286), (54, 43283), (56, 43277), (59, 43253), (61, 43244), (69, 43211), (74, 43184), (98, 43052), (99, 43049), (108, 42989),

Gene: Waleliano_45 Start: 44339, Stop: 43728, Start Num: 24
Candidate Starts for Waleliano_45:
(Start: 24 @44339 has 353 MA's), (36, 44249), (56, 44135), (59, 44111), (62, 44099), (73, 44048), (89, 43961), (93, 43937), (97, 43916), (98, 43913), (111, 43838), (112, 43835),

Gene: Wallhey_49 Start: 43347, Stop: 42727, Start Num: 24
Candidate Starts for Wallhey_49:
(Start: 24 @43347 has 353 MA's), (36, 43251), (53, 43149), (54, 43146), (56, 43140), (59, 43116), (61, 43107), (69, 43074), (74, 43047), (82, 43005), (98, 42915), (99, 42912), (108, 42852),

Gene: Waterdiva_50 Start: 43779, Stop: 43159, Start Num: 24
Candidate Starts for Waterdiva_50:
(Start: 24 @43779 has 353 MA's), (36, 43683), (53, 43581), (54, 43578), (56, 43572), (59, 43548), (61, 43539), (69, 43506), (74, 43479), (98, 43347), (99, 43344), (108, 43284),

Gene: Weher20_50 Start: 43778, Stop: 43158, Start Num: 24
Candidate Starts for Weher20_50:
(Start: 24 @43778 has 353 MA's), (36, 43682), (53, 43580), (54, 43577), (56, 43571), (59, 43547), (61, 43538), (69, 43505), (74, 43478), (98, 43346), (99, 43343), (108, 43283),

Gene: West99_49 Start: 43613, Stop: 43074, Start Num: 29
Candidate Starts for West99_49:
(Start: 21 @43703 has 1 MA's), (Start: 29 @43613 has 59 MA's), (75, 43358), (83, 43328), (87, 43325), (88, 43313), (90, 43307), (97, 43268), (99, 43262), (103, 43247), (122, 43115), (128, 43094),

Gene: Widow_29 Start: 23301, Stop: 22723, Start Num: 25
Candidate Starts for Widow_29:
(22, 23319), (Start: 25 @23301 has 2 MA's), (52, 23103), (75, 23004), (87, 22974), (99, 22911), (109, 22845), (110, 22839), (121, 22770), (122, 22767),

Gene: Windsor_49 Start: 43483, Stop: 42863, Start Num: 24
Candidate Starts for Windsor_49:
(Start: 24 @43483 has 353 MA's), (36, 43387), (53, 43285), (54, 43282), (56, 43276), (59, 43252), (61, 43243), (69, 43210), (74, 43183), (98, 43051), (99, 43048), (108, 42988),

Gene: Wooper_46 Start: 38897, Stop: 38403, Start Num: 29
Candidate Starts for Wooper_46:
(Start: 29 @38897 has 59 MA's), (46, 38798), (55, 38756), (63, 38717), (66, 38705), (72, 38684), (75, 38672), (83, 38636), (91, 38612), (97, 38576), (99, 38570), (108, 38507), (113, 38489),

Gene: WorMMAs_30 Start: 22912, Stop: 22388, Start Num: 26
Candidate Starts for WorMMAs_30:
(23, 22918), (Start: 26 @22912 has 59 MA's), (61, 22741), (63, 22729), (75, 22684), (99, 22591), (109, 22528),

Gene: Xavier_49 Start: 43491, Stop: 42871, Start Num: 24
Candidate Starts for Xavier_49:
(Start: 24 @43491 has 353 MA's), (36, 43395), (53, 43293), (54, 43290), (56, 43284), (59, 43260), (61, 43251), (69, 43218), (74, 43191), (98, 43059), (99, 43056), (108, 42996),

Gene: Xincheng_44 Start: 43783, Stop: 43175, Start Num: 24
Candidate Starts for Xincheng_44:

(Start: 24 @43783 has 353 MA's), (36, 43693), (53, 43588), (56, 43579), (59, 43555), (73, 43492), (89, 43405), (93, 43381), (97, 43360), (98, 43357), (111, 43282),

Gene: Yago84_43 Start: 37494, Stop: 36997, Start Num: 29
Candidate Starts for Yago84_43:
(Start: 29 @37494 has 59 MA's), (63, 37311), (66, 37299), (72, 37278), (75, 37266), (97, 37176), (99, 37170), (105, 37134), (107, 37113), (113, 37092),

Gene: Yahalom_48 Start: 43226, Stop: 42681, Start Num: 26
Candidate Starts for Yahalom_48:
(Start: 26 @43226 has 59 MA's), (47, 43076), (68, 42989), (72, 42974), (75, 42962), (83, 42932), (90, 42911), (97, 42872), (99, 42866), (101, 42857), (105, 42830),

Gene: Yeshua_46 Start: 38874, Stop: 38380, Start Num: 29
Candidate Starts for Yeshua_46:
(Start: 29 @38874 has 59 MA's), (46, 38775), (55, 38733), (63, 38694), (66, 38682), (72, 38661), (75, 38649), (83, 38613), (91, 38589), (97, 38553), (99, 38547), (108, 38484), (113, 38466),

Gene: Yinz_48 Start: 43252, Stop: 42707, Start Num: 26
Candidate Starts for Yinz_48:
(Start: 26 @43252 has 59 MA's), (42, 43123), (47, 43102), (68, 43015), (72, 43000), (75, 42988), (83, 42958), (90, 42937), (97, 42898), (99, 42892), (101, 42883), (105, 42856),

Gene: Yoshand_51 Start: 43942, Stop: 43322, Start Num: 24
Candidate Starts for Yoshand_51:
(Start: 24 @43942 has 353 MA's), (36, 43846), (53, 43744), (54, 43741), (56, 43735), (59, 43711), (61, 43702), (69, 43669), (74, 43642), (98, 43510), (99, 43507), (108, 43447),

Gene: YouGoGlencoco_50 Start: 43781, Stop: 43161, Start Num: 24
Candidate Starts for YouGoGlencoco_50:
(Start: 24 @43781 has 353 MA's), (36, 43685), (53, 43583), (54, 43580), (56, 43574), (59, 43550), (61, 43541), (69, 43508), (74, 43481), (98, 43349), (99, 43346), (108, 43286),

Gene: Zaider_51 Start: 44011, Stop: 43391, Start Num: 24
Candidate Starts for Zaider_51:
(Start: 24 @44011 has 353 MA's), (36, 43915), (53, 43813), (54, 43810), (56, 43804), (59, 43780), (61, 43771), (69, 43738), (74, 43711), (98, 43579), (99, 43576), (108, 43516),

Gene: Zelda_50 Start: 43828, Stop: 43208, Start Num: 24
Candidate Starts for Zelda_50:
(Start: 24 @43828 has 353 MA's), (36, 43732), (53, 43630), (54, 43627), (56, 43621), (59, 43597), (61, 43588), (69, 43555), (74, 43528), (98, 43396), (99, 43393), (108, 43333),

Gene: Zemanar_46 Start: 44320, Stop: 43709, Start Num: 24
Candidate Starts for Zemanar_46:
(Start: 24 @44320 has 353 MA's), (36, 44230), (56, 44116), (59, 44092), (62, 44080), (73, 44029), (89, 43942), (93, 43918), (97, 43897), (98, 43894), (111, 43819), (112, 43816),

Gene: Zenteno07_54 Start: 43624, Stop: 43007, Start Num: 24
Candidate Starts for Zenteno07_54:
(Start: 24 @43624 has 353 MA's), (46, 43423), (52, 43396), (54, 43384), (59, 43354), (93, 43216), (98, 43192), (108, 43129), (116, 43078),

Gene: Zonia_50 Start: 43798, Stop: 43178, Start Num: 24
Candidate Starts for Zonia_50:
(Start: 24 @43798 has 353 MA's), (36, 43702), (53, 43600), (54, 43597), (56, 43591), (59, 43567), (61, 43558), (69, 43525), (74, 43498), (82, 43456), (98, 43366), (99, 43363), (108, 43303),