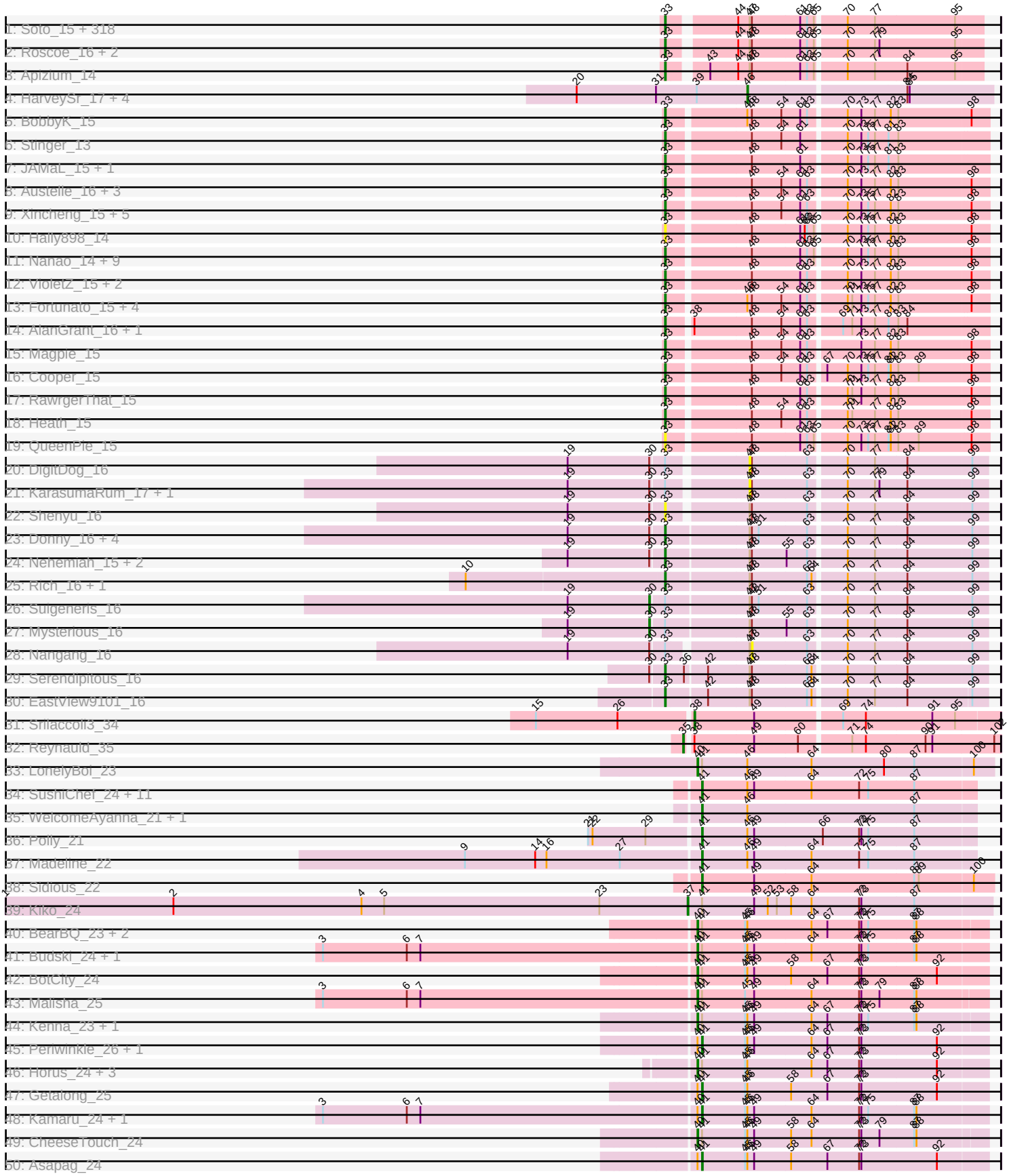
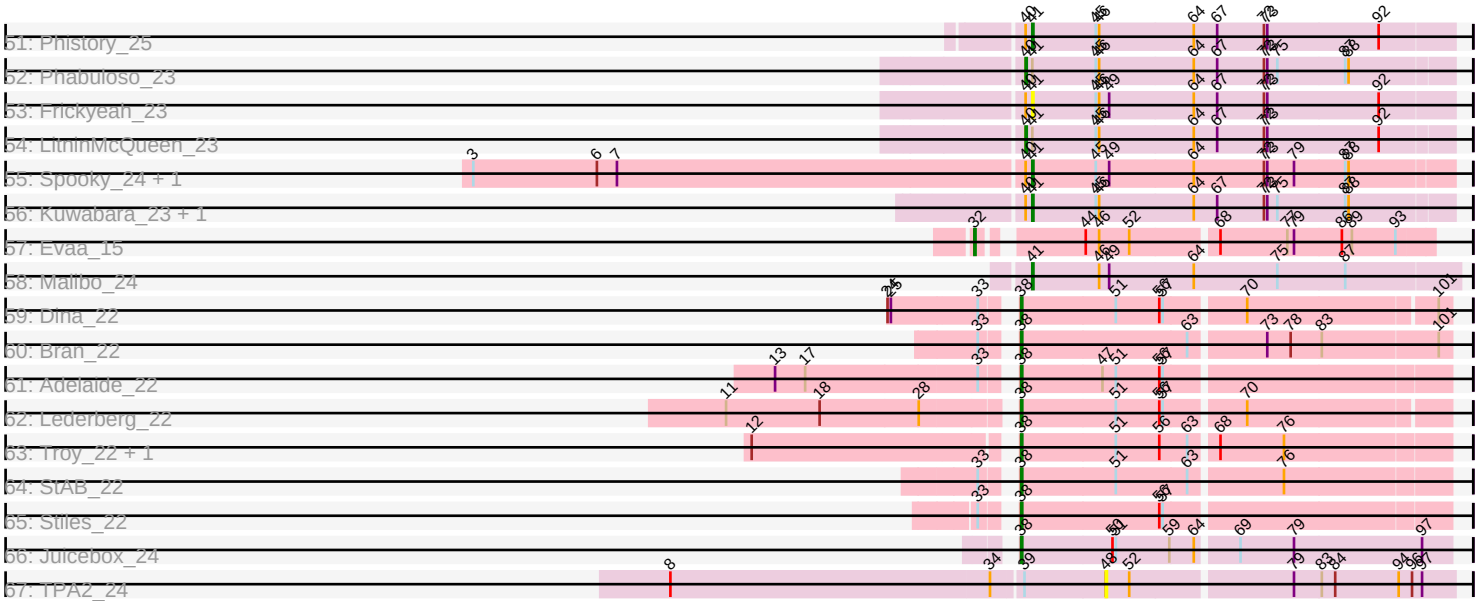
Pham 347096


1: Soto_15 + 318
2: Roscoe_16 + 2
3: Apizium_14
4: HarveySr_17 + 4
5: BobbyK_15
6: Stinger_13
7: JAMaL_15 + 1
8: Austelle_16 + 3
9: Xincheng_15 + 5
10: Hally898_14
11: Nanao_14 + 9
12: VioletZ_15 + 2
13: Fortunato_15 + 4
14: AlanGrant_16 + 1
15: Magpie_15
16: Cooper_15
17: RawrgerThat_15
18: Heath_15
19: QueenPie_15
20: DigitDog_16
21: KarasumaRum_17 + 1
22: Shenyu_16
23: Donny_16 + 4
24: Nehemiah_15 + 2
25: Rich_16 + 1
26: Sulgeneris_16
27: Mysterious_16
28: Nangang_16
29: Serendipitous_16
30: EastView9101_16
31: Smaccoil3_34
32: Reynauld_35
33: LonelyBoi_23
34: SushiChef_24 + 11
35: WelcomeAyanna_21 + 1
36: Polly_21
37: Madeline_22
38: Sidious_22
39: Kiko_24
40: BearBQ_23 + 2
41: Budski_24 + 1
42: BotCity_24
43: Malisha_25
44: Kenna_23 + 1
45: Periwinkle_26 + 1
46: Horus_24 + 3
47: Getalong_25
48: Kamaru_24 + 1
49: CheeseTouch_24
50: Asapag_24

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51: Phistory_25
52: Phabulloso_23
53: Frickyeah_23
54: LilninMcQueen_23
55: Spooky_24 + 1
56: Kuwabara_23 + 1
57: Evaa_15
58: Malibo_24
59: Dina_22
60: Bran_22
61: Adelaide_22
62: Lederberg_22
63: Troy_22 + 1
64: StAB_22
65: Stiles_22
66: Juicebox_24
67: TPA2_24

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 347096 Report

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

Pham number 347096 has 448 members, 53 are drafts.

Phages represented in each track:
• Track 1 : Soto_15, TallGrassMM_15, HSavage_15, Phergie_14, Vectra_14, Simielle_14, Puhltonio_15, HenryJackson_14, Gyarad_0015, Struggle_14, Jbug01_15, Cornobble_14, Fringe_15, Vaishali24_14, Numberten_15, JacAttac_15, Orfeu_14, Carthage_14, OliverWalter_15, Andre_15, Azuria_14, Doddsville_15, Mag7_14, NiaNia_15, OSmaximus_15, Dione_14, Gwilliam_15, Yoshand_15, Etaye_15, Virgeve_14, Toni_14, Vivaldi_15, Kiwot_14, Plmatters_15, Zaider_16, Melc17_15, Mcshane_14, Hocus_14, Nehme_14, Khan1_14, Karn_14, Nacho_0015, Hartsy_15, CheetO_15, JakeO_14, Piglet_0014, Spartan300_15, Squid_15, Daffy_15, Chuni_15, Xavier_14, CamL_15, Morty_15, Antonia_14, DelRivs_14, Mosaic_14, Serpentine_0015, Weher20_15, ABU_15, BlueHusk_15, SallyH_15, Vista_15, KlimbOn_15, Hamish_15, ShadowBud_15, Suffolk_15, Mikota_15, PhenghisKhan_14, Rimu_15, ThreeOh3D2_15, Grand2040_14, Sophia_14, FugateOSU_14, ImtiyazSitla_14, PhatLouie_15, Kikipoo_15, Jesabah_15, Solosis_14, Vortex_15, Mutante_14, Keitherie_15, Aonishiki_15, PhrankReynolds_14, Crownjwl_15, Septica_14, Roy17_15, Serendipity_15, Aelin_14, BlacksBerry_14, Maskar_14, Inchworm_15, Labeouficaum_14, CharlieGBrown_14, Placalicious_14, MrPhizzler_15, BatteryCK_14, Swish_15, Dati_15, Flake_15, Haimas_15, Gwennie1_15, DirtJuice_15, DonSanchon_14, Oline_14, Jiraiya_14, DuchessDung_14, Riverton_15, Jillium_14, Nicole21_15, Surely_15, Hetaeria_15, Chorkpop_15, Slatt_15, Phleuron_14, Derpp_14, Pinkman_14, Phamished_15, KLucky39_15, Burr_14, Selr12_15, Chipette_16, DaddyDaniels_15, Valjean_15, Pipsqueak_15, Virapocalypse_15, UncleHowie_15, Childish_14, Basato_16, MiniBoss_15, Ricotta_14, Soile_15, Mulan_14, Prickles_15, Duggie_14, MichaelPhcott_14, Mesmerelda_14, IsaacEli_15, Gophee_15, Schueller_14, AngelCake_15, Iridessa_15, Horchata_15, PallasAthena_14, Magic8_15, Mana_14, Morgushi_15, True_14, Zonia_15, MitKao_15, Timmi_14, Maru_14, FleetyMac_15, Olak_14, Thunderbird_14, Taraxa_15, JangoPhett_15, PinheadLarry_15, DoesntMatter_15, ProfessorX_15, Sigman_15, Durga_15, BlackStallion_15, SDcharge11_15, MelsMeow_14, Riggan_15, Bishoperium_14, Mecca_14, Mesh1_15, UAch1_15, AbsoluteMadLad_14, Fang_15, Happabalu_15, Quisquiliae_15, TomBombadil_15, Wallhey_14, Craff_15, Phipps_15, Kwadwo_14, Waterdiva_15, Manad_14, PhrodoBaggins_14, Gareth_14, Kwksand96_14, Chute_15, JDog_14, GreenChile_15, Beaglebox_14, Podrick_15, Robyn_14, Bluephacebaby_14, FriarPreacher_15, Cannibal_15, Scoot17C_15, Lasso_15, Sheila_15, Ashraf_14, Lopsy_14, LostAndPhound_14, Tooj_15, Schadenfreude_14, Freya_14, Haleema_14, Scrick_14, RedMaple_14, Pacifista_14, Dingo_15, Lulumae_14, Chaelin_14, AltPhacts_15, Kailash_15, Newman_15,

BoogieWoogie_15, Orion_15, Olive_15, Lulwa_15, Charles1_15, Emiris_15, Salazzle_14, PG1_15, Megatron_15, Cobra_15, QueenBeane_15, Telesworld_14, Giraffe_15, LeeLot_15, Omniscient_15, Murdoc_15, DolOn_16, KingTut_14, Vaticameos_15, Iridoclysis_15, ElvisPhasley_15, Potter_14, Chunky_15, Pops_15, RedRaider89_16, EmGer13_14, Held_15, Longacauda_14, OneBrain_15, FremontTroll_14, Lego3393_15, CampRoach_15, Kimbrough_15, Lumine_14, Oosterbaan_15, Roliet_15, Anderson_15, Harvey_15, Tomlarah_15, Legolas_14, Nyala_14, Matalotodo_15, GeneCoco_15, LemonSlice_15, TyrionL_14, Phareon_15, Pherdinand_15, Chah_15, Triad_15, SilverBell_15, Inverness_15, Caspiboi_14, Hertubise_15, Jiminy_14, Fozzie_14, Banjo_14, Samaymay_15, Zelda_15, HogWash_14, EmpTee_15, Badfish_15, SirBeauregard_14, MRabcd_14, Nova1_14, Adriana_15, HighStump_14, Thora_15, Windsor_14, LasagnaCat_15, Altwerkus_14, Frankicide_15, Eremos_15, Hekos_14, LuckyMarjie_14, Cornbread_14, Daka_15, Katniss_15, Dice_14, Larson_16, Orwigg_14, Cher_14, FluffyNinja_15, Buckeye_15, Colbert_15, Trypo_15, Aleia_15, TooFast2Furius_16, Brilliant_15, Kloppinator_15, Veritas_14, Skippy_15, Plata_14, Coletti_15, Usavi_15, Kahve_14, LeiMonet_15, Swiphy_15, Phunky_15, Squiggle_15, YouGoGlencoco_15, Eugenia_15, Cosmolli16_14, ShiVal_15, KingVeVeVe_15, Megamind20_15, Lehmann_15, PhatCats2014_15, Nathan_15

- Track 2 : Roscoe_16, Boehler_15, SassyCat97_14
- Track 3 : Apizium_14
- Track 4 : HarveySr_17, Marlia_17, Phaedrus_16, SlippinJimmy_17, Olivio_16
- Track 5 : BobbyK_15
- Track 6 : Stinger_13
- Track 7 : JAMaL_15, Nigel_13
- Track 8 : Austelle_16, Hydro_15, Fanaw_15, Hangman_15
- Track 9 : Xincheng_15, JaguarMi_16, JoyceMaria_15, Mithril_15, Lolalove_15, BrownCNA_16
- Track 10 : Hally898_14
- Track 11 : Nanao_14, GinPorsche_14, Lambano_14, ChrisnMich_14, Epah_14, Poster_14, Antihero_14, LittleDigger_14, Renkei_14, Ahwei_14
- Track 12 : VioletZ_15, Waleliano_15, Zemanar_16
- Track 13 : Fortunato_15, Apex_15, Mudslide_15, Frederick_15, Prince_15
- Track 14 : AlanGrant_16, Vincenzo_16
- Track 15 : Magpie_15
- Track 16 : Cooper_15
- Track 17 : RawrgerThat_15
- Track 18 : Heath_15
- Track 19 : QueenPie_15
- Track 20 : DigitDog_16
- Track 21 : KarasumaRum_17, StinkyVeggy_17
- Track 22 : Shenyu_16
- Track 23 : Donny_16, SirJeffery_16, Reccee_16, Acadian_16, Rita130_16
- Track 24 : Nehemiah_15, Reprobate_16, Phelemich_16
- Track 25 : Rich_16, Baee_16
- Track 26 : Suigeneris_16
- Track 27 : Mysterious_16
- Track 28 : Nangang_16
- Track 29 : Serendipitous_16
- Track 30 : EastView9101_16
- Track 31 : Srilaccoli3_34
- Track 32 : Reynauld_35
- Track 33 : LonelyBoi_23

• Track 34 : SushiChef_24, Bialota_22, Nymphadora_22, Madavieve_22, Bosnia_22, Eviarto_22, BatStarr_22, TimTam_22, Ohgeesy_22, Zirinka_22, Herod_22, Hugley_22
• Track 35 : WelcomeAyanna_21, ThankyouJordi_21
• Track 36 : Polly_21
• Track 37 : Madeline_22
• Track 38 : Sidious_22
• Track 39 : Kiko_24
• Track 40 : BearBQ_23, MortyNRick_23, Birdsong_23
• Track 41 : Budski_24, Holliday_24
• Track 42 : BotCity_24
• Track 43 : Malisha_25
• Track 44 : Kenna_23, Lutum_24
• Track 45 : Periwinkle_26, ShawBrad_24
• Track 46 : Horus_24, Crater_22, Leroy_24, Apricot_23
• Track 47 : Getalong_25
• Track 48 : Kamaru_24, Whitney_25
• Track 49 : CheeseTouch_24
• Track 50 : Asapag_24
• Track 51 : Phistory_25
• Track 52 : Phabuloso_23
• Track 53 : Frickyeah_23
• Track 54 : LitninMcQueen_23
• Track 55 : Spooky_24, Squiddly_26
• Track 56 : Kuwabara_23, BENtherdunthat_24
• Track 57 : Evaa_15
• Track 58 : Malibo_24
• Track 59 : Dina_22
• Track 60 : Bran_22
• Track 61 : Adelaide_22
• Track 62 : Lederberg_22
• Track 63 : Troy_22, SamW_22
• Track 64 : StAB_22
• Track 65 : Stiles_22
• Track 66 : Juicebox_24
• Track 67 : TPA2_24

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

The start number called the most often in the published annotations is 33, it was called in 335 of the 395 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABU_15, AbsoluteMadLad_14, Acadian_16, Adriana_15, Aelin_14, Ahwei_14, AlanGrant_16, Aleia_15, AltPhacts_15, Altwerkus_14, Anderson_15, Andre_15, AngelCake_15, Antihero_14, Antonia_14, Aonishiki_15, Apex_15, Apizium_14, Ashraf_14, Austelle_16, Azuria_14, Badfish_15, Baee_16, Banjo_14, Basato_16, BatteryCK_14, Beaglebox_14, Bishoperium_14, BlackStallion_15, BlacksBerry_14, BlueHusk_15, Bluephacebaby_14, BobbyK_15, Boehler_15, BoogieWoogie_15, Brilliant_15, BrownCNA_16, Buckeye_15, Burr_14, CamL_15, CampRoach_15,

Cannibal_15, Carthage_14, Caspiboi_14, Chaelin_14, Chah_15, Charles1_15, CharlieGBrown_14, CheetO_15, Cher_14, Childish_14, Chipette_16, Chorkpop_15, ChrisnMich_14, Chuni_15, Chunky_15, Chute_15, Cobra_15, Colbert_15, Coletti_15, Cooper_15, Cornbread_14, Cornobble_14, Cosmolli16_14, Craff_15, Crownjwl_15, DaddyDaniels_15, Daffy_15, Daka_15, Dati_15, DelRivs_14, Derpp_14, Dice_14, Dingo_15, Dione_14, DirtJuice_15, Doddsville_15, DoesntMatter_15, DolOn_16, DonSanchon_14, Donny_16, DuchessDung_14, Duggie_14, Durga_15, EastView9101_16, ElvisPhasley_15, EmGer13_14, Emiris_15, EmpTee_15, Epah_14, Eremos_15, Etaye_15, Eugenia_15, Fanaw_15, Fang_15, Flake_15, FleetyMac_15, FluffyNinja_15, Fortunato_15, Fozzie_14, Frankicide_15, Frederick_15, FremontTroll_14, Freya_14, FriarPreacher_15, Fringe_15, FugateOSU_14, Gareth_14, GeneCoco_15, GinPorsche_14, Giraffe_15, Gophee_15, Grand2040_14, GreenChile_15, Gwennie1_15, Gwilliam_15, Gyarad_0015, HSavage_15, Haimas_15, Haleema_14, Hally898_14, Hamish_15, Hangman_15, Happabalu_15, Hartsy_15, Harvey_15, Heath_15, Hekos_14, Held_15, HenryJackson_14, Hertubise_15, Hetaeria_15, HighStump_14, Hocus_14, HogWash_14, Horchata_15, Hydro_15, ImtiyazSitla_14, Inchworm_15, Inverness_15, Iridessa_15, Iridoclysis_15, IsaacEli_15, JAMaL_15, JDog_14, JacAttac_15, JaguarMi_16, JakeO_14, JangoPhett_15, Jbug01_15, Jesabah_15, Jillium_14, Jiminy_14, Jiraiya_14, JoyceMaria_15, KLucky39_15, Kahve_14, Kailash_15, Karn_14, Katniss_15, Keitherie_15, Khan1_14, Kikipoo_15, Kimbrough_15, KingTut_14, KingVeVeVe_15, Kiwot_14, KlimbOn_15, Kloppinator_15, Kwadwo_14, Kwksand96_14, Labeouficaum_14, Lambano_14, Larson_16, LasagnaCat_15, Lasso_15, LeeLot_15, Lego3393_15, Legolas_14, Lehmann_15, LeiMonet_15, LemonSlice_15, LittleDigger_14, Lolalove_15, Longacauda_14, Lopsy_14, LostAndPhound_14, LuckyMarjie_14, Lulumae_14, Lulwa_15, Lumine_14, MRabcd_14, Mag7_14, Magic8_15, Magpie_15, Mana_14, Manad_14, Maru_14, Maskar_14, Matalotodo_15, Mcshane_14, Mecca_14, Megamind20_15, Megatron_15, Melc17_15, MelsMeow_14, Mesh1_15, Mesmerelda_14, MichaelPhcott_14, Mikota_15, MiniBoss_15, MitKao_15, Mithril_15, Morgushi_15, Morty_15, Mosaic_14, MrPhizzler_15, Mudslide_15, Mulan_14, Murdoc_15, Mutante_14, Nacho_0015, Nanao_14, Nathan_15, Nehemiah_15, Nehme_14, Newman_15, NiaNia_15, Nicole21_15, Nigel_13, Nova1_14, Numberten_15, Nyala_14, OSmaximus_15, Olak_14, Oline_14, Olive_15, OliverWalter_15, Omniscient_15, OneBrain_15, Oosterbaan_15, Orfeu_14, Orion_15, Orwigg_14, PG1_15, Pacifista_14, PallasAthena_14, Phamished_15, Phareon_15, PhatCats2014_15, PhatLouie_15, Phelemich_16, PhenghisKhan_14, Pherdinand_15, Phergie_14, Phipps_15, Phleuron_14, PhrankReynolds_14, PhrodoBaggins_14, Phunky_15, Piglet_0014, PinheadLarry_15, Pinkman_14, Pipsqueak_15, Placalicious_14, Plata_14, Plmatters_15, Podrick_15, Pops_15, Poster_14, Potter_14, Prickles_15, Prince_15, ProfessorX_15, Puhltonio_15, QueenBeane_15, QueenPie_15, Quisquiliae_15, RawrgerThat_15, Reccee_16, RedMaple_14, RedRaider89_16, Renkei_14, Reprobate_16, Rich_16, Ricotta_14, Riggan_15, Rimu_15, Rita130_16, Riverton_15, Robyn_14, Roliet_15, Roscoe_16, Roy17_15, SDcharge11_15, Salazzle_14, SallyH_15, Samaymay_15, SassyCat97_14, Schadenfreude_14, Schueller_14, Scoot17C_15, Scrick_14, Selr12_15, Septica_14, Serendipitous_16, Serendipity_15, Serpentine_0015, ShadowBud_15, Sheila_15, Shenyu_16, ShiVal_15, Sigman_15, SilverBell_15, Simielle_14, SirBeauregard_14, SirJeffery_16, Skippy_15, Slatt_15, Soile_15, Solosis_14, Sophia_14, Soto_15, Spartan300_15, Squid_15, Squiggle_15, Stinger_13, Struggle_14, Suffolk_15, Surely_15, Swiphy_15, Swish_15, TallGrassMM_15, Taraxa_15, Telesworld_14, Thora_15, ThreeOh3D2_15, Thunderbird_14, Timmi_14, TomBombadil_15, Tomlarah_15, Toni_14, TooFast2Furius_16, Tooj_15, Triad_15, True_14, Trypo_15,

TyrionL_14, UAch1_15, UncleHowie_15, Usavi_15, Vaishali24_14, Valjean_15, Vaticameos_15, Vectra_14, Veritas_14, Vincenzo_16, VioletZ_15, Virapocalypse_15, Virgeve_14, Vista_15, Vivaldi_15, Vortex_15, Waleliano_15, Wallhey_14, Waterdiva_15, Weher20_15, Windsor_14, Xavier_14, Xincheng_15, Yoshand_15, YouGoGlencoco_15, Zaider_16, Zelda_15, Zemanar_16, Zonia_15,

Genes that have the "Most Annotated" start but do not call it:
• Adelaide_22, Bran_22, DigitDog_16, Dina_22, KarasumaRum_17, Mysterious_16, Nangang_16, StAB_22, Stiles_22, StinkyVeggy_17, Suigeneris_16,

Genes that do not have the "Most Annotated" start:
• Apricot_23, Asapag_24, BENtherdunthat_24, BatStarr_22, BearBQ_23, Bialota_22, Birdsong_23, Bosnia_22, BotCity_24, Budski_24, CheeseTouch_24, Crater_22, Evaa_15, Eviarto_22, Frickyeah_23, Getalong_25, HarveySr_17, Herod_22, Holliday_24, Horus_24, Hugley_22, Juicebox_24, Kamaru_24, Kenna_23, Kiko_24, Kuwabara_23, Lederberg_22, Leroy_24, LitninMcQueen_23, LonelyBoi_23, Lutum_24, Madavieve_22, Madeline_22, Malibo_24, Malisha_25, Marlia_17, MortyNRick_23, Nymphadora_22, Ohgeesy_22, Olivio_16, Periwinkle_26, Phabuloso_23, Phaedrus_16, Phistory_25, Polly_21, Reynauld_35, SamW_22, ShawBrad_24, Sidious_22, SlippinJimmy_17, Spooky_24, Squiddly_26, Srilaccoli3_34, SushiChef_24, TPA2_24, ThankyouJordi_21, TimTam_22, Troy_22, WelcomeAyanna_21, Whitney_25, Zirinka_22,

Summary by start number:

Start 30:
• Found in 16 of 448 (3.6%) of genes in pham
• Manual Annotations of this start: 2 of 395
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Mysterious_16 (B5), Suigeneris_16 (B5),

Start 32:
• Found in 1 of 448 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 395
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Evaa_15 (DR),

Start 33:
• Found in 387 of 448 (86.4%) of genes in pham
• Manual Annotations of this start: 335 of 395
• Called 97.2% of time when present
• Phage (with cluster) where this start called: ABU_15 (B1), AbsoluteMadLad_14 (B1), Acadian_16 (B5), Adriana_15 (B1), Aelin_14 (B1), Ahwei_14 (B4), AlanGrant_16 (B4), Aleia_15 (B1), AltPhacts_15 (B1), Altwerkus_14 (B1), Anderson_15 (B1), Andre_15 (B1), AngelCake_15 (B1), Antihero_14 (B4), Antonia_14 (B1), Aonishiki_15 (B1), Apex_15 (B4), Apizium_14 (B1), Ashraf_14 (B1), Austelle_16 (B4), Azuria_14 (B1), Badfish_15 (B1), Baee_16 (B5), Banjo_14 (B1), Basato_16 (B1), BatteryCK_14 (B1), Beaglebox_14 (B1), Bishoperium_14 (B1), BlackStallion_15 (B1), BlacksBerry_14 (B1), BlueHusk_15 (B1), Bluephacebaby_14 (B1), BobbyK_15 (B4), Boehler_15 (B1), BoogieWoogie_15 (B1), Brilliant_15 (B1), BrownCNA_16 (B4), Buckeye_15 (B1), Burr_14 (B1), CamL_15 (B1), CampRoach_15 (B1), Cannibal_15 (B1), Carthage_14 (B1), Caspiboi_14 (B1), Chaelin_14 (B1), Chah_15 (B1), Charles1_15 (B1), CharlieGBrown_14 (B1), CheetO_15 (B1), Cher_14 (B1),

Childish_14 (B1), Chipette_16 (B1), Chorkpop_15 (B1), ChrisnMich_14 (B4), Chuni_15 (B1), Chunky_15 (B1), Chute_15 (B1), Cobra_15 (B1), Colbert_15 (B1), Coletti_15 (B1), Cooper_15 (B4), Cornbread_14 (B1), Cornobble_14 (B1), Cosmolli16_14 (B1), Craff_15 (B1), Crownjwl_15 (B1), DaddyDaniels_15 (B1), Daffy_15 (B1), Daka_15 (B1), Dati_15 (B1), DelRivs_14 (B1), Derpp_14 (B1), Dice_14 (B1), Dingo_15 (B1), Dione_14 (B1), DirtJuice_15 (B1), Doddsville_15 (B1), DoesntMatter_15 (B1), DolOn_16 (B1), DonSanchon_14 (B1), Donny_16 (B5), DuchessDung_14 (B1), Duggie_14 (B1), Durga_15 (B1), EastView9101_16 (B5), ElvisPhasley_15 (B1), EmGer13_14 (B1), Emiris_15 (B1), EmpTee_15 (B1), Epah_14 (B4), Eremos_15 (B1), Etaye_15 (B1), Eugenia_15 (B1), Fanaw_15 (B4), Fang_15 (B1), Flake_15 (B1), FleetyMac_15 (B1), FluffyNinja_15 (B1), Fortunato_15 (B4), Fozzie_14 (B1), Frankicide_15 (B1), Frederick_15 (B4), FremontTroll_14 (B1), Freya_14 (B1), FriarPreacher_15 (B1), Fringe_15 (B1), FugateOSU_14 (B1), Gareth_14 (B1), GeneCoco_15 (B1), GinPorsche_14 (B4), Giraffe_15 (B1), Gophee_15 (B1), Grand2040_14 (B1), GreenChile_15 (B1), Gwennie1_15 (B1), Gwilliam_15 (B1), Gyarad_0015 (B1), HSavage_15 (B1), Haimas_15 (B1), Haleema_14 (B1), Hally898_14 (B4), Hamish_15 (B1), Hangman_15 (B4), Happabalu_15 (B1), Hartsy_15 (B1), Harvey_15 (B1), Heath_15 (B4), Hekos_14 (B1), Held_15 (B1), HenryJackson_14 (B1), Hertubise_15 (B1), Hetaeria_15 (B1), HighStump_14 (B1), Hocus_14 (B1), HogWash_14 (B1), Horchata_15 (B1), Hydro_15 (B4), ImtiyazSitla_14 (B1), Inchworm_15 (B1), Inverness_15 (B1), Iridessa_15 (B1), Iridoclysis_15 (B1), IsaacEli_15 (B1), JAMaL_15 (B4), JDog_14 (B1), JacAttac_15 (B1), JaguarMi_16 (B4), JakeO_14 (B1), JangoPhett_15 (B1), Jbug01_15 (B1), Jesabah_15 (B1), Jillium_14 (B1), Jiminy_14 (B1), Jiraiya_14 (B1), JoyceMaria_15 (B4), KLucky39_15 (B1), Kahve_14 (B1), Kailash_15 (B1), Karn_14 (B1), Katniss_15 (B1), Keitherie_15 (B1), Khan1_14 (B1), Kikipoo_15 (B1), Kimbrough_15 (B1), KingTut_14 (B1), KingVeVeVe_15 (B1), Kiwot_14 (B1), KlimbOn_15 (B1), Kloppinator_15 (B1), Kwadwo_14 (B1), Kwksand96_14 (B1), Labeoufiçaum_14 (B1), Lambano_14 (B4), Larson_16 (B1), LasagnaCat_15 (B1), Lasso_15 (B1), LeeLot_15 (B1), Lego3393_15 (B1), Legolas_14 (B1), Lehmann_15 (B1), LeiMonet_15 (B1), LemonSlice_15 (B1), LittleDigger_14 (B4), Lolalove_15 (B4), Longacauda_14 (B1), Lopsy_14 (B1), LostAndPhound_14 (B1), LuckyMarjie_14 (B1), Lulumae_14 (B1), Lulwa_15 (B1), Lumine_14 (B1), MRabcd_14 (B1), Mag7_14 (B1), Magic8_15 (B1), Magpie_15 (B4), Mana_14 (B1), Manad_14 (B1), Maru_14 (B1), Maskar_14 (B1), Matalotodo_15 (B1), Mcshane_14 (B1), Mecca_14 (B1), Megamind20_15 (B1), Megatron_15 (B1), Melc17_15 (B1), MelsMeow_14 (B1), Mesh1_15 (B1), Mesmerelda_14 (B1), MichaelPhcott_14 (B1), Mikota_15 (B1), MiniBoss_15 (B1), MitKao_15 (B1), Mithril_15 (B4), Morgushi_15 (B1), Morty_15 (B1), Mosaic_14 (B1), MrPhizzler_15 (B1), Mudslide_15 (B4), Mulan_14 (B1), Murdoc_15 (B1), Mutante_14 (B1), Nacho_0015 (B1), Nanao_14 (B4), Nathan_15 (B1), Nehemiah_15 (B5), Nehme_14 (B1), Newman_15 (B1), NiaNia_15 (B1), Nicole21_15 (B1), Nigel_13 (B4), Nova1_14 (B1), Numberten_15 (B1), Nyala_14 (B1), OSmaximus_15 (B1), Olak_14 (B1), Oline_14 (B1), Olive_15 (B1), OliverWalter_15 (B1), Omniscient_15 (B1), OneBrain_15 (B1), Oosterbaan_15 (B1), Orfeu_14 (B1), Orion_15 (B1), Orwigg_14 (B1), PG1_15 (B1), Pacifista_14 (B1), PallasAthena_14 (B1), Phamished_15 (B1), Phareon_15 (B1), PhatCats2014_15 (B1), PhatLouie_15 (B1), Phelemich_16 (B5), PhenghisKhan_14 (B1), Pherdinand_15 (B1), Phergie_14 (B1), Phipps_15 (B1), Phleuron_14 (B1), PhrankReynolds_14 (B1), PhrodoBaggins_14 (B1), Phunky_15 (B1), Piglet_0014 (B1), PinheadLarry_15 (B1), Pinkman_14 (B1), Pipsqueak_15 (B1), Placalicious_14 (B1), Plata_14 (B1), Plmatters_15 (B1), Podrick_15 (B1), Pops_15 (B1), Poster_14 (B4), Potter_14 (B1), Prickles_15 (B1), Prince_15 (B4), ProfessorX_15 (B1), Puhltonio_15 (B1), QueenBeane_15 (B1), QueenPie_15 (B4), Quisquiliae_15 (B1), RawrgerThat_15

(B4), Reccee_16 (B5), RedMaple_14 (B1), RedRaider89_16 (B1), Renkei_14 (B4), Reprobate_16 (B5), Rich_16 (B5), Ricotta_14 (B1), Riggan_15 (B1), Rimu_15 (B1), Rita130_16 (B5), Riverton_15 (B1), Robyn_14 (B1), Roliet_15 (B1), Roscoe_16 (B1), Roy17_15 (B1), SDcharge11_15 (B1), Salazzle_14 (B1), SallyH_15 (B1), Samaymay_15 (B1), SassyCat97_14 (B1), Schadenfreude_14 (B1), Schueller_14 (B1), Scoot17C_15 (B1), Scrick_14 (B1), Selr12_15 (B1), Septica_14 (B1), Serendipitous_16 (B5), Serendipity_15 (B1), Serpentine_0015 (B1), ShadowBud_15 (B1), Sheila_15 (B1), Shenyu_16 (B5), ShiVal_15 (B1), Sigman_15 (B1), SilverBell_15 (B1), Simielle_14 (B1), SirBeauregard_14 (B1), SirJeffery_16 (B5), Skippy_15 (B1), Slatt_15 (B1), Soile_15 (B1), Solosis_14 (B1), Sophia_14 (B1), Soto_15 (B1), Spartan300_15 (B1), Squid_15 (B1), Squiggle_15 (B1), Stinger_13 (B4), Struggle_14 (B1), Suffolk_15 (B1), Surely_15 (B1), Swiphy_15 (B1), Swish_15 (B1), TallGrassMM_15 (B1), Taraxa_15 (B1), Telesworld_14 (B1), Thora_15 (B1), ThreeOh3D2_15 (B1), Thunderbird_14 (B1), Timmi_14 (B1), TomBombadil_15 (B1), Tomlarah_15 (B1), Toni_14 (B1), TooFast2Furius_16 (B1), Tooj_15 (B1), Triad_15 (B1), True_14 (B1), Trypo_15 (B1), TyrionL_14 (B1), UAch1_15 (B1), UncleHowie_15 (B1), Usavi_15 (B1), Vaishali24_14 (B1), Valjean_15 (B1), Vaticameos_15 (B1), Vectra_14 (B1), Veritas_14 (B1), Vincenzo_16 (B4), VioletZ_15 (B4), Virapocalypse_15 (B1), Virgeve_14 (B1), Vista_15 (B1), Vivaldi_15 (B1), Vortex_15 (B1), Waleliano_15 (B4), Wallhey_14 (B1), Waterdiva_15 (B1), Weher20_15 (B1), Windsor_14 (B1), Xavier_14 (B1), Xincheng_15 (B4), Yoshand_15 (B1), YouGoGlencoco_15 (B1), Zaider_16 (B1), Zelda_15 (B1), Zemanar_16 (B4), Zonia_15 (B1),

Start 35:
• Found in 1 of 448 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 395
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Reynauld_35 (CH),

Start 37:
• Found in 1 of 448 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 395
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kiko_24 (DB),

Start 38:
• Found in 13 of 448 (2.9%) of genes in pham
• Manual Annotations of this start: 10 of 395
• Called 76.9% of time when present
• Phage (with cluster) where this start called: Adelaide_22 (EP), Bran_22 (EP), Dina_22 (EP), Juicebox_24 (singleton), Lederberg_22 (EP), SamW_22 (EP), Srilaccoli3_34 (CH), StAB_22 (EP), Stiles_22 (EP), Troy_22 (EP),

Start 40:
• Found in 29 of 448 (6.5%) of genes in pham
• Manual Annotations of this start: 17 of 395
• Called 58.6% of time when present
• Phage (with cluster) where this start called: Apricot_23 (DN3), BearBQ_23 (DN), Birdsong_23 (DN), BotCity_24 (DN), Budski_24 (DN), CheeseTouch_24 (DN1), Crater_22 (DN3), Holliday_24 (DN1), Horus_24 (DN1), Kenna_23 (DN1), Leroy_24 (DN1), LitninMcQueen_23 (DN1), LonelyBoi_23 (CY7), Lutum_24 (DN1), Malisha_25 (DN), MortyNRick_23 (DN), Phabuloso_23 (DN1),

Start 41:
• Found in 48 of 448 (10.7%) of genes in pham
• Manual Annotations of this start: 26 of 395
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Asapag_24 (DN1), BENtherdunthat_24 (DN1), BatStarr_22 (CZ1), Bialota_22 (CZ1), Bosnia_22 (CZ1), Eviarto_22 (CZ1), Frickyeah_23 (DN1), Getalong_25 (DN1), Herod_22 (CZ1), Hugley_22 (CZ1), Kamaru_24 (DN1), Kuwabara_23 (DN4), Madavieve_22 (CZ1), Madeline_22 (CZ1), Malibo_24 (DW), Nymphadora_22 (CZ1), Ohgeesy_22 (CZ), Periwinkle_26 (DN1), Phistory_25 (DN1), Polly_21 (CZ1), ShawBrad_24 (DN1), Sidious_22 (CZ7), Spooky_24 (DN2), Squiddly_26 (DN2), SushiChef_24 (CZ), ThankyouJordi_21 (CZ1), TimTam_22 (CZ1), WelcomeAyanna_21 (CZ1), Whitney_25 (DN1), Zirinka_22 (CZ1),

Start 46:
• Found in 55 of 448 (12.3%) of genes in pham
• Manual Annotations of this start: 2 of 395
• Called 9.1% of time when present
• Phage (with cluster) where this start called: HarveySr_17 (B3), Marlia_17 (B3), Olivio_16 (B3), Phaedrus_16 (B3), SlippinJimmy_17 (B3),

Start 47:
• Found in 343 of 448 (76.6%) of genes in pham
• No Manual Annotations of this start.
• Called 0.9% of time when present
• Phage (with cluster) where this start called: DigitDog_16 (B5), KarasumaRum_17 (B5), StinkyVeggy_17 (B5),

Start 48:
• Found in 383 of 448 (85.5%) of genes in pham
• No Manual Annotations of this start.
• Called 0.5% of time when present
• Phage (with cluster) where this start called: Nangang_16 (B5), TPA2_24 (singleton),

Summary by clusters:

There are 19 clusters represented in this pham: DN, singleton, CH, CY7, DN4, CZ1, DB, CZ7, CZ, DN2, B4, B5, DN1, B1, DN3, B3, DW, DR, EP,

Info for manual annotations of cluster B1:
•Start number 33 was manually annotated 297 times for cluster B1.

Info for manual annotations of cluster B3:
•Start number 46 was manually annotated 2 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 33 was manually annotated 29 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 30 was manually annotated 2 times for cluster B5.
•Start number 33 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster CH:

•Start number 35 was manually annotated 1 time for cluster CH.
•Start number 38 was manually annotated 1 time for cluster CH.

Info for manual annotations of cluster CY7:
•Start number 40 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:
•Start number 41 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 41 was manually annotated 12 times for cluster CZ1.

Info for manual annotations of cluster CZ7:
•Start number 41 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DB:
•Start number 37 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DN:
•Start number 40 was manually annotated 6 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 40 was manually annotated 8 times for cluster DN1.
•Start number 41 was manually annotated 8 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 41 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 40 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:
•Start number 41 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DR:
•Start number 32 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster DW:
•Start number 41 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster EP:
•Start number 38 was manually annotated 8 times for cluster EP.

Gene Information:

Gene: ABU_15 Start: 13245, Stop: 13634, Start Num: 33
Candidate Starts for ABU_15:
(Start: 33 @13245 has 335 MA's), (44, 13323), (47, 13338), (48, 13341), (61, 13404), (63, 13413), (65, 13422), (70, 13458), (77, 13494), (95, 13599),

Gene: AbsoluteMadLad_14 Start: 13249, Stop: 13638, Start Num: 33

Candidate Starts for AbsoluteMadLad_14:
(Start: 33 @13249 has 335 MA's), (44, 13327), (47, 13342), (48, 13345), (61, 13408), (63, 13417), (65, 13426), (70, 13462), (77, 13498), (95, 13603),

Gene: Acadian_16 Start: 14844, Stop: 15251, Start Num: 33
Candidate Starts for Acadian_16:
(19, 14721), (Start: 30 @14829 has 2 MA's), (Start: 33 @14844 has 335 MA's), (47, 14949), (48, 14952), (51, 14961), (63, 15024), (70, 15069), (77, 15105), (84, 15147), (99, 15231),

Gene: Adelaide_22 Start: 21613, Stop: 21981, Start Num: 38
Candidate Starts for Adelaide_22:
(13, 21418), (17, 21445), (Start: 33 @21595 has 335 MA's), (Start: 38 @21613 has 10 MA's), (47, 21685), (51, 21697), (56, 21736), (57, 21739),

Gene: Adriana_15 Start: 13247, Stop: 13636, Start Num: 33
Candidate Starts for Adriana_15:
(Start: 33 @13247 has 335 MA's), (44, 13325), (47, 13340), (48, 13343), (61, 13406), (63, 13415), (65, 13424), (70, 13460), (77, 13496), (95, 13601),

Gene: Aelin_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for Aelin_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Ahwei_14 Start: 13912, Stop: 14313, Start Num: 33
Candidate Starts for Ahwei_14:
(Start: 33 @13912 has 335 MA's), (48, 14014), (61, 14077), (63, 14086), (65, 14095), (70, 14131), (73, 14149), (75, 14158), (77, 14167), (82, 14188), (83, 14197), (98, 14290),

Gene: AlanGrant_16 Start: 15755, Stop: 16156, Start Num: 33
Candidate Starts for AlanGrant_16:
(Start: 33 @15755 has 335 MA's), (Start: 38 @15782 has 10 MA's), (48, 15857), (54, 15896), (61, 15920), (63, 15929), (69, 15968), (71, 15980), (73, 15992), (77, 16010), (81, 16028), (83, 16040), (84, 16052),

Gene: Aleia_15 Start: 12826, Stop: 13215, Start Num: 33
Candidate Starts for Aleia_15:
(Start: 33 @12826 has 335 MA's), (44, 12904), (47, 12919), (48, 12922), (61, 12985), (63, 12994), (65, 13003), (70, 13039), (77, 13075), (95, 13180),

Gene: AltPhacts_15 Start: 13242, Stop: 13631, Start Num: 33
Candidate Starts for AltPhacts_15:
(Start: 33 @13242 has 335 MA's), (44, 13320), (47, 13335), (48, 13338), (61, 13401), (63, 13410), (65, 13419), (70, 13455), (77, 13491), (95, 13596),

Gene: Altwerkus_14 Start: 12942, Stop: 13331, Start Num: 33
Candidate Starts for Altwerkus_14:
(Start: 33 @12942 has 335 MA's), (44, 13020), (47, 13035), (48, 13038), (61, 13101), (63, 13110), (65, 13119), (70, 13155), (77, 13191), (95, 13296),

Gene: Anderson_15 Start: 13238, Stop: 13627, Start Num: 33
Candidate Starts for Anderson_15:

(Start: 33 @13238 has 335 MA's), (44, 13316), (47, 13331), (48, 13334), (61, 13397), (63, 13406), (65, 13415), (70, 13451), (77, 13487), (95, 13592),

Gene: Andre_15 Start: 13236, Stop: 13625, Start Num: 33
Candidate Starts for Andre_15:
(Start: 33 @13236 has 335 MA's), (44, 13314), (47, 13329), (48, 13332), (61, 13395), (63, 13404), (65, 13413), (70, 13449), (77, 13485), (95, 13590),

Gene: AngelCake_15 Start: 13250, Stop: 13639, Start Num: 33
Candidate Starts for AngelCake_15:
(Start: 33 @13250 has 335 MA's), (44, 13328), (47, 13343), (48, 13346), (61, 13409), (63, 13418), (65, 13427), (70, 13463), (77, 13499), (95, 13604),

Gene: Antihero_14 Start: 13912, Stop: 14313, Start Num: 33
Candidate Starts for Antihero_14:
(Start: 33 @13912 has 335 MA's), (48, 14014), (61, 14077), (63, 14086), (65, 14095), (70, 14131), (73, 14149), (75, 14158), (77, 14167), (82, 14188), (83, 14197), (98, 14290),

Gene: Antonia_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for Antonia_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Aonishiki_15 Start: 13268, Stop: 13657, Start Num: 33
Candidate Starts for Aonishiki_15:
(Start: 33 @13268 has 335 MA's), (44, 13346), (47, 13361), (48, 13364), (61, 13427), (63, 13436), (65, 13445), (70, 13481), (77, 13517), (95, 13622),

Gene: Apex_15 Start: 15157, Stop: 15558, Start Num: 33
Candidate Starts for Apex_15:
(Start: 33 @15157 has 335 MA's), (Start: 46 @15253 has 2 MA's), (48, 15259), (54, 15298), (61, 15322), (63, 15331), (70, 15376), (71, 15382), (73, 15394), (75, 15403), (77, 15412), (82, 15433), (83, 15442), (98, 15535),

Gene: Apizium_14 Start: 12982, Stop: 13371, Start Num: 33
Candidate Starts for Apizium_14:
(Start: 33 @12982 has 335 MA's), (43, 13024), (44, 13060), (47, 13075), (48, 13078), (61, 13141), (63, 13150), (65, 13159), (70, 13195), (77, 13231), (84, 13273), (95, 13336),

Gene: Apricot_23 Start: 19749, Stop: 20129, Start Num: 40
Candidate Starts for Apricot_23:
(Start: 40 @19749 has 17 MA's), (Start: 41 @19755 has 26 MA's), (45, 19812), (Start: 46 @19815 has 2 MA's), (64, 19899), (67, 19920), (72, 19962), (73, 19965), (92, 20064),

Gene: Asapag_24 Start: 20197, Stop: 20571, Start Num: 41
Candidate Starts for Asapag_24:
(Start: 40 @20191 has 17 MA's), (Start: 41 @20197 has 26 MA's), (45, 20254), (Start: 46 @20257 has 2 MA's), (49, 20266), (58, 20314), (67, 20362), (72, 20404), (73, 20407), (92, 20506),

Gene: Ashraf_14 Start: 12800, Stop: 13189, Start Num: 33
Candidate Starts for Ashraf_14:
(Start: 33 @12800 has 335 MA's), (44, 12878), (47, 12893), (48, 12896), (61, 12959), (63, 12968), (65, 12977), (70, 13013), (77, 13049), (95, 13154),

Gene: Austelle_16 Start: 15613, Stop: 16014, Start Num: 33
Candidate Starts for Austelle_16:
(Start: 33 @15613 has 335 MA's), (48, 15715), (54, 15754), (61, 15778), (63, 15787), (70, 15832), (73, 15850), (77, 15868), (82, 15889), (83, 15898), (98, 15991),

Gene: Azuria_14 Start: 13264, Stop: 13653, Start Num: 33
Candidate Starts for Azuria_14:
(Start: 33 @13264 has 335 MA's), (44, 13342), (47, 13357), (48, 13360), (61, 13423), (63, 13432), (65, 13441), (70, 13477), (77, 13513), (95, 13618),

Gene: BENtherdunthat_24 Start: 20197, Stop: 20568, Start Num: 41
Candidate Starts for BENtherdunthat_24:
(Start: 40 @20191 has 17 MA's), (Start: 41 @20197 has 26 MA's), (45, 20254), (Start: 46 @20257 has 2 MA's), (64, 20341), (67, 20362), (72, 20404), (73, 20407), (75, 20416), (87, 20476), (88, 20479),

Gene: Badfish_15 Start: 13271, Stop: 13660, Start Num: 33
Candidate Starts for Badfish_15:
(Start: 33 @13271 has 335 MA's), (44, 13349), (47, 13364), (48, 13367), (61, 13430), (63, 13439), (65, 13448), (70, 13484), (77, 13520), (95, 13625),

Gene: Baee_16 Start: 14990, Stop: 15397, Start Num: 33
Candidate Starts for Baee_16:
(10, 14732), (Start: 33 @14990 has 335 MA's), (47, 15095), (48, 15098), (63, 15170), (64, 15176), (70, 15215), (77, 15251), (84, 15293), (99, 15377),

Gene: Banjo_14 Start: 12949, Stop: 13338, Start Num: 33
Candidate Starts for Banjo_14:
(Start: 33 @12949 has 335 MA's), (44, 13027), (47, 13042), (48, 13045), (61, 13108), (63, 13117), (65, 13126), (70, 13162), (77, 13198), (95, 13303),

Gene: Basato_16 Start: 13475, Stop: 13864, Start Num: 33
Candidate Starts for Basato_16:
(Start: 33 @13475 has 335 MA's), (44, 13553), (47, 13568), (48, 13571), (61, 13634), (63, 13643), (65, 13652), (70, 13688), (77, 13724), (95, 13829),

Gene: BatStarr_22 Start: 21074, Stop: 21430, Start Num: 41
Candidate Starts for BatStarr_22:
(Start: 41 @21074 has 26 MA's), (Start: 46 @21134 has 2 MA's), (49, 21143), (64, 21218), (72, 21281), (75, 21293), (87, 21353),

Gene: BatteryCK_14 Start: 12806, Stop: 13195, Start Num: 33
Candidate Starts for BatteryCK_14:
(Start: 33 @12806 has 335 MA's), (44, 12884), (47, 12899), (48, 12902), (61, 12965), (63, 12974), (65, 12983), (70, 13019), (77, 13055), (95, 13160),

Gene: Beaglebox_14 Start: 12966, Stop: 13355, Start Num: 33
Candidate Starts for Beaglebox_14:
(Start: 33 @12966 has 335 MA's), (44, 13044), (47, 13059), (48, 13062), (61, 13125), (63, 13134), (65, 13143), (70, 13179), (77, 13215), (95, 13320),

Gene: BearBQ_23 Start: 21031, Stop: 21408, Start Num: 40
Candidate Starts for BearBQ_23:

(Start: 40 @21031 has 17 MA's), (Start: 41 @21037 has 26 MA's), (45, 21094), (Start: 46 @21097 has 2 MA's), (64, 21181), (67, 21202), (72, 21244), (73, 21247), (75, 21256), (87, 21316), (88, 21319),

Gene: Bialota_22 Start: 21086, Stop: 21442, Start Num: 41
Candidate Starts for Bialota_22:
(Start: 41 @21086 has 26 MA's), (Start: 46 @21146 has 2 MA's), (49, 21155), (64, 21230), (72, 21293), (75, 21305), (87, 21365),

Gene: Birdsong_23 Start: 19924, Stop: 20301, Start Num: 40
Candidate Starts for Birdsong_23:
(Start: 40 @19924 has 17 MA's), (Start: 41 @19930 has 26 MA's), (45, 19987), (Start: 46 @19990 has 2 MA's), (64, 20074), (67, 20095), (72, 20137), (73, 20140), (75, 20149), (87, 20209), (88, 20212),

Gene: Bishoperium_14 Start: 12955, Stop: 13344, Start Num: 33
Candidate Starts for Bishoperium_14:
(Start: 33 @12955 has 335 MA's), (44, 13033), (47, 13048), (48, 13051), (61, 13114), (63, 13123), (65, 13132), (70, 13168), (77, 13204), (95, 13309),

Gene: BlackStallion_15 Start: 13257, Stop: 13646, Start Num: 33
Candidate Starts for BlackStallion_15:
(Start: 33 @13257 has 335 MA's), (44, 13335), (47, 13350), (48, 13353), (61, 13416), (63, 13425), (65, 13434), (70, 13470), (77, 13506), (95, 13611),

Gene: BlacksBerry_14 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for BlacksBerry_14:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: BlueHusk_15 Start: 13238, Stop: 13627, Start Num: 33
Candidate Starts for BlueHusk_15:
(Start: 33 @13238 has 335 MA's), (44, 13316), (47, 13331), (48, 13334), (61, 13397), (63, 13406), (65, 13415), (70, 13451), (77, 13487), (95, 13592),

Gene: Bluephacebaby_14 Start: 12955, Stop: 13344, Start Num: 33
Candidate Starts for Bluephacebaby_14:
(Start: 33 @12955 has 335 MA's), (44, 13033), (47, 13048), (48, 13051), (61, 13114), (63, 13123), (65, 13132), (70, 13168), (77, 13204), (95, 13309),

Gene: BobbyK_15 Start: 14976, Stop: 15377, Start Num: 33
Candidate Starts for BobbyK_15:
(Start: 33 @14976 has 335 MA's), (Start: 46 @15072 has 2 MA's), (48, 15078), (54, 15117), (61, 15141), (63, 15150), (70, 15195), (73, 15213), (77, 15231), (82, 15252), (83, 15261), (98, 15354),

Gene: Boehler_15 Start: 13265, Stop: 13654, Start Num: 33
Candidate Starts for Boehler_15:
(Start: 33 @13265 has 335 MA's), (44, 13343), (47, 13358), (48, 13361), (61, 13424), (63, 13433), (65, 13442), (70, 13478), (77, 13514), (79, 13520), (95, 13619),

Gene: BoogieWoogie_15 Start: 12942, Stop: 13331, Start Num: 33
Candidate Starts for BoogieWoogie_15:
(Start: 33 @12942 has 335 MA's), (44, 13020), (47, 13035), (48, 13038), (61, 13101), (63, 13110), (65, 13119), (70, 13155), (77, 13191), (95, 13296),

Gene: Bosnia_22 Start: 21074, Stop: 21430, Start Num: 41
Candidate Starts for Bosnia_22:
(Start: 41 @21074 has 26 MA's), (Start: 46 @21134 has 2 MA's), (49, 21143), (64, 21218), (72, 21281), (75, 21293), (87, 21353),

Gene: BotCity_24 Start: 20189, Stop: 20569, Start Num: 40
Candidate Starts for BotCity_24:
(Start: 40 @20189 has 17 MA's), (Start: 41 @20195 has 26 MA's), (45, 20252), (Start: 46 @20255 has 2 MA's), (49, 20264), (58, 20312), (67, 20360), (72, 20402), (73, 20405), (92, 20504),

Gene: Bran_22 Start: 21277, Stop: 21648, Start Num: 38
Candidate Starts for Bran_22:
(Start: 33 @21259 has 335 MA's), (Start: 38 @21277 has 10 MA's), (63, 21424), (73, 21487), (78, 21508), (83, 21535), (101, 21637),

Gene: Brilliant_15 Start: 12959, Stop: 13348, Start Num: 33
Candidate Starts for Brilliant_15:
(Start: 33 @12959 has 335 MA's), (44, 13037), (47, 13052), (48, 13055), (61, 13118), (63, 13127), (65, 13136), (70, 13172), (77, 13208), (95, 13313),

Gene: BrownCNA_16 Start: 15230, Stop: 15631, Start Num: 33
Candidate Starts for BrownCNA_16:
(Start: 33 @15230 has 335 MA's), (48, 15332), (54, 15371), (61, 15395), (63, 15404), (70, 15449), (73, 15467), (75, 15476), (77, 15485), (82, 15506), (83, 15515), (98, 15608),

Gene: Buckeye_15 Start: 13273, Stop: 13662, Start Num: 33
Candidate Starts for Buckeye_15:
(Start: 33 @13273 has 335 MA's), (44, 13351), (47, 13366), (48, 13369), (61, 13432), (63, 13441), (65, 13450), (70, 13486), (77, 13522), (95, 13627),

Gene: Budski_24 Start: 20296, Stop: 20676, Start Num: 40
Candidate Starts for Budski_24:
(3, 19807), (6, 19918), (7, 19936), (Start: 40 @20296 has 17 MA's), (Start: 41 @20302 has 26 MA's), (45, 20359), (Start: 46 @20362 has 2 MA's), (49, 20371), (64, 20446), (72, 20509), (73, 20512), (75, 20521), (87, 20581), (88, 20584),

Gene: Burr_14 Start: 12955, Stop: 13344, Start Num: 33
Candidate Starts for Burr_14:
(Start: 33 @12955 has 335 MA's), (44, 13033), (47, 13048), (48, 13051), (61, 13114), (63, 13123), (65, 13132), (70, 13168), (77, 13204), (95, 13309),

Gene: CamL_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for CamL_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: CampRoach_15 Start: 13244, Stop: 13633, Start Num: 33
Candidate Starts for CampRoach_15:
(Start: 33 @13244 has 335 MA's), (44, 13322), (47, 13337), (48, 13340), (61, 13403), (63, 13412), (65, 13421), (70, 13457), (77, 13493), (95, 13598),

Gene: Cannibal_15 Start: 13238, Stop: 13627, Start Num: 33
Candidate Starts for Cannibal_15:

(Start: 33 @13238 has 335 MA's), (44, 13316), (47, 13331), (48, 13334), (61, 13397), (63, 13406), (65, 13415), (70, 13451), (77, 13487), (95, 13592),

Gene: Carthage_14 Start: 12916, Stop: 13305, Start Num: 33
Candidate Starts for Carthage_14:
(Start: 33 @12916 has 335 MA's), (44, 12994), (47, 13009), (48, 13012), (61, 13075), (63, 13084), (65, 13093), (70, 13129), (77, 13165), (95, 13270),

Gene: Caspiboi_14 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for Caspiboi_14:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: Chaelin_14 Start: 12920, Stop: 13309, Start Num: 33
Candidate Starts for Chaelin_14:
(Start: 33 @12920 has 335 MA's), (44, 12998), (47, 13013), (48, 13016), (61, 13079), (63, 13088), (65, 13097), (70, 13133), (77, 13169), (95, 13274),

Gene: Chah_15 Start: 13272, Stop: 13661, Start Num: 33
Candidate Starts for Chah_15:
(Start: 33 @13272 has 335 MA's), (44, 13350), (47, 13365), (48, 13368), (61, 13431), (63, 13440), (65, 13449), (70, 13485), (77, 13521), (95, 13626),

Gene: Charles1_15 Start: 13235, Stop: 13624, Start Num: 33
Candidate Starts for Charles1_15:
(Start: 33 @13235 has 335 MA's), (44, 13313), (47, 13328), (48, 13331), (61, 13394), (63, 13403), (65, 13412), (70, 13448), (77, 13484), (95, 13589),

Gene: CharlieGBrown_14 Start: 12824, Stop: 13213, Start Num: 33
Candidate Starts for CharlieGBrown_14:
(Start: 33 @12824 has 335 MA's), (44, 12902), (47, 12917), (48, 12920), (61, 12983), (63, 12992), (65, 13001), (70, 13037), (77, 13073), (95, 13178),

Gene: CheeseTouch_24 Start: 20185, Stop: 20562, Start Num: 40
Candidate Starts for CheeseTouch_24:
(Start: 40 @20185 has 17 MA's), (Start: 41 @20191 has 26 MA's), (45, 20248), (Start: 46 @20251 has 2 MA's), (49, 20260), (58, 20308), (64, 20335), (72, 20398), (73, 20401), (79, 20425), (87, 20470), (88, 20473),

Gene: CheetO_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for CheetO_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Cher_14 Start: 12978, Stop: 13367, Start Num: 33
Candidate Starts for Cher_14:
(Start: 33 @12978 has 335 MA's), (44, 13056), (47, 13071), (48, 13074), (61, 13137), (63, 13146), (65, 13155), (70, 13191), (77, 13227), (95, 13332),

Gene: Childish_14 Start: 12966, Stop: 13355, Start Num: 33
Candidate Starts for Childish_14:
(Start: 33 @12966 has 335 MA's), (44, 13044), (47, 13059), (48, 13062), (61, 13125), (63, 13134), (65, 13143), (70, 13179), (77, 13215), (95, 13320),

Gene: Chipette_16 Start: 13476, Stop: 13865, Start Num: 33
Candidate Starts for Chipette_16:
(Start: 33 @13476 has 335 MA's), (44, 13554), (47, 13569), (48, 13572), (61, 13635), (63, 13644), (65, 13653), (70, 13689), (77, 13725), (95, 13830),

Gene: Chorkpop_15 Start: 12978, Stop: 13367, Start Num: 33
Candidate Starts for Chorkpop_15:
(Start: 33 @12978 has 335 MA's), (44, 13056), (47, 13071), (48, 13074), (61, 13137), (63, 13146), (65, 13155), (70, 13191), (77, 13227), (95, 13332),

Gene: ChrisnMich_14 Start: 13912, Stop: 14313, Start Num: 33
Candidate Starts for ChrisnMich_14:
(Start: 33 @13912 has 335 MA's), (48, 14014), (61, 14077), (63, 14086), (65, 14095), (70, 14131), (73, 14149), (75, 14158), (77, 14167), (82, 14188), (83, 14197), (98, 14290),

Gene: Chuni_15 Start: 13269, Stop: 13658, Start Num: 33
Candidate Starts for Chuni_15:
(Start: 33 @13269 has 335 MA's), (44, 13347), (47, 13362), (48, 13365), (61, 13428), (63, 13437), (65, 13446), (70, 13482), (77, 13518), (95, 13623),

Gene: Chunky_15 Start: 13265, Stop: 13654, Start Num: 33
Candidate Starts for Chunky_15:
(Start: 33 @13265 has 335 MA's), (44, 13343), (47, 13358), (48, 13361), (61, 13424), (63, 13433), (65, 13442), (70, 13478), (77, 13514), (95, 13619),

Gene: Chute_15 Start: 13268, Stop: 13657, Start Num: 33
Candidate Starts for Chute_15:
(Start: 33 @13268 has 335 MA's), (44, 13346), (47, 13361), (48, 13364), (61, 13427), (63, 13436), (65, 13445), (70, 13481), (77, 13517), (95, 13622),

Gene: Cobra_15 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for Cobra_15:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: Colbert_15 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for Colbert_15:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: Coletti_15 Start: 13268, Stop: 13657, Start Num: 33
Candidate Starts for Coletti_15:
(Start: 33 @13268 has 335 MA's), (44, 13346), (47, 13361), (48, 13364), (61, 13427), (63, 13436), (65, 13445), (70, 13481), (77, 13517), (95, 13622),

Gene: Cooper_15 Start: 14020, Stop: 14421, Start Num: 33
Candidate Starts for Cooper_15:
(Start: 33 @14020 has 335 MA's), (48, 14122), (54, 14161), (61, 14185), (63, 14194), (67, 14212), (70, 14239), (73, 14257), (75, 14266), (77, 14275), (81, 14293), (82, 14296), (83, 14305), (89, 14332), (98, 14398),

Gene: Cornbread_14 Start: 12969, Stop: 13358, Start Num: 33

Candidate Starts for Cornbread_14:
(Start: 33 @12969 has 335 MA's), (44, 13047), (47, 13062), (48, 13065), (61, 13128), (63, 13137), (65, 13146), (70, 13182), (77, 13218), (95, 13323),

Gene: Cornobble_14 Start: 12813, Stop: 13202, Start Num: 33
Candidate Starts for Cornobble_14:
(Start: 33 @12813 has 335 MA's), (44, 12891), (47, 12906), (48, 12909), (61, 12972), (63, 12981), (65, 12990), (70, 13026), (77, 13062), (95, 13167),

Gene: Cosmolli16_14 Start: 12970, Stop: 13359, Start Num: 33
Candidate Starts for Cosmolli16_14:
(Start: 33 @12970 has 335 MA's), (44, 13048), (47, 13063), (48, 13066), (61, 13129), (63, 13138), (65, 13147), (70, 13183), (77, 13219), (95, 13324),

Gene: Craff_15 Start: 13259, Stop: 13648, Start Num: 33
Candidate Starts for Craff_15:
(Start: 33 @13259 has 335 MA's), (44, 13337), (47, 13352), (48, 13355), (61, 13418), (63, 13427), (65, 13436), (70, 13472), (77, 13508), (95, 13613),

Gene: Crater_22 Start: 19749, Stop: 20129, Start Num: 40
Candidate Starts for Crater_22:
(Start: 40 @19749 has 17 MA's), (Start: 41 @19755 has 26 MA's), (45, 19812), (Start: 46 @19815 has 2 MA's), (64, 19899), (67, 19920), (72, 19962), (73, 19965), (92, 20064),

Gene: Crownjwl_15 Start: 13026, Stop: 13415, Start Num: 33
Candidate Starts for Crownjwl_15:
(Start: 33 @13026 has 335 MA's), (44, 13104), (47, 13119), (48, 13122), (61, 13185), (63, 13194), (65, 13203), (70, 13239), (77, 13275), (95, 13380),

Gene: DaddyDaniels_15 Start: 12962, Stop: 13351, Start Num: 33
Candidate Starts for DaddyDaniels_15:
(Start: 33 @12962 has 335 MA's), (44, 13040), (47, 13055), (48, 13058), (61, 13121), (63, 13130), (65, 13139), (70, 13175), (77, 13211), (95, 13316),

Gene: Daffy_15 Start: 12978, Stop: 13367, Start Num: 33
Candidate Starts for Daffy_15:
(Start: 33 @12978 has 335 MA's), (44, 13056), (47, 13071), (48, 13074), (61, 13137), (63, 13146), (65, 13155), (70, 13191), (77, 13227), (95, 13332),

Gene: Daka_15 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for Daka_15:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: Dati_15 Start: 12966, Stop: 13355, Start Num: 33
Candidate Starts for Dati_15:
(Start: 33 @12966 has 335 MA's), (44, 13044), (47, 13059), (48, 13062), (61, 13125), (63, 13134), (65, 13143), (70, 13179), (77, 13215), (95, 13320),

Gene: DelRivs_14 Start: 12965, Stop: 13354, Start Num: 33
Candidate Starts for DelRivs_14:
(Start: 33 @12965 has 335 MA's), (44, 13043), (47, 13058), (48, 13061), (61, 13124), (63, 13133), (65, 13142), (70, 13178), (77, 13214), (95, 13319),

Gene: Derpp_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for Derpp_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Dice_14 Start: 12953, Stop: 13342, Start Num: 33
Candidate Starts for Dice_14:
(Start: 33 @12953 has 335 MA's), (44, 13031), (47, 13046), (48, 13049), (61, 13112), (63, 13121), (65, 13130), (70, 13166), (77, 13202), (95, 13307),

Gene: DigitDog_16 Start: 14925, Stop: 15227, Start Num: 47
Candidate Starts for DigitDog_16:
(19, 14706), (Start: 30 @14814 has 2 MA's), (Start: 33 @14829 has 335 MA's), (47, 14925), (48, 14928), (63, 15000), (70, 15045), (77, 15081), (84, 15123), (99, 15207),

Gene: Dina_22 Start: 21114, Stop: 21479, Start Num: 38
Candidate Starts for Dina_22:
(24, 21018), (25, 21021), (Start: 33 @21096 has 335 MA's), (Start: 38 @21114 has 10 MA's), (51, 21198), (56, 21237), (57, 21240), (70, 21306), (101, 21468),

Gene: Dingo_15 Start: 13238, Stop: 13627, Start Num: 33
Candidate Starts for Dingo_15:
(Start: 33 @13238 has 335 MA's), (44, 13316), (47, 13331), (48, 13334), (61, 13397), (63, 13406), (65, 13415), (70, 13451), (77, 13487), (95, 13592),

Gene: Dione_14 Start: 12954, Stop: 13343, Start Num: 33
Candidate Starts for Dione_14:
(Start: 33 @12954 has 335 MA's), (44, 13032), (47, 13047), (48, 13050), (61, 13113), (63, 13122), (65, 13131), (70, 13167), (77, 13203), (95, 13308),

Gene: DirtJuice_15 Start: 13241, Stop: 13630, Start Num: 33
Candidate Starts for DirtJuice_15:
(Start: 33 @13241 has 335 MA's), (44, 13319), (47, 13334), (48, 13337), (61, 13400), (63, 13409), (65, 13418), (70, 13454), (77, 13490), (95, 13595),

Gene: Doddsville_15 Start: 12966, Stop: 13355, Start Num: 33
Candidate Starts for Doddsville_15:
(Start: 33 @12966 has 335 MA's), (44, 13044), (47, 13059), (48, 13062), (61, 13125), (63, 13134), (65, 13143), (70, 13179), (77, 13215), (95, 13320),

Gene: DoesntMatter_15 Start: 13235, Stop: 13624, Start Num: 33
Candidate Starts for DoesntMatter_15:
(Start: 33 @13235 has 335 MA's), (44, 13313), (47, 13328), (48, 13331), (61, 13394), (63, 13403), (65, 13412), (70, 13448), (77, 13484), (95, 13589),

Gene: DolOn_16 Start: 13488, Stop: 13877, Start Num: 33
Candidate Starts for DolOn_16:
(Start: 33 @13488 has 335 MA's), (44, 13566), (47, 13581), (48, 13584), (61, 13647), (63, 13656), (65, 13665), (70, 13701), (77, 13737), (95, 13842),

Gene: DonSanchon_14 Start: 12954, Stop: 13343, Start Num: 33
Candidate Starts for DonSanchon_14:

(Start: 33 @12954 has 335 MA's), (44, 13032), (47, 13047), (48, 13050), (61, 13113), (63, 13122), (65, 13131), (70, 13167), (77, 13203), (95, 13308),

Gene: Donny_16 Start: 14846, Stop: 15253, Start Num: 33
Candidate Starts for Donny_16:
(19, 14723), (Start: 30 @14831 has 2 MA's), (Start: 33 @14846 has 335 MA's), (47, 14951), (48, 14954), (51, 14963), (63, 15026), (70, 15071), (77, 15107), (84, 15149), (99, 15233),

Gene: DuchessDung_14 Start: 12806, Stop: 13195, Start Num: 33
Candidate Starts for DuchessDung_14:
(Start: 33 @12806 has 335 MA's), (44, 12884), (47, 12899), (48, 12902), (61, 12965), (63, 12974), (65, 12983), (70, 13019), (77, 13055), (95, 13160),

Gene: Duggie_14 Start: 12968, Stop: 13357, Start Num: 33
Candidate Starts for Duggie_14:
(Start: 33 @12968 has 335 MA's), (44, 13046), (47, 13061), (48, 13064), (61, 13127), (63, 13136), (65, 13145), (70, 13181), (77, 13217), (95, 13322),

Gene: Durga_15 Start: 13267, Stop: 13656, Start Num: 33
Candidate Starts for Durga_15:
(Start: 33 @13267 has 335 MA's), (44, 13345), (47, 13360), (48, 13363), (61, 13426), (63, 13435), (65, 13444), (70, 13480), (77, 13516), (95, 13621),

Gene: EastView9101_16 Start: 14852, Stop: 15256, Start Num: 33
Candidate Starts for EastView9101_16:
(Start: 33 @14852 has 335 MA's), (42, 14903), (47, 14957), (48, 14960), (63, 15032), (64, 15038), (70, 15077), (77, 15113), (84, 15155), (99, 15236),

Gene: ElvisPhasley_15 Start: 13266, Stop: 13655, Start Num: 33
Candidate Starts for ElvisPhasley_15:
(Start: 33 @13266 has 335 MA's), (44, 13344), (47, 13359), (48, 13362), (61, 13425), (63, 13434), (65, 13443), (70, 13479), (77, 13515), (95, 13620),

Gene: EmGer13_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for EmGer13_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Emiris_15 Start: 13248, Stop: 13637, Start Num: 33
Candidate Starts for Emiris_15:
(Start: 33 @13248 has 335 MA's), (44, 13326), (47, 13341), (48, 13344), (61, 13407), (63, 13416), (65, 13425), (70, 13461), (77, 13497), (95, 13602),

Gene: EmpTee_15 Start: 13254, Stop: 13643, Start Num: 33
Candidate Starts for EmpTee_15:
(Start: 33 @13254 has 335 MA's), (44, 13332), (47, 13347), (48, 13350), (61, 13413), (63, 13422), (65, 13431), (70, 13467), (77, 13503), (95, 13608),

Gene: Epah_14 Start: 13912, Stop: 14313, Start Num: 33
Candidate Starts for Epah_14:
(Start: 33 @13912 has 335 MA's), (48, 14014), (61, 14077), (63, 14086), (65, 14095), (70, 14131), (73, 14149), (75, 14158), (77, 14167), (82, 14188), (83, 14197), (98, 14290),

Gene: Eremos_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Eremos_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Etaye_15 Start: 13238, Stop: 13627, Start Num: 33
Candidate Starts for Etaye_15:
(Start: 33 @13238 has 335 MA's), (44, 13316), (47, 13331), (48, 13334), (61, 13397), (63, 13406), (65, 13415), (70, 13451), (77, 13487), (95, 13592),

Gene: Eugenia_15 Start: 13266, Stop: 13655, Start Num: 33
Candidate Starts for Eugenia_15:
(Start: 33 @13266 has 335 MA's), (44, 13344), (47, 13359), (48, 13362), (61, 13425), (63, 13434), (65, 13443), (70, 13479), (77, 13515), (95, 13620),

Gene: Evaa_15 Start: 14245, Stop: 14619, Start Num: 32
Candidate Starts for Evaa_15:
(Start: 32 @14245 has 1 MA's), (44, 14320), (Start: 46 @14332 has 2 MA's), (52, 14359), (68, 14431), (77, 14491), (79, 14497), (86, 14539), (89, 14548), (93, 14587),

Gene: Eviarto_22 Start: 21074, Stop: 21430, Start Num: 41
Candidate Starts for Eviarto_22:
(Start: 41 @21074 has 26 MA's), (Start: 46 @21134 has 2 MA's), (49, 21143), (64, 21218), (72, 21281), (75, 21293), (87, 21353),

Gene: Fanaw_15 Start: 15006, Stop: 15407, Start Num: 33
Candidate Starts for Fanaw_15:
(Start: 33 @15006 has 335 MA's), (48, 15108), (54, 15147), (61, 15171), (63, 15180), (70, 15225), (73, 15243), (77, 15261), (82, 15282), (83, 15291), (98, 15384),

Gene: Fang_15 Start: 13269, Stop: 13658, Start Num: 33
Candidate Starts for Fang_15:
(Start: 33 @13269 has 335 MA's), (44, 13347), (47, 13362), (48, 13365), (61, 13428), (63, 13437), (65, 13446), (70, 13482), (77, 13518), (95, 13623),

Gene: Flake_15 Start: 13270, Stop: 13659, Start Num: 33
Candidate Starts for Flake_15:
(Start: 33 @13270 has 335 MA's), (44, 13348), (47, 13363), (48, 13366), (61, 13429), (63, 13438), (65, 13447), (70, 13483), (77, 13519), (95, 13624),

Gene: FleetyMac_15 Start: 13251, Stop: 13640, Start Num: 33
Candidate Starts for FleetyMac_15:
(Start: 33 @13251 has 335 MA's), (44, 13329), (47, 13344), (48, 13347), (61, 13410), (63, 13419), (65, 13428), (70, 13464), (77, 13500), (95, 13605),

Gene: FluffyNinja_15 Start: 13257, Stop: 13646, Start Num: 33
Candidate Starts for FluffyNinja_15:
(Start: 33 @13257 has 335 MA's), (44, 13335), (47, 13350), (48, 13353), (61, 13416), (63, 13425), (65, 13434), (70, 13470), (77, 13506), (95, 13611),

Gene: Fortunato_15 Start: 14970, Stop: 15371, Start Num: 33
Candidate Starts for Fortunato_15:

(Start: 33 @14970 has 335 MA's), (Start: 46 @15066 has 2 MA's), (48, 15072), (54, 15111), (61, 15135), (63, 15144), (70, 15189), (71, 15195), (73, 15207), (75, 15216), (77, 15225), (82, 15246), (83, 15255), (98, 15348),

Gene: Fozzie_14 Start: 13263, Stop: 13652, Start Num: 33
Candidate Starts for Fozzie_14:
(Start: 33 @13263 has 335 MA's), (44, 13341), (47, 13356), (48, 13359), (61, 13422), (63, 13431), (65, 13440), (70, 13476), (77, 13512), (95, 13617),

Gene: Frankicide_15 Start: 13255, Stop: 13644, Start Num: 33
Candidate Starts for Frankicide_15:
(Start: 33 @13255 has 335 MA's), (44, 13333), (47, 13348), (48, 13351), (61, 13414), (63, 13423), (65, 13432), (70, 13468), (77, 13504), (95, 13609),

Gene: Frederick_15 Start: 14979, Stop: 15380, Start Num: 33
Candidate Starts for Frederick_15:
(Start: 33 @14979 has 335 MA's), (Start: 46 @15075 has 2 MA's), (48, 15081), (54, 15120), (61, 15144), (63, 15153), (70, 15198), (71, 15204), (73, 15216), (75, 15225), (77, 15234), (82, 15255), (83, 15264), (98, 15357),

Gene: FremontTroll_14 Start: 12952, Stop: 13341, Start Num: 33
Candidate Starts for FremontTroll_14:
(Start: 33 @12952 has 335 MA's), (44, 13030), (47, 13045), (48, 13048), (61, 13111), (63, 13120), (65, 13129), (70, 13165), (77, 13201), (95, 13306),

Gene: Freya_14 Start: 12949, Stop: 13338, Start Num: 33
Candidate Starts for Freya_14:
(Start: 33 @12949 has 335 MA's), (44, 13027), (47, 13042), (48, 13045), (61, 13108), (63, 13117), (65, 13126), (70, 13162), (77, 13198), (95, 13303),

Gene: FriarPreacher_15 Start: 13274, Stop: 13663, Start Num: 33
Candidate Starts for FriarPreacher_15:
(Start: 33 @13274 has 335 MA's), (44, 13352), (47, 13367), (48, 13370), (61, 13433), (63, 13442), (65, 13451), (70, 13487), (77, 13523), (95, 13628),

Gene: Frickyeah_23 Start: 19960, Stop: 20334, Start Num: 41
Candidate Starts for Frickyeah_23:
(Start: 40 @19954 has 17 MA's), (Start: 41 @19960 has 26 MA's), (45, 20017), (Start: 46 @20020 has 2 MA's), (49, 20029), (64, 20104), (67, 20125), (72, 20167), (73, 20170), (92, 20269),

Gene: Fringe_15 Start: 13236, Stop: 13625, Start Num: 33
Candidate Starts for Fringe_15:
(Start: 33 @13236 has 335 MA's), (44, 13314), (47, 13329), (48, 13332), (61, 13395), (63, 13404), (65, 13413), (70, 13449), (77, 13485), (95, 13590),

Gene: FugateOSU_14 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for FugateOSU_14:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: Gareth_14 Start: 12957, Stop: 13346, Start Num: 33
Candidate Starts for Gareth_14:

(Start: 33 @12957 has 335 MA's), (44, 13035), (47, 13050), (48, 13053), (61, 13116), (63, 13125), (65, 13134), (70, 13170), (77, 13206), (95, 13311),

Gene: GeneCoco_15 Start: 13259, Stop: 13648, Start Num: 33
Candidate Starts for GeneCoco_15:
(Start: 33 @13259 has 335 MA's), (44, 13337), (47, 13352), (48, 13355), (61, 13418), (63, 13427), (65, 13436), (70, 13472), (77, 13508), (95, 13613),

Gene: Getalong_25 Start: 20997, Stop: 21371, Start Num: 41
Candidate Starts for Getalong_25:
(Start: 40 @20991 has 17 MA's), (Start: 41 @20997 has 26 MA's), (45, 21054), (Start: 46 @21057 has 2 MA's), (58, 21114), (67, 21162), (72, 21204), (73, 21207), (92, 21306),

Gene: GinPorsche_14 Start: 13912, Stop: 14313, Start Num: 33
Candidate Starts for GinPorsche_14:
(Start: 33 @13912 has 335 MA's), (48, 14014), (61, 14077), (63, 14086), (65, 14095), (70, 14131), (73, 14149), (75, 14158), (77, 14167), (82, 14188), (83, 14197), (98, 14290),

Gene: Giraffe_15 Start: 12961, Stop: 13350, Start Num: 33
Candidate Starts for Giraffe_15:
(Start: 33 @12961 has 335 MA's), (44, 13039), (47, 13054), (48, 13057), (61, 13120), (63, 13129), (65, 13138), (70, 13174), (77, 13210), (95, 13315),

Gene: Gophee_15 Start: 13238, Stop: 13627, Start Num: 33
Candidate Starts for Gophee_15:
(Start: 33 @13238 has 335 MA's), (44, 13316), (47, 13331), (48, 13334), (61, 13397), (63, 13406), (65, 13415), (70, 13451), (77, 13487), (95, 13592),

Gene: Grand2040_14 Start: 12976, Stop: 13365, Start Num: 33
Candidate Starts for Grand2040_14:
(Start: 33 @12976 has 335 MA's), (44, 13054), (47, 13069), (48, 13072), (61, 13135), (63, 13144), (65, 13153), (70, 13189), (77, 13225), (95, 13330),

Gene: GreenChile_15 Start: 13255, Stop: 13644, Start Num: 33
Candidate Starts for GreenChile_15:
(Start: 33 @13255 has 335 MA's), (44, 13333), (47, 13348), (48, 13351), (61, 13414), (63, 13423), (65, 13432), (70, 13468), (77, 13504), (95, 13609),

Gene: Gwennie1_15 Start: 13277, Stop: 13666, Start Num: 33
Candidate Starts for Gwennie1_15:
(Start: 33 @13277 has 335 MA's), (44, 13355), (47, 13370), (48, 13373), (61, 13436), (63, 13445), (65, 13454), (70, 13490), (77, 13526), (95, 13631),

Gene: Gwilliam_15 Start: 13250, Stop: 13639, Start Num: 33
Candidate Starts for Gwilliam_15:
(Start: 33 @13250 has 335 MA's), (44, 13328), (47, 13343), (48, 13346), (61, 13409), (63, 13418), (65, 13427), (70, 13463), (77, 13499), (95, 13604),

Gene: Gyarad_0015 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Gyarad_0015:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: HSavage_15 Start: 13261, Stop: 13650, Start Num: 33
Candidate Starts for HSavage_15:
(Start: 33 @13261 has 335 MA's), (44, 13339), (47, 13354), (48, 13357), (61, 13420), (63, 13429), (65, 13438), (70, 13474), (77, 13510), (95, 13615),

Gene: Haimas_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Haimas_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Haleema_14 Start: 12978, Stop: 13367, Start Num: 33
Candidate Starts for Haleema_14:
(Start: 33 @12978 has 335 MA's), (44, 13056), (47, 13071), (48, 13074), (61, 13137), (63, 13146), (65, 13155), (70, 13191), (77, 13227), (95, 13332),

Gene: Hally898_14 Start: 13912, Stop: 14313, Start Num: 33
Candidate Starts for Hally898_14:
(Start: 33 @13912 has 335 MA's), (48, 14014), (61, 14077), (62, 14083), (63, 14086), (65, 14095), (70, 14131), (73, 14149), (75, 14158), (77, 14167), (82, 14188), (83, 14197), (98, 14290),

Gene: Hamish_15 Start: 13247, Stop: 13636, Start Num: 33
Candidate Starts for Hamish_15:
(Start: 33 @13247 has 335 MA's), (44, 13325), (47, 13340), (48, 13343), (61, 13406), (63, 13415), (65, 13424), (70, 13460), (77, 13496), (95, 13601),

Gene: Hangman_15 Start: 14979, Stop: 15380, Start Num: 33
Candidate Starts for Hangman_15:
(Start: 33 @14979 has 335 MA's), (48, 15081), (54, 15120), (61, 15144), (63, 15153), (70, 15198), (73, 15216), (77, 15234), (82, 15255), (83, 15264), (98, 15357),

Gene: Happabalu_15 Start: 12947, Stop: 13336, Start Num: 33
Candidate Starts for Happabalu_15:
(Start: 33 @12947 has 335 MA's), (44, 13025), (47, 13040), (48, 13043), (61, 13106), (63, 13115), (65, 13124), (70, 13160), (77, 13196), (95, 13301),

Gene: Hartsy_15 Start: 13250, Stop: 13639, Start Num: 33
Candidate Starts for Hartsy_15:
(Start: 33 @13250 has 335 MA's), (44, 13328), (47, 13343), (48, 13346), (61, 13409), (63, 13418), (65, 13427), (70, 13463), (77, 13499), (95, 13604),

Gene: Harvey_15 Start: 13275, Stop: 13664, Start Num: 33
Candidate Starts for Harvey_15:
(Start: 33 @13275 has 335 MA's), (44, 13353), (47, 13368), (48, 13371), (61, 13434), (63, 13443), (65, 13452), (70, 13488), (77, 13524), (95, 13629),

Gene: HarveySr_17 Start: 14663, Stop: 14977, Start Num: 46
Candidate Starts for HarveySr_17:
(20, 14438), (31, 14543), (39, 14597), (Start: 46 @14663 has 2 MA's), (84, 14864), (85, 14867),

Gene: Heath_15 Start: 14976, Stop: 15377, Start Num: 33
Candidate Starts for Heath_15:
(Start: 33 @14976 has 335 MA's), (48, 15078), (54, 15117), (61, 15141), (63, 15150), (70, 15195), (71, 15201), (77, 15231), (82, 15252), (83, 15261), (98, 15354),

Gene: Hekos_14 Start: 12977, Stop: 13366, Start Num: 33
Candidate Starts for Hekos_14:
(Start: 33 @12977 has 335 MA's), (44, 13055), (47, 13070), (48, 13073), (61, 13136), (63, 13145), (65, 13154), (70, 13190), (77, 13226), (95, 13331),

Gene: Held_15 Start: 12961, Stop: 13350, Start Num: 33
Candidate Starts for Held_15:
(Start: 33 @12961 has 335 MA's), (44, 13039), (47, 13054), (48, 13057), (61, 13120), (63, 13129), (65, 13138), (70, 13174), (77, 13210), (95, 13315),

Gene: HenryJackson_14 Start: 12975, Stop: 13364, Start Num: 33
Candidate Starts for HenryJackson_14:
(Start: 33 @12975 has 335 MA's), (44, 13053), (47, 13068), (48, 13071), (61, 13134), (63, 13143), (65, 13152), (70, 13188), (77, 13224), (95, 13329),

Gene: Herod_22 Start: 21074, Stop: 21430, Start Num: 41
Candidate Starts for Herod_22:
(Start: 41 @21074 has 26 MA's), (Start: 46 @21134 has 2 MA's), (49, 21143), (64, 21218), (72, 21281), (75, 21293), (87, 21353),

Gene: Hertubise_15 Start: 13268, Stop: 13657, Start Num: 33
Candidate Starts for Hertubise_15:
(Start: 33 @13268 has 335 MA's), (44, 13346), (47, 13361), (48, 13364), (61, 13427), (63, 13436), (65, 13445), (70, 13481), (77, 13517), (95, 13622),

Gene: Hetaeria_15 Start: 13271, Stop: 13660, Start Num: 33
Candidate Starts for Hetaeria_15:
(Start: 33 @13271 has 335 MA's), (44, 13349), (47, 13364), (48, 13367), (61, 13430), (63, 13439), (65, 13448), (70, 13484), (77, 13520), (95, 13625),

Gene: HighStump_14 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for HighStump_14:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: Hocus_14 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for Hocus_14:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: HogWash_14 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for HogWash_14:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: Holliday_24 Start: 20296, Stop: 20676, Start Num: 40
Candidate Starts for Holliday_24:
(3, 19807), (6, 19918), (7, 19936), (Start: 40 @20296 has 17 MA's), (Start: 41 @20302 has 26 MA's), (45, 20359), (Start: 46 @20362 has 2 MA's), (49, 20371), (64, 20446), (72, 20509), (73, 20512), (75, 20521), (87, 20581), (88, 20584),

Gene: Horchata_15 Start: 13240, Stop: 13629, Start Num: 33

Candidate Starts for Horchata_15:
(Start: 33 @13240 has 335 MA's), (44, 13318), (47, 13333), (48, 13336), (61, 13399), (63, 13408), (65, 13417), (70, 13453), (77, 13489), (95, 13594),

Gene: Horus_24 Start: 20213, Stop: 20593, Start Num: 40
Candidate Starts for Horus_24:
(Start: 40 @20213 has 17 MA's), (Start: 41 @20219 has 26 MA's), (45, 20276), (Start: 46 @20279 has 2 MA's), (64, 20363), (67, 20384), (72, 20426), (73, 20429), (92, 20528),

Gene: Hugley_22 Start: 21074, Stop: 21430, Start Num: 41
Candidate Starts for Hugley_22:
(Start: 41 @21074 has 26 MA's), (Start: 46 @21134 has 2 MA's), (49, 21143), (64, 21218), (72, 21281), (75, 21293), (87, 21353),

Gene: Hydro_15 Start: 14976, Stop: 15377, Start Num: 33
Candidate Starts for Hydro_15:
(Start: 33 @14976 has 335 MA's), (48, 15078), (54, 15117), (61, 15141), (63, 15150), (70, 15195), (73, 15213), (77, 15231), (82, 15252), (83, 15261), (98, 15354),

Gene: ImtiyazSitla_14 Start: 12800, Stop: 13189, Start Num: 33
Candidate Starts for ImtiyazSitla_14:
(Start: 33 @12800 has 335 MA's), (44, 12878), (47, 12893), (48, 12896), (61, 12959), (63, 12968), (65, 12977), (70, 13013), (77, 13049), (95, 13154),

Gene: Inchworm_15 Start: 13244, Stop: 13633, Start Num: 33
Candidate Starts for Inchworm_15:
(Start: 33 @13244 has 335 MA's), (44, 13322), (47, 13337), (48, 13340), (61, 13403), (63, 13412), (65, 13421), (70, 13457), (77, 13493), (95, 13598),

Gene: Inverness_15 Start: 13261, Stop: 13650, Start Num: 33
Candidate Starts for Inverness_15:
(Start: 33 @13261 has 335 MA's), (44, 13339), (47, 13354), (48, 13357), (61, 13420), (63, 13429), (65, 13438), (70, 13474), (77, 13510), (95, 13615),

Gene: Iridessa_15 Start: 12929, Stop: 13318, Start Num: 33
Candidate Starts for Iridessa_15:
(Start: 33 @12929 has 335 MA's), (44, 13007), (47, 13022), (48, 13025), (61, 13088), (63, 13097), (65, 13106), (70, 13142), (77, 13178), (95, 13283),

Gene: Iridoclysis_15 Start: 13233, Stop: 13622, Start Num: 33
Candidate Starts for Iridoclysis_15:
(Start: 33 @13233 has 335 MA's), (44, 13311), (47, 13326), (48, 13329), (61, 13392), (63, 13401), (65, 13410), (70, 13446), (77, 13482), (95, 13587),

Gene: IsaacEli_15 Start: 13265, Stop: 13654, Start Num: 33
Candidate Starts for IsaacEli_15:
(Start: 33 @13265 has 335 MA's), (44, 13343), (47, 13358), (48, 13361), (61, 13424), (63, 13433), (65, 13442), (70, 13478), (77, 13514), (95, 13619),

Gene: JAMaL_15 Start: 15160, Stop: 15561, Start Num: 33
Candidate Starts for JAMaL_15:
(Start: 33 @15160 has 335 MA's), (48, 15262), (61, 15325), (70, 15379), (73, 15397), (75, 15406), (77, 15415), (81, 15433), (83, 15445),

Gene: JDog_14 Start: 12968, Stop: 13357, Start Num: 33
Candidate Starts for JDog_14:
(Start: 33 @12968 has 335 MA's), (44, 13046), (47, 13061), (48, 13064), (61, 13127), (63, 13136), (65, 13145), (70, 13181), (77, 13217), (95, 13322),

Gene: JacAttac_15 Start: 13244, Stop: 13633, Start Num: 33
Candidate Starts for JacAttac_15:
(Start: 33 @13244 has 335 MA's), (44, 13322), (47, 13337), (48, 13340), (61, 13403), (63, 13412), (65, 13421), (70, 13457), (77, 13493), (95, 13598),

Gene: JaguarMi_16 Start: 14806, Stop: 15207, Start Num: 33
Candidate Starts for JaguarMi_16:
(Start: 33 @14806 has 335 MA's), (48, 14908), (54, 14947), (61, 14971), (63, 14980), (70, 15025), (73, 15043), (75, 15052), (77, 15061), (82, 15082), (83, 15091), (98, 15184),

Gene: JakeO_14 Start: 12968, Stop: 13357, Start Num: 33
Candidate Starts for JakeO_14:
(Start: 33 @12968 has 335 MA's), (44, 13046), (47, 13061), (48, 13064), (61, 13127), (63, 13136), (65, 13145), (70, 13181), (77, 13217), (95, 13322),

Gene: JangoPhett_15 Start: 13245, Stop: 13634, Start Num: 33
Candidate Starts for JangoPhett_15:
(Start: 33 @13245 has 335 MA's), (44, 13323), (47, 13338), (48, 13341), (61, 13404), (63, 13413), (65, 13422), (70, 13458), (77, 13494), (95, 13599),

Gene: Jbug01_15 Start: 12832, Stop: 13221, Start Num: 33
Candidate Starts for Jbug01_15:
(Start: 33 @12832 has 335 MA's), (44, 12910), (47, 12925), (48, 12928), (61, 12991), (63, 13000), (65, 13009), (70, 13045), (77, 13081), (95, 13186),

Gene: Jesabah_15 Start: 12973, Stop: 13362, Start Num: 33
Candidate Starts for Jesabah_15:
(Start: 33 @12973 has 335 MA's), (44, 13051), (47, 13066), (48, 13069), (61, 13132), (63, 13141), (65, 13150), (70, 13186), (77, 13222), (95, 13327),

Gene: Jillium_14 Start: 12966, Stop: 13355, Start Num: 33
Candidate Starts for Jillium_14:
(Start: 33 @12966 has 335 MA's), (44, 13044), (47, 13059), (48, 13062), (61, 13125), (63, 13134), (65, 13143), (70, 13179), (77, 13215), (95, 13320),

Gene: Jiminy_14 Start: 12808, Stop: 13197, Start Num: 33
Candidate Starts for Jiminy_14:
(Start: 33 @12808 has 335 MA's), (44, 12886), (47, 12901), (48, 12904), (61, 12967), (63, 12976), (65, 12985), (70, 13021), (77, 13057), (95, 13162),

Gene: Jiraiya_14 Start: 12968, Stop: 13357, Start Num: 33
Candidate Starts for Jiraiya_14:
(Start: 33 @12968 has 335 MA's), (44, 13046), (47, 13061), (48, 13064), (61, 13127), (63, 13136), (65, 13145), (70, 13181), (77, 13217), (95, 13322),

Gene: JoyceMaria_15 Start: 14979, Stop: 15380, Start Num: 33
Candidate Starts for JoyceMaria_15:

(Start: 33 @14979 has 335 MA's), (48, 15081), (54, 15120), (61, 15144), (63, 15153), (70, 15198), (73, 15216), (75, 15225), (77, 15234), (82, 15255), (83, 15264), (98, 15357),

Gene: Juicebox_24 Start: 22590, Stop: 22964, Start Num: 38
Candidate Starts for Juicebox_24:
(Start: 38 @22590 has 10 MA's), (50, 22671), (51, 22674), (59, 22722), (64, 22743), (69, 22776), (79, 22824), (97, 22938),

Gene: KLucky39_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for KLucky39_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Kahve_14 Start: 12975, Stop: 13364, Start Num: 33
Candidate Starts for Kahve_14:
(Start: 33 @12975 has 335 MA's), (44, 13053), (47, 13068), (48, 13071), (61, 13134), (63, 13143), (65, 13152), (70, 13188), (77, 13224), (95, 13329),

Gene: Kailash_15 Start: 13262, Stop: 13651, Start Num: 33
Candidate Starts for Kailash_15:
(Start: 33 @13262 has 335 MA's), (44, 13340), (47, 13355), (48, 13358), (61, 13421), (63, 13430), (65, 13439), (70, 13475), (77, 13511), (95, 13616),

Gene: Kamaru_24 Start: 20302, Stop: 20676, Start Num: 41
Candidate Starts for Kamaru_24:
(3, 19807), (6, 19918), (7, 19936), (Start: 40 @20296 has 17 MA's), (Start: 41 @20302 has 26 MA's), (45, 20359), (Start: 46 @20362 has 2 MA's), (49, 20371), (64, 20446), (72, 20509), (73, 20512), (75, 20521), (87, 20581), (88, 20584),

Gene: KarasumaRum_17 Start: 15081, Stop: 15383, Start Num: 47
Candidate Starts for KarasumaRum_17:
(19, 14862), (Start: 30 @14970 has 2 MA's), (Start: 33 @14985 has 335 MA's), (47, 15081), (48, 15084), (63, 15156), (70, 15201), (77, 15237), (79, 15243), (84, 15279), (99, 15363),

Gene: Karn_14 Start: 12968, Stop: 13357, Start Num: 33
Candidate Starts for Karn_14:
(Start: 33 @12968 has 335 MA's), (44, 13046), (47, 13061), (48, 13064), (61, 13127), (63, 13136), (65, 13145), (70, 13181), (77, 13217), (95, 13322),

Gene: Katniss_15 Start: 13272, Stop: 13661, Start Num: 33
Candidate Starts for Katniss_15:
(Start: 33 @13272 has 335 MA's), (44, 13350), (47, 13365), (48, 13368), (61, 13431), (63, 13440), (65, 13449), (70, 13485), (77, 13521), (95, 13626),

Gene: Keitherie_15 Start: 13273, Stop: 13662, Start Num: 33
Candidate Starts for Keitherie_15:
(Start: 33 @13273 has 335 MA's), (44, 13351), (47, 13366), (48, 13369), (61, 13432), (63, 13441), (65, 13450), (70, 13486), (77, 13522), (95, 13627),

Gene: Kenna_23 Start: 20192, Stop: 20569, Start Num: 40
Candidate Starts for Kenna_23:
(Start: 40 @20192 has 17 MA's), (Start: 41 @20198 has 26 MA's), (45, 20255), (Start: 46 @20258 has 2 MA's), (49, 20267), (64, 20342), (67, 20363), (72, 20405), (73, 20408), (75, 20417), (87, 20477), (88,

20480),

Gene: Khan1_14 Start: 12968, Stop: 13357, Start Num: 33
Candidate Starts for Khan1_14:
(Start: 33 @12968 has 335 MA's), (44, 13046), (47, 13061), (48, 13064), (61, 13127), (63, 13136), (65, 13145), (70, 13181), (77, 13217), (95, 13322),

Gene: Kikipoo_15 Start: 13265, Stop: 13654, Start Num: 33
Candidate Starts for Kikipoo_15:
(Start: 33 @13265 has 335 MA's), (44, 13343), (47, 13358), (48, 13361), (61, 13424), (63, 13433), (65, 13442), (70, 13478), (77, 13514), (95, 13619),

Gene: Kiko_24 Start: 20229, Stop: 20624, Start Num: 37
Candidate Starts for Kiko_24:
(1, 19326), (2, 19548), (4, 19797), (5, 19827), (23, 20112), (Start: 37 @20229 has 1 MA's), (Start: 41 @20247 has 26 MA's), (49, 20316), (52, 20334), (53, 20346), (58, 20364), (64, 20391), (72, 20454), (73, 20457), (87, 20526),

Gene: Kimbrough_15 Start: 12963, Stop: 13352, Start Num: 33
Candidate Starts for Kimbrough_15:
(Start: 33 @12963 has 335 MA's), (44, 13041), (47, 13056), (48, 13059), (61, 13122), (63, 13131), (65, 13140), (70, 13176), (77, 13212), (95, 13317),

Gene: KingTut_14 Start: 12955, Stop: 13344, Start Num: 33
Candidate Starts for KingTut_14:
(Start: 33 @12955 has 335 MA's), (44, 13033), (47, 13048), (48, 13051), (61, 13114), (63, 13123), (65, 13132), (70, 13168), (77, 13204), (95, 13309),

Gene: KingVeVeVe_15 Start: 13242, Stop: 13631, Start Num: 33
Candidate Starts for KingVeVeVe_15:
(Start: 33 @13242 has 335 MA's), (44, 13320), (47, 13335), (48, 13338), (61, 13401), (63, 13410), (65, 13419), (70, 13455), (77, 13491), (95, 13596),

Gene: Kiwot_14 Start: 12814, Stop: 13203, Start Num: 33
Candidate Starts for Kiwot_14:
(Start: 33 @12814 has 335 MA's), (44, 12892), (47, 12907), (48, 12910), (61, 12973), (63, 12982), (65, 12991), (70, 13027), (77, 13063), (95, 13168),

Gene: KlimbOn_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for KlimbOn_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Kloppinator_15 Start: 13269, Stop: 13658, Start Num: 33
Candidate Starts for Kloppinator_15:
(Start: 33 @13269 has 335 MA's), (44, 13347), (47, 13362), (48, 13365), (61, 13428), (63, 13437), (65, 13446), (70, 13482), (77, 13518), (95, 13623),

Gene: Kuwabara_23 Start: 19624, Stop: 19995, Start Num: 41
Candidate Starts for Kuwabara_23:
(Start: 40 @19618 has 17 MA's), (Start: 41 @19624 has 26 MA's), (45, 19681), (Start: 46 @19684 has 2 MA's), (64, 19768), (67, 19789), (72, 19831), (73, 19834), (75, 19843), (87, 19903), (88, 19906),

Gene: Kwadwo_14 Start: 12954, Stop: 13343, Start Num: 33
Candidate Starts for Kwadwo_14:
(Start: 33 @12954 has 335 MA's), (44, 13032), (47, 13047), (48, 13050), (61, 13113), (63, 13122), (65, 13131), (70, 13167), (77, 13203), (95, 13308),

Gene: Kwksand96_14 Start: 12818, Stop: 13207, Start Num: 33
Candidate Starts for Kwksand96_14:
(Start: 33 @12818 has 335 MA's), (44, 12896), (47, 12911), (48, 12914), (61, 12977), (63, 12986), (65, 12995), (70, 13031), (77, 13067), (95, 13172),

Gene: Labeouficaum_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for Labeouficaum_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Lambano_14 Start: 13912, Stop: 14313, Start Num: 33
Candidate Starts for Lambano_14:
(Start: 33 @13912 has 335 MA's), (48, 14014), (61, 14077), (63, 14086), (65, 14095), (70, 14131), (73, 14149), (75, 14158), (77, 14167), (82, 14188), (83, 14197), (98, 14290),

Gene: Larson_16 Start: 13270, Stop: 13659, Start Num: 33
Candidate Starts for Larson_16:
(Start: 33 @13270 has 335 MA's), (44, 13348), (47, 13363), (48, 13366), (61, 13429), (63, 13438), (65, 13447), (70, 13483), (77, 13519), (95, 13624),

Gene: LasagnaCat_15 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for LasagnaCat_15:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: Lasso_15 Start: 13232, Stop: 13621, Start Num: 33
Candidate Starts for Lasso_15:
(Start: 33 @13232 has 335 MA's), (44, 13310), (47, 13325), (48, 13328), (61, 13391), (63, 13400), (65, 13409), (70, 13445), (77, 13481), (95, 13586),

Gene: Lederberg_22 Start: 21495, Stop: 21860, Start Num: 38
Candidate Starts for Lederberg_22:
(11, 21255), (18, 21339), (28, 21426), (Start: 38 @21495 has 10 MA's), (51, 21579), (56, 21618), (57, 21621), (70, 21687),

Gene: LeeLot_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for LeeLot_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Lego3393_15 Start: 13269, Stop: 13658, Start Num: 33
Candidate Starts for Lego3393_15:
(Start: 33 @13269 has 335 MA's), (44, 13347), (47, 13362), (48, 13365), (61, 13428), (63, 13437), (65, 13446), (70, 13482), (77, 13518), (95, 13623),

Gene: Legolas_14 Start: 12970, Stop: 13359, Start Num: 33
Candidate Starts for Legolas_14:

(Start: 33 @12970 has 335 MA's), (44, 13048), (47, 13063), (48, 13066), (61, 13129), (63, 13138), (65, 13147), (70, 13183), (77, 13219), (95, 13324),

Gene: Lehmann_15 Start: 12797, Stop: 13186, Start Num: 33
Candidate Starts for Lehmann_15:
(Start: 33 @12797 has 335 MA's), (44, 12875), (47, 12890), (48, 12893), (61, 12956), (63, 12965), (65, 12974), (70, 13010), (77, 13046), (95, 13151),

Gene: LeiMonet_15 Start: 12962, Stop: 13351, Start Num: 33
Candidate Starts for LeiMonet_15:
(Start: 33 @12962 has 335 MA's), (44, 13040), (47, 13055), (48, 13058), (61, 13121), (63, 13130), (65, 13139), (70, 13175), (77, 13211), (95, 13316),

Gene: LemonSlice_15 Start: 12964, Stop: 13353, Start Num: 33
Candidate Starts for LemonSlice_15:
(Start: 33 @12964 has 335 MA's), (44, 13042), (47, 13057), (48, 13060), (61, 13123), (63, 13132), (65, 13141), (70, 13177), (77, 13213), (95, 13318),

Gene: Leroy_24 Start: 20214, Stop: 20594, Start Num: 40
Candidate Starts for Leroy_24:
(Start: 40 @20214 has 17 MA's), (Start: 41 @20220 has 26 MA's), (45, 20277), (Start: 46 @20280 has 2 MA's), (64, 20364), (67, 20385), (72, 20427), (73, 20430), (92, 20529),

Gene: LitninMcQueen_23 Start: 19948, Stop: 20325, Start Num: 40
Candidate Starts for LitninMcQueen_23:
(Start: 40 @19948 has 17 MA's), (Start: 41 @19954 has 26 MA's), (45, 20011), (Start: 46 @20014 has 2 MA's), (64, 20098), (67, 20119), (72, 20161), (73, 20164), (92, 20263),

Gene: LittleDigger_14 Start: 13919, Stop: 14320, Start Num: 33
Candidate Starts for LittleDigger_14:
(Start: 33 @13919 has 335 MA's), (48, 14021), (61, 14084), (63, 14093), (65, 14102), (70, 14138), (73, 14156), (75, 14165), (77, 14174), (82, 14195), (83, 14204), (98, 14297),

Gene: Lolalove_15 Start: 14976, Stop: 15377, Start Num: 33
Candidate Starts for Lolalove_15:
(Start: 33 @14976 has 335 MA's), (48, 15078), (54, 15117), (61, 15141), (63, 15150), (70, 15195), (73, 15213), (75, 15222), (77, 15231), (82, 15252), (83, 15261), (98, 15354),

Gene: LonelyBoi_23 Start: 20872, Stop: 21258, Start Num: 40
Candidate Starts for LonelyBoi_23:
(Start: 40 @20872 has 17 MA's), (Start: 41 @20878 has 26 MA's), (Start: 46 @20938 has 2 MA's), (64, 21022), (80, 21118), (87, 21157), (100, 21232),

Gene: Longacauda_14 Start: 12956, Stop: 13345, Start Num: 33
Candidate Starts for Longacauda_14:
(Start: 33 @12956 has 335 MA's), (44, 13034), (47, 13049), (48, 13052), (61, 13115), (63, 13124), (65, 13133), (70, 13169), (77, 13205), (95, 13310),

Gene: Lopsy_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for Lopsy_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: LostAndPhound_14 Start: 12966, Stop: 13355, Start Num: 33
Candidate Starts for LostAndPhound_14:
(Start: 33 @12966 has 335 MA's), (44, 13044), (47, 13059), (48, 13062), (61, 13125), (63, 13134), (65, 13143), (70, 13179), (77, 13215), (95, 13320),

Gene: LuckyMarjie_14 Start: 12978, Stop: 13367, Start Num: 33
Candidate Starts for LuckyMarjie_14:
(Start: 33 @12978 has 335 MA's), (44, 13056), (47, 13071), (48, 13074), (61, 13137), (63, 13146), (65, 13155), (70, 13191), (77, 13227), (95, 13332),

Gene: Lulumae_14 Start: 12955, Stop: 13344, Start Num: 33
Candidate Starts for Lulumae_14:
(Start: 33 @12955 has 335 MA's), (44, 13033), (47, 13048), (48, 13051), (61, 13114), (63, 13123), (65, 13132), (70, 13168), (77, 13204), (95, 13309),

Gene: Lulwa_15 Start: 13244, Stop: 13633, Start Num: 33
Candidate Starts for Lulwa_15:
(Start: 33 @13244 has 335 MA's), (44, 13322), (47, 13337), (48, 13340), (61, 13403), (63, 13412), (65, 13421), (70, 13457), (77, 13493), (95, 13598),

Gene: Lumine_14 Start: 12948, Stop: 13337, Start Num: 33
Candidate Starts for Lumine_14:
(Start: 33 @12948 has 335 MA's), (44, 13026), (47, 13041), (48, 13044), (61, 13107), (63, 13116), (65, 13125), (70, 13161), (77, 13197), (95, 13302),

Gene: Lutum_24 Start: 20192, Stop: 20569, Start Num: 40
Candidate Starts for Lutum_24:
(Start: 40 @20192 has 17 MA's), (Start: 41 @20198 has 26 MA's), (45, 20255), (Start: 46 @20258 has 2 MA's), (49, 20267), (64, 20342), (67, 20363), (72, 20405), (73, 20408), (75, 20417), (87, 20477), (88, 20480),

Gene: MRabcd_14 Start: 12957, Stop: 13346, Start Num: 33
Candidate Starts for MRabcd_14:
(Start: 33 @12957 has 335 MA's), (44, 13035), (47, 13050), (48, 13053), (61, 13116), (63, 13125), (65, 13134), (70, 13170), (77, 13206), (95, 13311),

Gene: Madavieve_22 Start: 21354, Stop: 21710, Start Num: 41
Candidate Starts for Madavieve_22:
(Start: 41 @21354 has 26 MA's), (Start: 46 @21414 has 2 MA's), (49, 21423), (64, 21498), (72, 21561), (75, 21573), (87, 21633),

Gene: Madeline_22 Start: 21372, Stop: 21728, Start Num: 41
Candidate Starts for Madeline_22:
(9, 21066), (14, 21159), (16, 21174), (27, 21270), (Start: 41 @21372 has 26 MA's), (Start: 46 @21432 has 2 MA's), (49, 21441), (64, 21516), (72, 21579), (75, 21591), (87, 21651),

Gene: Mag7_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for Mag7_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Magic8_15 Start: 13250, Stop: 13639, Start Num: 33
Candidate Starts for Magic8_15:

(Start: 33 @13250 has 335 MA's), (44, 13328), (47, 13343), (48, 13346), (61, 13409), (63, 13418), (65, 13427), (70, 13463), (77, 13499), (95, 13604),

Gene: Magpie_15 Start: 15161, Stop: 15562, Start Num: 33
Candidate Starts for Magpie_15:
(Start: 33 @15161 has 335 MA's), (48, 15263), (54, 15302), (61, 15326), (63, 15335), (73, 15398), (77, 15416), (82, 15437), (83, 15446), (98, 15539),

Gene: Malibo_24 Start: 20256, Stop: 20633, Start Num: 41
Candidate Starts for Malibo_24:
(Start: 41 @20256 has 26 MA's), (Start: 46 @20316 has 2 MA's), (49, 20325), (64, 20400), (75, 20475), (87, 20535),

Gene: Malisha_25 Start: 22077, Stop: 22454, Start Num: 40
Candidate Starts for Malisha_25:
(3, 21588), (6, 21699), (7, 21717), (Start: 40 @22077 has 17 MA's), (Start: 41 @22083 has 26 MA's), (45, 22140), (49, 22152), (64, 22227), (72, 22290), (73, 22293), (79, 22317), (87, 22362), (88, 22365),

Gene: Mana_14 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for Mana_14:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: Manad_14 Start: 12810, Stop: 13199, Start Num: 33
Candidate Starts for Manad_14:
(Start: 33 @12810 has 335 MA's), (44, 12888), (47, 12903), (48, 12906), (61, 12969), (63, 12978), (65, 12987), (70, 13023), (77, 13059), (95, 13164),

Gene: Marlia_17 Start: 14672, Stop: 14986, Start Num: 46
Candidate Starts for Marlia_17:
(20, 14447), (31, 14552), (39, 14606), (Start: 46 @14672 has 2 MA's), (84, 14873), (85, 14876),

Gene: Maru_14 Start: 12958, Stop: 13347, Start Num: 33
Candidate Starts for Maru_14:
(Start: 33 @12958 has 335 MA's), (44, 13036), (47, 13051), (48, 13054), (61, 13117), (63, 13126), (65, 13135), (70, 13171), (77, 13207), (95, 13312),

Gene: Maskar_14 Start: 12800, Stop: 13189, Start Num: 33
Candidate Starts for Maskar_14:
(Start: 33 @12800 has 335 MA's), (44, 12878), (47, 12893), (48, 12896), (61, 12959), (63, 12968), (65, 12977), (70, 13013), (77, 13049), (95, 13154),

Gene: Matalotodo_15 Start: 13248, Stop: 13637, Start Num: 33
Candidate Starts for Matalotodo_15:
(Start: 33 @13248 has 335 MA's), (44, 13326), (47, 13341), (48, 13344), (61, 13407), (63, 13416), (65, 13425), (70, 13461), (77, 13497), (95, 13602),

Gene: Mcshane_14 Start: 12954, Stop: 13343, Start Num: 33
Candidate Starts for Mcshane_14:
(Start: 33 @12954 has 335 MA's), (44, 13032), (47, 13047), (48, 13050), (61, 13113), (63, 13122), (65, 13131), (70, 13167), (77, 13203), (95, 13308),

Gene: Mecca_14 Start: 12951, Stop: 13340, Start Num: 33

Candidate Starts for Mecca_14:
(Start: 33 @12951 has 335 MA's), (44, 13029), (47, 13044), (48, 13047), (61, 13110), (63, 13119), (65, 13128), (70, 13164), (77, 13200), (95, 13305),

Gene: Megamind20_15 Start: 12973, Stop: 13362, Start Num: 33
Candidate Starts for Megamind20_15:
(Start: 33 @12973 has 335 MA's), (44, 13051), (47, 13066), (48, 13069), (61, 13132), (63, 13141), (65, 13150), (70, 13186), (77, 13222), (95, 13327),

Gene: Megatron_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Megatron_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Melc17_15 Start: 13244, Stop: 13633, Start Num: 33
Candidate Starts for Melc17_15:
(Start: 33 @13244 has 335 MA's), (44, 13322), (47, 13337), (48, 13340), (61, 13403), (63, 13412), (65, 13421), (70, 13457), (77, 13493), (95, 13598),

Gene: MelsMeow_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for MelsMeow_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Mesh1_15 Start: 13262, Stop: 13651, Start Num: 33
Candidate Starts for Mesh1_15:
(Start: 33 @13262 has 335 MA's), (44, 13340), (47, 13355), (48, 13358), (61, 13421), (63, 13430), (65, 13439), (70, 13475), (77, 13511), (95, 13616),

Gene: Mesmerelda_14 Start: 12954, Stop: 13343, Start Num: 33
Candidate Starts for Mesmerelda_14:
(Start: 33 @12954 has 335 MA's), (44, 13032), (47, 13047), (48, 13050), (61, 13113), (63, 13122), (65, 13131), (70, 13167), (77, 13203), (95, 13308),

Gene: MichaelPhcott_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for MichaelPhcott_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Mikota_15 Start: 13239, Stop: 13628, Start Num: 33
Candidate Starts for Mikota_15:
(Start: 33 @13239 has 335 MA's), (44, 13317), (47, 13332), (48, 13335), (61, 13398), (63, 13407), (65, 13416), (70, 13452), (77, 13488), (95, 13593),

Gene: MiniBoss_15 Start: 13241, Stop: 13630, Start Num: 33
Candidate Starts for MiniBoss_15:
(Start: 33 @13241 has 335 MA's), (44, 13319), (47, 13334), (48, 13337), (61, 13400), (63, 13409), (65, 13418), (70, 13454), (77, 13490), (95, 13595),

Gene: MitKao_15 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for MitKao_15:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: Mithril_15 Start: 14979, Stop: 15380, Start Num: 33
Candidate Starts for Mithril_15:
(Start: 33 @14979 has 335 MA's), (48, 15081), (54, 15120), (61, 15144), (63, 15153), (70, 15198), (73, 15216), (75, 15225), (77, 15234), (82, 15255), (83, 15264), (98, 15357),

Gene: Morgushi_15 Start: 12964, Stop: 13353, Start Num: 33
Candidate Starts for Morgushi_15:
(Start: 33 @12964 has 335 MA's), (44, 13042), (47, 13057), (48, 13060), (61, 13123), (63, 13132), (65, 13141), (70, 13177), (77, 13213), (95, 13318),

Gene: Morty_15 Start: 13262, Stop: 13651, Start Num: 33
Candidate Starts for Morty_15:
(Start: 33 @13262 has 335 MA's), (44, 13340), (47, 13355), (48, 13358), (61, 13421), (63, 13430), (65, 13439), (70, 13475), (77, 13511), (95, 13616),

Gene: MortyNRick_23 Start: 19924, Stop: 20301, Start Num: 40
Candidate Starts for MortyNRick_23:
(Start: 40 @19924 has 17 MA's), (Start: 41 @19930 has 26 MA's), (45, 19987), (Start: 46 @19990 has 2 MA's), (64, 20074), (67, 20095), (72, 20137), (73, 20140), (75, 20149), (87, 20209), (88, 20212),

Gene: Mosaic_14 Start: 12967, Stop: 13356, Start Num: 33
Candidate Starts for Mosaic_14:
(Start: 33 @12967 has 335 MA's), (44, 13045), (47, 13060), (48, 13063), (61, 13126), (63, 13135), (65, 13144), (70, 13180), (77, 13216), (95, 13321),

Gene: MrPhizzler_15 Start: 12965, Stop: 13354, Start Num: 33
Candidate Starts for MrPhizzler_15:
(Start: 33 @12965 has 335 MA's), (44, 13043), (47, 13058), (48, 13061), (61, 13124), (63, 13133), (65, 13142), (70, 13178), (77, 13214), (95, 13319),

Gene: Mudslide_15 Start: 15224, Stop: 15625, Start Num: 33
Candidate Starts for Mudslide_15:
(Start: 33 @15224 has 335 MA's), (Start: 46 @15320 has 2 MA's), (48, 15326), (54, 15365), (61, 15389), (63, 15398), (70, 15443), (71, 15449), (73, 15461), (75, 15470), (77, 15479), (82, 15500), (83, 15509), (98, 15602),

Gene: Mulan_14 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for Mulan_14:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: Murdoc_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Murdoc_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Mutante_14 Start: 12963, Stop: 13352, Start Num: 33
Candidate Starts for Mutante_14:
(Start: 33 @12963 has 335 MA's), (44, 13041), (47, 13056), (48, 13059), (61, 13122), (63, 13131), (65, 13140), (70, 13176), (77, 13212), (95, 13317),

Gene: Mysterious_16 Start: 15072, Stop: 15494, Start Num: 30

Candidate Starts for Mysterious_16:
(19, 14964), (Start: 30 @15072 has 2 MA's), (Start: 33 @15087 has 335 MA's), (47, 15192), (48, 15195), (55, 15240), (63, 15267), (70, 15312), (77, 15348), (84, 15390), (99, 15474),

Gene: Nacho_0015 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Nacho_0015:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Nanao_14 Start: 13912, Stop: 14313, Start Num: 33
Candidate Starts for Nanao_14:
(Start: 33 @13912 has 335 MA's), (48, 14014), (61, 14077), (63, 14086), (65, 14095), (70, 14131), (73, 14149), (75, 14158), (77, 14167), (82, 14188), (83, 14197), (98, 14290),

Gene: Nangang_16 Start: 14928, Stop: 15227, Start Num: 48
Candidate Starts for Nangang_16:
(19, 14706), (Start: 30 @14814 has 2 MA's), (Start: 33 @14829 has 335 MA's), (47, 14925), (48, 14928), (63, 15000), (70, 15045), (77, 15081), (84, 15123), (99, 15207),

Gene: Nathan_15 Start: 13263, Stop: 13652, Start Num: 33
Candidate Starts for Nathan_15:
(Start: 33 @13263 has 335 MA's), (44, 13341), (47, 13356), (48, 13359), (61, 13422), (63, 13431), (65, 13440), (70, 13476), (77, 13512), (95, 13617),

Gene: Nehemiah_15 Start: 15087, Stop: 15494, Start Num: 33
Candidate Starts for Nehemiah_15:
(19, 14964), (Start: 30 @15072 has 2 MA's), (Start: 33 @15087 has 335 MA's), (47, 15192), (48, 15195), (55, 15240), (63, 15267), (70, 15312), (77, 15348), (84, 15390), (99, 15474),

Gene: Nehme_14 Start: 12956, Stop: 13345, Start Num: 33
Candidate Starts for Nehme_14:
(Start: 33 @12956 has 335 MA's), (44, 13034), (47, 13049), (48, 13052), (61, 13115), (63, 13124), (65, 13133), (70, 13169), (77, 13205), (95, 13310),

Gene: Newman_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Newman_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: NiaNia_15 Start: 12978, Stop: 13367, Start Num: 33
Candidate Starts for NiaNia_15:
(Start: 33 @12978 has 335 MA's), (44, 13056), (47, 13071), (48, 13074), (61, 13137), (63, 13146), (65, 13155), (70, 13191), (77, 13227), (95, 13332),

Gene: Nicole21_15 Start: 13245, Stop: 13634, Start Num: 33
Candidate Starts for Nicole21_15:
(Start: 33 @13245 has 335 MA's), (44, 13323), (47, 13338), (48, 13341), (61, 13404), (63, 13413), (65, 13422), (70, 13458), (77, 13494), (95, 13599),

Gene: Nigel_13 Start: 13828, Stop: 14229, Start Num: 33
Candidate Starts for Nigel_13:
(Start: 33 @13828 has 335 MA's), (48, 13930), (61, 13993), (70, 14047), (73, 14065), (75, 14074), (77, 14083), (81, 14101), (83, 14113),

Gene: Nova1_14 Start: 12826, Stop: 13215, Start Num: 33
Candidate Starts for Nova1_14:
(Start: 33 @12826 has 335 MA's), (44, 12904), (47, 12919), (48, 12922), (61, 12985), (63, 12994), (65, 13003), (70, 13039), (77, 13075), (95, 13180),

Gene: Numberten_15 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for Numberten_15:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: Nyala_14 Start: 12955, Stop: 13344, Start Num: 33
Candidate Starts for Nyala_14:
(Start: 33 @12955 has 335 MA's), (44, 13033), (47, 13048), (48, 13051), (61, 13114), (63, 13123), (65, 13132), (70, 13168), (77, 13204), (95, 13309),

Gene: Nymphadora_22 Start: 21074, Stop: 21430, Start Num: 41
Candidate Starts for Nymphadora_22:
(Start: 41 @21074 has 26 MA's), (Start: 46 @21134 has 2 MA's), (49, 21143), (64, 21218), (72, 21281), (75, 21293), (87, 21353),

Gene: OSmaximus_15 Start: 13263, Stop: 13652, Start Num: 33
Candidate Starts for OSmaximus_15:
(Start: 33 @13263 has 335 MA's), (44, 13341), (47, 13356), (48, 13359), (61, 13422), (63, 13431), (65, 13440), (70, 13476), (77, 13512), (95, 13617),

Gene: Ohgeesy_22 Start: 20697, Stop: 21053, Start Num: 41
Candidate Starts for Ohgeesy_22:
(Start: 41 @20697 has 26 MA's), (Start: 46 @20757 has 2 MA's), (49, 20766), (64, 20841), (72, 20904), (75, 20916), (87, 20976),

Gene: Olak_14 Start: 12952, Stop: 13341, Start Num: 33
Candidate Starts for Olak_14:
(Start: 33 @12952 has 335 MA's), (44, 13030), (47, 13045), (48, 13048), (61, 13111), (63, 13120), (65, 13129), (70, 13165), (77, 13201), (95, 13306),

Gene: Oline_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for Oline_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Olive_15 Start: 13244, Stop: 13633, Start Num: 33
Candidate Starts for Olive_15:
(Start: 33 @13244 has 335 MA's), (44, 13322), (47, 13337), (48, 13340), (61, 13403), (63, 13412), (65, 13421), (70, 13457), (77, 13493), (95, 13598),

Gene: OliverWalter_15 Start: 13261, Stop: 13650, Start Num: 33
Candidate Starts for OliverWalter_15:
(Start: 33 @13261 has 335 MA's), (44, 13339), (47, 13354), (48, 13357), (61, 13420), (63, 13429), (65, 13438), (70, 13474), (77, 13510), (95, 13615),

Gene: Olivio_16 Start: 14535, Stop: 14849, Start Num: 46
Candidate Starts for Olivio_16:

(20, 14310), (31, 14415), (39, 14469), (Start: 46 @14535 has 2 MA's), (84, 14736), (85, 14739),

Gene: Omniscient_15 Start: 13262, Stop: 13651, Start Num: 33
Candidate Starts for Omniscient_15:
(Start: 33 @13262 has 335 MA's), (44, 13340), (47, 13355), (48, 13358), (61, 13421), (63, 13430), (65, 13439), (70, 13475), (77, 13511), (95, 13616),

Gene: OneBrain_15 Start: 12956, Stop: 13345, Start Num: 33
Candidate Starts for OneBrain_15:
(Start: 33 @12956 has 335 MA's), (44, 13034), (47, 13049), (48, 13052), (61, 13115), (63, 13124), (65, 13133), (70, 13169), (77, 13205), (95, 13310),

Gene: Oosterbaan_15 Start: 13254, Stop: 13643, Start Num: 33
Candidate Starts for Oosterbaan_15:
(Start: 33 @13254 has 335 MA's), (44, 13332), (47, 13347), (48, 13350), (61, 13413), (63, 13422), (65, 13431), (70, 13467), (77, 13503), (95, 13608),

Gene: Orfeu_14 Start: 12953, Stop: 13342, Start Num: 33
Candidate Starts for Orfeu_14:
(Start: 33 @12953 has 335 MA's), (44, 13031), (47, 13046), (48, 13049), (61, 13112), (63, 13121), (65, 13130), (70, 13166), (77, 13202), (95, 13307),

Gene: Orion_15 Start: 13254, Stop: 13643, Start Num: 33
Candidate Starts for Orion_15:
(Start: 33 @13254 has 335 MA's), (44, 13332), (47, 13347), (48, 13350), (61, 13413), (63, 13422), (65, 13431), (70, 13467), (77, 13503), (95, 13608),

Gene: Orwigg_14 Start: 12946, Stop: 13335, Start Num: 33
Candidate Starts for Orwigg_14:
(Start: 33 @12946 has 335 MA's), (44, 13024), (47, 13039), (48, 13042), (61, 13105), (63, 13114), (65, 13123), (70, 13159), (77, 13195), (95, 13300),

Gene: PG1_15 Start: 13266, Stop: 13655, Start Num: 33
Candidate Starts for PG1_15:
(Start: 33 @13266 has 335 MA's), (44, 13344), (47, 13359), (48, 13362), (61, 13425), (63, 13434), (65, 13443), (70, 13479), (77, 13515), (95, 13620),

Gene: Pacifista_14 Start: 12957, Stop: 13346, Start Num: 33
Candidate Starts for Pacifista_14:
(Start: 33 @12957 has 335 MA's), (44, 13035), (47, 13050), (48, 13053), (61, 13116), (63, 13125), (65, 13134), (70, 13170), (77, 13206), (95, 13311),

Gene: PallasAthena_14 Start: 12961, Stop: 13350, Start Num: 33
Candidate Starts for PallasAthena_14:
(Start: 33 @12961 has 335 MA's), (44, 13039), (47, 13054), (48, 13057), (61, 13120), (63, 13129), (65, 13138), (70, 13174), (77, 13210), (95, 13315),

Gene: Periwinkle_26 Start: 20664, Stop: 21038, Start Num: 41
Candidate Starts for Periwinkle_26:
(Start: 40 @20658 has 17 MA's), (Start: 41 @20664 has 26 MA's), (45, 20721), (Start: 46 @20724 has 2 MA's), (49, 20733), (64, 20808), (67, 20829), (72, 20871), (73, 20874), (92, 20973),

Gene: Phabuloso_23 Start: 19948, Stop: 20325, Start Num: 40

Candidate Starts for Phabuloso_23:
(Start: 40 @19948 has 17 MA's), (Start: 41 @19954 has 26 MA's), (45, 20011), (Start: 46 @20014 has 2 MA's), (64, 20098), (67, 20119), (72, 20161), (73, 20164), (75, 20173), (87, 20233), (88, 20236),

Gene: Phaedrus_16 Start: 14604, Stop: 14918, Start Num: 46
Candidate Starts for Phaedrus_16:
(20, 14379), (31, 14484), (39, 14538), (Start: 46 @14604 has 2 MA's), (84, 14805), (85, 14808),

Gene: Phamished_15 Start: 13259, Stop: 13648, Start Num: 33
Candidate Starts for Phamished_15:
(Start: 33 @13259 has 335 MA's), (44, 13337), (47, 13352), (48, 13355), (61, 13418), (63, 13427), (65, 13436), (70, 13472), (77, 13508), (95, 13613),

Gene: Phareon_15 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for Phareon_15:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: PhatCats2014_15 Start: 13269, Stop: 13658, Start Num: 33
Candidate Starts for PhatCats2014_15:
(Start: 33 @13269 has 335 MA's), (44, 13347), (47, 13362), (48, 13365), (61, 13428), (63, 13437), (65, 13446), (70, 13482), (77, 13518), (95, 13623),

Gene: PhatLouie_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for PhatLouie_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Phelemich_16 Start: 15091, Stop: 15498, Start Num: 33
Candidate Starts for Phelemich_16:
(19, 14968), (Start: 30 @15076 has 2 MA's), (Start: 33 @15091 has 335 MA's), (47, 15196), (48, 15199), (55, 15244), (63, 15271), (70, 15316), (77, 15352), (84, 15394), (99, 15478),

Gene: PhenghisKhan_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for PhenghisKhan_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Pherdinand_15 Start: 13257, Stop: 13646, Start Num: 33
Candidate Starts for Pherdinand_15:
(Start: 33 @13257 has 335 MA's), (44, 13335), (47, 13350), (48, 13353), (61, 13416), (63, 13425), (65, 13434), (70, 13470), (77, 13506), (95, 13611),

Gene: Phergie_14 Start: 12806, Stop: 13195, Start Num: 33
Candidate Starts for Phergie_14:
(Start: 33 @12806 has 335 MA's), (44, 12884), (47, 12899), (48, 12902), (61, 12965), (63, 12974), (65, 12983), (70, 13019), (77, 13055), (95, 13160),

Gene: Phipps_15 Start: 13232, Stop: 13621, Start Num: 33
Candidate Starts for Phipps_15:
(Start: 33 @13232 has 335 MA's), (44, 13310), (47, 13325), (48, 13328), (61, 13391), (63, 13400), (65, 13409), (70, 13445), (77, 13481), (95, 13586),

Gene: Phistory_25 Start: 20985, Stop: 21359, Start Num: 41
Candidate Starts for Phistory_25:
(Start: 40 @20979 has 17 MA's), (Start: 41 @20985 has 26 MA's), (45, 21042), (Start: 46 @21045 has 2 MA's), (64, 21129), (67, 21150), (72, 21192), (73, 21195), (92, 21294),

Gene: Phleuron_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for Phleuron_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: PhrankReynolds_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for PhrankReynolds_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: PhrodoBaggins_14 Start: 13247, Stop: 13636, Start Num: 33
Candidate Starts for PhrodoBaggins_14:
(Start: 33 @13247 has 335 MA's), (44, 13325), (47, 13340), (48, 13343), (61, 13406), (63, 13415), (65, 13424), (70, 13460), (77, 13496), (95, 13601),

Gene: Phunky_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Phunky_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Piglet_0014 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for Piglet_0014:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: PinheadLarry_15 Start: 12972, Stop: 13361, Start Num: 33
Candidate Starts for PinheadLarry_15:
(Start: 33 @12972 has 335 MA's), (44, 13050), (47, 13065), (48, 13068), (61, 13131), (63, 13140), (65, 13149), (70, 13185), (77, 13221), (95, 13326),

Gene: Pinkman_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for Pinkman_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: Pipsqueak_15 Start: 13259, Stop: 13648, Start Num: 33
Candidate Starts for Pipsqueak_15:
(Start: 33 @13259 has 335 MA's), (44, 13337), (47, 13352), (48, 13355), (61, 13418), (63, 13427), (65, 13436), (70, 13472), (77, 13508), (95, 13613),

Gene: Placalicious_14 Start: 12954, Stop: 13343, Start Num: 33
Candidate Starts for Placalicious_14:
(Start: 33 @12954 has 335 MA's), (44, 13032), (47, 13047), (48, 13050), (61, 13113), (63, 13122), (65, 13131), (70, 13167), (77, 13203), (95, 13308),

Gene: Plata_14 Start: 12968, Stop: 13357, Start Num: 33
Candidate Starts for Plata_14:

(Start: 33 @12968 has 335 MA's), (44, 13046), (47, 13061), (48, 13064), (61, 13127), (63, 13136), (65, 13145), (70, 13181), (77, 13217), (95, 13322),

Gene: Plmatters_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Plmatters_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Podrick_15 Start: 13244, Stop: 13633, Start Num: 33
Candidate Starts for Podrick_15:
(Start: 33 @13244 has 335 MA's), (44, 13322), (47, 13337), (48, 13340), (61, 13403), (63, 13412), (65, 13421), (70, 13457), (77, 13493), (95, 13598),

Gene: Polly_21 Start: 20514, Stop: 20870, Start Num: 41
Candidate Starts for Polly_21:
(21, 20373), (22, 20379), (29, 20448), (Start: 41 @20514 has 26 MA's), (Start: 46 @20574 has 2 MA's), (49, 20583), (66, 20673), (72, 20721), (73, 20724), (75, 20733), (87, 20793),

Gene: Pops_15 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for Pops_15:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: Poster_14 Start: 13912, Stop: 14313, Start Num: 33
Candidate Starts for Poster_14:
(Start: 33 @13912 has 335 MA's), (48, 14014), (61, 14077), (63, 14086), (65, 14095), (70, 14131), (73, 14149), (75, 14158), (77, 14167), (82, 14188), (83, 14197), (98, 14290),

Gene: Potter_14 Start: 12967, Stop: 13356, Start Num: 33
Candidate Starts for Potter_14:
(Start: 33 @12967 has 335 MA's), (44, 13045), (47, 13060), (48, 13063), (61, 13126), (63, 13135), (65, 13144), (70, 13180), (77, 13216), (95, 13321),

Gene: Prickles_15 Start: 13247, Stop: 13636, Start Num: 33
Candidate Starts for Prickles_15:
(Start: 33 @13247 has 335 MA's), (44, 13325), (47, 13340), (48, 13343), (61, 13406), (63, 13415), (65, 13424), (70, 13460), (77, 13496), (95, 13601),

Gene: Prince_15 Start: 15136, Stop: 15537, Start Num: 33
Candidate Starts for Prince_15:
(Start: 33 @15136 has 335 MA's), (Start: 46 @15232 has 2 MA's), (48, 15238), (54, 15277), (61, 15301), (63, 15310), (70, 15355), (71, 15361), (73, 15373), (75, 15382), (77, 15391), (82, 15412), (83, 15421), (98, 15514),

Gene: ProfessorX_15 Start: 13245, Stop: 13634, Start Num: 33
Candidate Starts for ProfessorX_15:
(Start: 33 @13245 has 335 MA's), (44, 13323), (47, 13338), (48, 13341), (61, 13404), (63, 13413), (65, 13422), (70, 13458), (77, 13494), (95, 13599),

Gene: Puhltonio_15 Start: 13262, Stop: 13651, Start Num: 33
Candidate Starts for Puhltonio_15:
(Start: 33 @13262 has 335 MA's), (44, 13340), (47, 13355), (48, 13358), (61, 13421), (63, 13430), (65, 13439), (70, 13475), (77, 13511), (95, 13616),

Gene: QueenBeane_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for QueenBeane_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: QueenPie_15 Start: 15510, Stop: 15911, Start Num: 33
Candidate Starts for QueenPie_15:
(Start: 33 @15510 has 335 MA's), (48, 15612), (61, 15675), (63, 15684), (65, 15693), (70, 15729), (73, 15747), (75, 15756), (77, 15765), (81, 15783), (82, 15786), (83, 15795), (89, 15822), (98, 15888),

Gene: Quisquiliae_15 Start: 13268, Stop: 13657, Start Num: 33
Candidate Starts for Quisquiliae_15:
(Start: 33 @13268 has 335 MA's), (44, 13346), (47, 13361), (48, 13364), (61, 13427), (63, 13436), (65, 13445), (70, 13481), (77, 13517), (95, 13622),

Gene: RawrgerThat_15 Start: 14973, Stop: 15374, Start Num: 33
Candidate Starts for RawrgerThat_15:
(Start: 33 @14973 has 335 MA's), (48, 15075), (61, 15138), (63, 15147), (70, 15192), (71, 15198), (73, 15210), (77, 15228), (82, 15249), (83, 15258), (98, 15351),

Gene: Reccee_16 Start: 15025, Stop: 15432, Start Num: 33
Candidate Starts for Reccee_16:
(19, 14902), (Start: 30 @15010 has 2 MA's), (Start: 33 @15025 has 335 MA's), (47, 15130), (48, 15133), (51, 15142), (63, 15205), (70, 15250), (77, 15286), (84, 15328), (99, 15412),

Gene: RedMaple_14 Start: 13265, Stop: 13654, Start Num: 33
Candidate Starts for RedMaple_14:
(Start: 33 @13265 has 335 MA's), (44, 13343), (47, 13358), (48, 13361), (61, 13424), (63, 13433), (65, 13442), (70, 13478), (77, 13514), (95, 13619),

Gene: RedRaider89_16 Start: 13485, Stop: 13874, Start Num: 33
Candidate Starts for RedRaider89_16:
(Start: 33 @13485 has 335 MA's), (44, 13563), (47, 13578), (48, 13581), (61, 13644), (63, 13653), (65, 13662), (70, 13698), (77, 13734), (95, 13839),

Gene: Renkei_14 Start: 13919, Stop: 14320, Start Num: 33
Candidate Starts for Renkei_14:
(Start: 33 @13919 has 335 MA's), (48, 14021), (61, 14084), (63, 14093), (65, 14102), (70, 14138), (73, 14156), (75, 14165), (77, 14174), (82, 14195), (83, 14204), (98, 14297),

Gene: Reprobate_16 Start: 15088, Stop: 15495, Start Num: 33
Candidate Starts for Reprobate_16:
(19, 14965), (Start: 30 @15073 has 2 MA's), (Start: 33 @15088 has 335 MA's), (47, 15193), (48, 15196), (55, 15241), (63, 15268), (70, 15313), (77, 15349), (84, 15391), (99, 15475),

Gene: Reynauld_35 Start: 36999, Stop: 37397, Start Num: 35
Candidate Starts for Reynauld_35:
(Start: 35 @36999 has 1 MA's), (Start: 38 @37005 has 10 MA's), (49, 37083), (60, 37140), (71, 37203), (74, 37221), (90, 37299), (91, 37308), (102, 37389),

Gene: Rich_16 Start: 14987, Stop: 15394, Start Num: 33
Candidate Starts for Rich_16:

(10, 14729), (Start: 33 @14987 has 335 MA's), (47, 15092), (48, 15095), (63, 15167), (64, 15173), (70, 15212), (77, 15248), (84, 15290), (99, 15374),

Gene: Ricotta_14 Start: 12977, Stop: 13366, Start Num: 33
Candidate Starts for Ricotta_14:
(Start: 33 @12977 has 335 MA's), (44, 13055), (47, 13070), (48, 13073), (61, 13136), (63, 13145), (65, 13154), (70, 13190), (77, 13226), (95, 13331),

Gene: Riggan_15 Start: 13233, Stop: 13622, Start Num: 33
Candidate Starts for Riggan_15:
(Start: 33 @13233 has 335 MA's), (44, 13311), (47, 13326), (48, 13329), (61, 13392), (63, 13401), (65, 13410), (70, 13446), (77, 13482), (95, 13587),

Gene: Rimu_15 Start: 12965, Stop: 13354, Start Num: 33
Candidate Starts for Rimu_15:
(Start: 33 @12965 has 335 MA's), (44, 13043), (47, 13058), (48, 13061), (61, 13124), (63, 13133), (65, 13142), (70, 13178), (77, 13214), (95, 13319),

Gene: Rita130_16 Start: 14845, Stop: 15252, Start Num: 33
Candidate Starts for Rita130_16:
(19, 14722), (Start: 30 @14830 has 2 MA's), (Start: 33 @14845 has 335 MA's), (47, 14950), (48, 14953), (51, 14962), (63, 15025), (70, 15070), (77, 15106), (84, 15148), (99, 15232),

Gene: Riverton_15 Start: 13259, Stop: 13648, Start Num: 33
Candidate Starts for Riverton_15:
(Start: 33 @13259 has 335 MA's), (44, 13337), (47, 13352), (48, 13355), (61, 13418), (63, 13427), (65, 13436), (70, 13472), (77, 13508), (95, 13613),

Gene: Robyn_14 Start: 12826, Stop: 13215, Start Num: 33
Candidate Starts for Robyn_14:
(Start: 33 @12826 has 335 MA's), (44, 12904), (47, 12919), (48, 12922), (61, 12985), (63, 12994), (65, 13003), (70, 13039), (77, 13075), (95, 13180),

Gene: Roliet_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Roliet_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Roscoe_16 Start: 13494, Stop: 13883, Start Num: 33
Candidate Starts for Roscoe_16:
(Start: 33 @13494 has 335 MA's), (44, 13572), (47, 13587), (48, 13590), (61, 13653), (63, 13662), (65, 13671), (70, 13707), (77, 13743), (79, 13749), (95, 13848),

Gene: Roy17_15 Start: 12955, Stop: 13344, Start Num: 33
Candidate Starts for Roy17_15:
(Start: 33 @12955 has 335 MA's), (44, 13033), (47, 13048), (48, 13051), (61, 13114), (63, 13123), (65, 13132), (70, 13168), (77, 13204), (95, 13309),

Gene: SDcharge11_15 Start: 13234, Stop: 13623, Start Num: 33
Candidate Starts for SDcharge11_15:
(Start: 33 @13234 has 335 MA's), (44, 13312), (47, 13327), (48, 13330), (61, 13393), (63, 13402), (65, 13411), (70, 13447), (77, 13483), (95, 13588),

Gene: Salazzle_14 Start: 12826, Stop: 13215, Start Num: 33
Candidate Starts for Salazzle_14:
(Start: 33 @12826 has 335 MA's), (44, 12904), (47, 12919), (48, 12922), (61, 12985), (63, 12994), (65, 13003), (70, 13039), (77, 13075), (95, 13180),

Gene: SallyH_15 Start: 13263, Stop: 13652, Start Num: 33
Candidate Starts for SallyH_15:
(Start: 33 @13263 has 335 MA's), (44, 13341), (47, 13356), (48, 13359), (61, 13422), (63, 13431), (65, 13440), (70, 13476), (77, 13512), (95, 13617),

Gene: SamW_22 Start: 21107, Stop: 21475, Start Num: 38
Candidate Starts for SamW_22:
(12, 20891), (Start: 38 @21107 has 10 MA's), (51, 21191), (56, 21230), (63, 21254), (68, 21275), (76, 21332),

Gene: Samaymay_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Samaymay_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: SassyCat97_14 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for SassyCat97_14:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (79, 13215), (95, 13314),

Gene: Schadenfreude_14 Start: 12810, Stop: 13199, Start Num: 33
Candidate Starts for Schadenfreude_14:
(Start: 33 @12810 has 335 MA's), (44, 12888), (47, 12903), (48, 12906), (61, 12969), (63, 12978), (65, 12987), (70, 13023), (77, 13059), (95, 13164),

Gene: Schueller_14 Start: 12951, Stop: 13340, Start Num: 33
Candidate Starts for Schueller_14:
(Start: 33 @12951 has 335 MA's), (44, 13029), (47, 13044), (48, 13047), (61, 13110), (63, 13119), (65, 13128), (70, 13164), (77, 13200), (95, 13305),

Gene: Scoot17C_15 Start: 13254, Stop: 13643, Start Num: 33
Candidate Starts for Scoot17C_15:
(Start: 33 @13254 has 335 MA's), (44, 13332), (47, 13347), (48, 13350), (61, 13413), (63, 13422), (65, 13431), (70, 13467), (77, 13503), (95, 13608),

Gene: Scrick_14 Start: 12973, Stop: 13362, Start Num: 33
Candidate Starts for Scrick_14:
(Start: 33 @12973 has 335 MA's), (44, 13051), (47, 13066), (48, 13069), (61, 13132), (63, 13141), (65, 13150), (70, 13186), (77, 13222), (95, 13327),

Gene: Selr12_15 Start: 12978, Stop: 13367, Start Num: 33
Candidate Starts for Selr12_15:
(Start: 33 @12978 has 335 MA's), (44, 13056), (47, 13071), (48, 13074), (61, 13137), (63, 13146), (65, 13155), (70, 13191), (77, 13227), (95, 13332),

Gene: Septica_14 Start: 13264, Stop: 13653, Start Num: 33
Candidate Starts for Septica_14:

(Start: 33 @13264 has 335 MA's), (44, 13342), (47, 13357), (48, 13360), (61, 13423), (63, 13432), (65, 13441), (70, 13477), (77, 13513), (95, 13618),

Gene: Serendipitous_16 Start: 15034, Stop: 15441, Start Num: 33
Candidate Starts for Serendipitous_16:
(Start: 30 @15019 has 2 MA's), (Start: 33 @15034 has 335 MA's), (36, 15058), (42, 15085), (47, 15139), (48, 15142), (63, 15214), (64, 15220), (70, 15259), (77, 15295), (84, 15337), (99, 15421),

Gene: Serendipity_15 Start: 13274, Stop: 13663, Start Num: 33
Candidate Starts for Serendipity_15:
(Start: 33 @13274 has 335 MA's), (44, 13352), (47, 13367), (48, 13370), (61, 13433), (63, 13442), (65, 13451), (70, 13487), (77, 13523), (95, 13628),

Gene: Serpentine_0015 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for Serpentine_0015:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: ShadowBud_15 Start: 13268, Stop: 13657, Start Num: 33
Candidate Starts for ShadowBud_15:
(Start: 33 @13268 has 335 MA's), (44, 13346), (47, 13361), (48, 13364), (61, 13427), (63, 13436), (65, 13445), (70, 13481), (77, 13517), (95, 13622),

Gene: ShawBrad_24 Start: 20207, Stop: 20581, Start Num: 41
Candidate Starts for ShawBrad_24:
(Start: 40 @20201 has 17 MA's), (Start: 41 @20207 has 26 MA's), (45, 20264), (Start: 46 @20267 has 2 MA's), (49, 20276), (64, 20351), (67, 20372), (72, 20414), (73, 20417), (92, 20516),

Gene: Sheila_15 Start: 13245, Stop: 13634, Start Num: 33
Candidate Starts for Sheila_15:
(Start: 33 @13245 has 335 MA's), (44, 13323), (47, 13338), (48, 13341), (61, 13404), (63, 13413), (65, 13422), (70, 13458), (77, 13494), (95, 13599),

Gene: Shenyu_16 Start: 14829, Stop: 15227, Start Num: 33
Candidate Starts for Shenyu_16:
(19, 14706), (Start: 30 @14814 has 2 MA's), (Start: 33 @14829 has 335 MA's), (47, 14925), (48, 14928), (63, 15000), (70, 15045), (77, 15081), (84, 15123), (99, 15207),

Gene: ShiVal_15 Start: 13247, Stop: 13636, Start Num: 33
Candidate Starts for ShiVal_15:
(Start: 33 @13247 has 335 MA's), (44, 13325), (47, 13340), (48, 13343), (61, 13406), (63, 13415), (65, 13424), (70, 13460), (77, 13496), (95, 13601),

Gene: Sidious_22 Start: 20529, Stop: 20909, Start Num: 41
Candidate Starts for Sidious_22:
(Start: 41 @20529 has 26 MA's), (49, 20598), (64, 20673), (87, 20808), (89, 20814), (100, 20883),

Gene: Sigman_15 Start: 13244, Stop: 13633, Start Num: 33
Candidate Starts for Sigman_15:
(Start: 33 @13244 has 335 MA's), (44, 13322), (47, 13337), (48, 13340), (61, 13403), (63, 13412), (65, 13421), (70, 13457), (77, 13493), (95, 13598),

Gene: SilverBell_15 Start: 13259, Stop: 13648, Start Num: 33

Candidate Starts for SilverBell_15:
(Start: 33 @13259 has 335 MA's), (44, 13337), (47, 13352), (48, 13355), (61, 13418), (63, 13427), (65, 13436), (70, 13472), (77, 13508), (95, 13613),

Gene: Simielle_14 Start: 12945, Stop: 13334, Start Num: 33
Candidate Starts for Simielle_14:
(Start: 33 @12945 has 335 MA's), (44, 13023), (47, 13038), (48, 13041), (61, 13104), (63, 13113), (65, 13122), (70, 13158), (77, 13194), (95, 13299),

Gene: SirBeauregard_14 Start: 12920, Stop: 13309, Start Num: 33
Candidate Starts for SirBeauregard_14:
(Start: 33 @12920 has 335 MA's), (44, 12998), (47, 13013), (48, 13016), (61, 13079), (63, 13088), (65, 13097), (70, 13133), (77, 13169), (95, 13274),

Gene: SirJeffery_16 Start: 14846, Stop: 15253, Start Num: 33
Candidate Starts for SirJeffery_16:
(19, 14723), (Start: 30 @14831 has 2 MA's), (Start: 33 @14846 has 335 MA's), (47, 14951), (48, 14954), (51, 14963), (63, 15026), (70, 15071), (77, 15107), (84, 15149), (99, 15233),

Gene: Skippy_15 Start: 13238, Stop: 13627, Start Num: 33
Candidate Starts for Skippy_15:
(Start: 33 @13238 has 335 MA's), (44, 13316), (47, 13331), (48, 13334), (61, 13397), (63, 13406), (65, 13415), (70, 13451), (77, 13487), (95, 13592),

Gene: Slatt_15 Start: 13270, Stop: 13659, Start Num: 33
Candidate Starts for Slatt_15:
(Start: 33 @13270 has 335 MA's), (44, 13348), (47, 13363), (48, 13366), (61, 13429), (63, 13438), (65, 13447), (70, 13483), (77, 13519), (95, 13624),

Gene: SlippinJimmy_17 Start: 15451, Stop: 15765, Start Num: 46
Candidate Starts for SlippinJimmy_17:
(20, 15226), (31, 15331), (39, 15385), (Start: 46 @15451 has 2 MA's), (84, 15652), (85, 15655),

Gene: Soile_15 Start: 12965, Stop: 13354, Start Num: 33
Candidate Starts for Soile_15:
(Start: 33 @12965 has 335 MA's), (44, 13043), (47, 13058), (48, 13061), (61, 13124), (63, 13133), (65, 13142), (70, 13178), (77, 13214), (95, 13319),

Gene: Solosis_14 Start: 12972, Stop: 13361, Start Num: 33
Candidate Starts for Solosis_14:
(Start: 33 @12972 has 335 MA's), (44, 13050), (47, 13065), (48, 13068), (61, 13131), (63, 13140), (65, 13149), (70, 13185), (77, 13221), (95, 13326),

Gene: Sophia_14 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for Sophia_14:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: Soto_15 Start: 13250, Stop: 13639, Start Num: 33
Candidate Starts for Soto_15:
(Start: 33 @13250 has 335 MA's), (44, 13328), (47, 13343), (48, 13346), (61, 13409), (63, 13418), (65, 13427), (70, 13463), (77, 13499), (95, 13604),

Gene: Spartan300_15 Start: 13250, Stop: 13639, Start Num: 33
Candidate Starts for Spartan300_15:
(Start: 33 @13250 has 335 MA's), (44, 13328), (47, 13343), (48, 13346), (61, 13409), (63, 13418), (65, 13427), (70, 13463), (77, 13499), (95, 13604),

Gene: Spooky_24 Start: 20292, Stop: 20663, Start Num: 41
Candidate Starts for Spooky_24:
(3, 19797), (6, 19908), (7, 19926), (Start: 40 @20286 has 17 MA's), (Start: 41 @20292 has 26 MA's), (45, 20349), (49, 20361), (64, 20436), (72, 20499), (73, 20502), (79, 20526), (87, 20571), (88, 20574),

Gene: Squid_15 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for Squid_15:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: Squiddly_26 Start: 21704, Stop: 22075, Start Num: 41
Candidate Starts for Squiddly_26:
(3, 21209), (6, 21320), (7, 21338), (Start: 40 @21698 has 17 MA's), (Start: 41 @21704 has 26 MA's), (45, 21761), (49, 21773), (64, 21848), (72, 21911), (73, 21914), (79, 21938), (87, 21983), (88, 21986),

Gene: Squiggle_15 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for Squiggle_15:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: Srilaccoli3_34 Start: 35928, Stop: 36317, Start Num: 38
Candidate Starts for Srilaccoli3_34:
(15, 35727), (26, 35835), (Start: 38 @35928 has 10 MA's), (49, 36006), (69, 36114), (74, 36144), (91, 36231), (95, 36261),

Gene: StAB_22 Start: 21542, Stop: 21910, Start Num: 38
Candidate Starts for StAB_22:
(Start: 33 @21524 has 335 MA's), (Start: 38 @21542 has 10 MA's), (51, 21626), (63, 21689), (76, 21767),

Gene: Stiles_22 Start: 21096, Stop: 21464, Start Num: 38
Candidate Starts for Stiles_22:
(Start: 33 @21078 has 335 MA's), (Start: 38 @21096 has 10 MA's), (56, 21219), (57, 21222),

Gene: Stinger_13 Start: 13475, Stop: 13876, Start Num: 33
Candidate Starts for Stinger_13:
(Start: 33 @13475 has 335 MA's), (48, 13577), (54, 13616), (61, 13640), (70, 13694), (73, 13712), (75, 13721), (77, 13730), (81, 13748), (83, 13760),

Gene: StinkyVeggy_17 Start: 15081, Stop: 15383, Start Num: 47
Candidate Starts for StinkyVeggy_17:
(19, 14862), (Start: 30 @14970 has 2 MA's), (Start: 33 @14985 has 335 MA's), (47, 15081), (48, 15084), (63, 15156), (70, 15201), (77, 15237), (79, 15243), (84, 15279), (99, 15363),

Gene: Struggle_14 Start: 12806, Stop: 13195, Start Num: 33
Candidate Starts for Struggle_14:
(Start: 33 @12806 has 335 MA's), (44, 12884), (47, 12899), (48, 12902), (61, 12965), (63, 12974), (65, 12983), (70, 13019), (77, 13055), (95, 13160),

Gene: Suffolk_15 Start: 13252, Stop: 13641, Start Num: 33
Candidate Starts for Suffolk_15:
(Start: 33 @13252 has 335 MA's), (44, 13330), (47, 13345), (48, 13348), (61, 13411), (63, 13420), (65, 13429), (70, 13465), (77, 13501), (95, 13606),

Gene: Suigeneris_16 Start: 14831, Stop: 15253, Start Num: 30
Candidate Starts for Suigeneris_16:
(19, 14723), (Start: 30 @14831 has 2 MA's), (Start: 33 @14846 has 335 MA's), (47, 14951), (48, 14954), (51, 14963), (63, 15026), (70, 15071), (77, 15107), (84, 15149), (99, 15233),

Gene: Surely_15 Start: 13262, Stop: 13651, Start Num: 33
Candidate Starts for Surely_15:
(Start: 33 @13262 has 335 MA's), (44, 13340), (47, 13355), (48, 13358), (61, 13421), (63, 13430), (65, 13439), (70, 13475), (77, 13511), (95, 13616),

Gene: SushiChef_24 Start: 21273, Stop: 21629, Start Num: 41
Candidate Starts for SushiChef_24:
(Start: 41 @21273 has 26 MA's), (Start: 46 @21333 has 2 MA's), (49, 21342), (64, 21417), (72, 21480), (75, 21492), (87, 21552),

Gene: Swiphy_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Swiphy_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Swish_15 Start: 13248, Stop: 13637, Start Num: 33
Candidate Starts for Swish_15:
(Start: 33 @13248 has 335 MA's), (44, 13326), (47, 13341), (48, 13344), (61, 13407), (63, 13416), (65, 13425), (70, 13461), (77, 13497), (95, 13602),

Gene: TPA2_24 Start: 15808, Stop: 16110, Start Num: 48
Candidate Starts for TPA2_24:
(8, 15427), (34, 15712), (39, 15736), (48, 15808), (52, 15829), (79, 15967), (83, 15991), (84, 16003), (94, 16060), (96, 16072), (97, 16081),

Gene: TallGrassMM_15 Start: 12978, Stop: 13367, Start Num: 33
Candidate Starts for TallGrassMM_15:
(Start: 33 @12978 has 335 MA's), (44, 13056), (47, 13071), (48, 13074), (61, 13137), (63, 13146), (65, 13155), (70, 13191), (77, 13227), (95, 13332),

Gene: Taraxa_15 Start: 12832, Stop: 13221, Start Num: 33
Candidate Starts for Taraxa_15:
(Start: 33 @12832 has 335 MA's), (44, 12910), (47, 12925), (48, 12928), (61, 12991), (63, 13000), (65, 13009), (70, 13045), (77, 13081), (95, 13186),

Gene: Telesworld_14 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for Telesworld_14:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: ThankyouJordi_21 Start: 21049, Stop: 21405, Start Num: 41
Candidate Starts for ThankyouJordi_21:

(Start: 41 @21049 has 26 MA's), (Start: 46 @21109 has 2 MA's), (87, 21328),

Gene: Thora_15 Start: 13262, Stop: 13651, Start Num: 33
Candidate Starts for Thora_15:
(Start: 33 @13262 has 335 MA's), (44, 13340), (47, 13355), (48, 13358), (61, 13421), (63, 13430), (65, 13439), (70, 13475), (77, 13511), (95, 13616),

Gene: ThreeOh3D2_15 Start: 13263, Stop: 13652, Start Num: 33
Candidate Starts for ThreeOh3D2_15:
(Start: 33 @13263 has 335 MA's), (44, 13341), (47, 13356), (48, 13359), (61, 13422), (63, 13431), (65, 13440), (70, 13476), (77, 13512), (95, 13617),

Gene: Thunderbird_14 Start: 12962, Stop: 13351, Start Num: 33
Candidate Starts for Thunderbird_14:
(Start: 33 @12962 has 335 MA's), (44, 13040), (47, 13055), (48, 13058), (61, 13121), (63, 13130), (65, 13139), (70, 13175), (77, 13211), (95, 13316),

Gene: TimTam_22 Start: 21074, Stop: 21430, Start Num: 41
Candidate Starts for TimTam_22:
(Start: 41 @21074 has 26 MA's), (Start: 46 @21134 has 2 MA's), (49, 21143), (64, 21218), (72, 21281), (75, 21293), (87, 21353),

Gene: Timmi_14 Start: 12972, Stop: 13361, Start Num: 33
Candidate Starts for Timmi_14:
(Start: 33 @12972 has 335 MA's), (44, 13050), (47, 13065), (48, 13068), (61, 13131), (63, 13140), (65, 13149), (70, 13185), (77, 13221), (95, 13326),

Gene: TomBombadil_15 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for TomBombadil_15:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: Tomlarah_15 Start: 13247, Stop: 13636, Start Num: 33
Candidate Starts for Tomlarah_15:
(Start: 33 @13247 has 335 MA's), (44, 13325), (47, 13340), (48, 13343), (61, 13406), (63, 13415), (65, 13424), (70, 13460), (77, 13496), (95, 13601),

Gene: Toni_14 Start: 12958, Stop: 13347, Start Num: 33
Candidate Starts for Toni_14:
(Start: 33 @12958 has 335 MA's), (44, 13036), (47, 13051), (48, 13054), (61, 13117), (63, 13126), (65, 13135), (70, 13171), (77, 13207), (95, 13312),

Gene: TooFast2Furius_16 Start: 13494, Stop: 13883, Start Num: 33
Candidate Starts for TooFast2Furius_16:
(Start: 33 @13494 has 335 MA's), (44, 13572), (47, 13587), (48, 13590), (61, 13653), (63, 13662), (65, 13671), (70, 13707), (77, 13743), (95, 13848),

Gene: Tooj_15 Start: 13260, Stop: 13649, Start Num: 33
Candidate Starts for Tooj_15:
(Start: 33 @13260 has 335 MA's), (44, 13338), (47, 13353), (48, 13356), (61, 13419), (63, 13428), (65, 13437), (70, 13473), (77, 13509), (95, 13614),

Gene: Triad_15 Start: 12797, Stop: 13186, Start Num: 33

Candidate Starts for Triad_15:
(Start: 33 @12797 has 335 MA's), (44, 12875), (47, 12890), (48, 12893), (61, 12956), (63, 12965), (65, 12974), (70, 13010), (77, 13046), (95, 13151),

Gene: Troy_22 Start: 21107, Stop: 21475, Start Num: 38
Candidate Starts for Troy_22:
(12, 20891), (Start: 38 @21107 has 10 MA's), (51, 21191), (56, 21230), (63, 21254), (68, 21275), (76, 21332),

Gene: True_14 Start: 12961, Stop: 13350, Start Num: 33
Candidate Starts for True_14:
(Start: 33 @12961 has 335 MA's), (44, 13039), (47, 13054), (48, 13057), (61, 13120), (63, 13129), (65, 13138), (70, 13174), (77, 13210), (95, 13315),

Gene: Trypo_15 Start: 13250, Stop: 13639, Start Num: 33
Candidate Starts for Trypo_15:
(Start: 33 @13250 has 335 MA's), (44, 13328), (47, 13343), (48, 13346), (61, 13409), (63, 13418), (65, 13427), (70, 13463), (77, 13499), (95, 13604),

Gene: TyrionL_14 Start: 12812, Stop: 13201, Start Num: 33
Candidate Starts for TyrionL_14:
(Start: 33 @12812 has 335 MA's), (44, 12890), (47, 12905), (48, 12908), (61, 12971), (63, 12980), (65, 12989), (70, 13025), (77, 13061), (95, 13166),

Gene: UAch1_15 Start: 13271, Stop: 13660, Start Num: 33
Candidate Starts for UAch1_15:
(Start: 33 @13271 has 335 MA's), (44, 13349), (47, 13364), (48, 13367), (61, 13430), (63, 13439), (65, 13448), (70, 13484), (77, 13520), (95, 13625),

Gene: UncleHowie_15 Start: 12960, Stop: 13349, Start Num: 33
Candidate Starts for UncleHowie_15:
(Start: 33 @12960 has 335 MA's), (44, 13038), (47, 13053), (48, 13056), (61, 13119), (63, 13128), (65, 13137), (70, 13173), (77, 13209), (95, 13314),

Gene: Usavi_15 Start: 13262, Stop: 13651, Start Num: 33
Candidate Starts for Usavi_15:
(Start: 33 @13262 has 335 MA's), (44, 13340), (47, 13355), (48, 13358), (61, 13421), (63, 13430), (65, 13439), (70, 13475), (77, 13511), (95, 13616),

Gene: Vaishali24_14 Start: 12913, Stop: 13302, Start Num: 33
Candidate Starts for Vaishali24_14:
(Start: 33 @12913 has 335 MA's), (44, 12991), (47, 13006), (48, 13009), (61, 13072), (63, 13081), (65, 13090), (70, 13126), (77, 13162), (95, 13267),

Gene: Valjean_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Valjean_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Vaticameos_15 Start: 12951, Stop: 13340, Start Num: 33
Candidate Starts for Vaticameos_15:
(Start: 33 @12951 has 335 MA's), (44, 13029), (47, 13044), (48, 13047), (61, 13110), (63, 13119), (65, 13128), (70, 13164), (77, 13200), (95, 13305),

Gene: Vectra_14 Start: 12817, Stop: 13206, Start Num: 33
Candidate Starts for Vectra_14:
(Start: 33 @12817 has 335 MA's), (44, 12895), (47, 12910), (48, 12913), (61, 12976), (63, 12985), (65, 12994), (70, 13030), (77, 13066), (95, 13171),

Gene: Veritas_14 Start: 12800, Stop: 13189, Start Num: 33
Candidate Starts for Veritas_14:
(Start: 33 @12800 has 335 MA's), (44, 12878), (47, 12893), (48, 12896), (61, 12959), (63, 12968), (65, 12977), (70, 13013), (77, 13049), (95, 13154),

Gene: Vincenzo_16 Start: 15755, Stop: 16156, Start Num: 33
Candidate Starts for Vincenzo_16:
(Start: 33 @15755 has 335 MA's), (Start: 38 @15782 has 10 MA's), (48, 15857), (54, 15896), (61, 15920), (63, 15929), (69, 15968), (71, 15980), (73, 15992), (77, 16010), (81, 16028), (83, 16040), (84, 16052),

Gene: VioletZ_15 Start: 15009, Stop: 15410, Start Num: 33
Candidate Starts for VioletZ_15:
(Start: 33 @15009 has 335 MA's), (48, 15111), (61, 15174), (63, 15183), (70, 15228), (73, 15246), (77, 15264), (82, 15285), (83, 15294), (98, 15387),

Gene: Virapocalypse_15 Start: 13245, Stop: 13634, Start Num: 33
Candidate Starts for Virapocalypse_15:
(Start: 33 @13245 has 335 MA's), (44, 13323), (47, 13338), (48, 13341), (61, 13404), (63, 13413), (65, 13422), (70, 13458), (77, 13494), (95, 13599),

Gene: Virgeve_14 Start: 12966, Stop: 13355, Start Num: 33
Candidate Starts for Virgeve_14:
(Start: 33 @12966 has 335 MA's), (44, 13044), (47, 13059), (48, 13062), (61, 13125), (63, 13134), (65, 13143), (70, 13179), (77, 13215), (95, 13320),

Gene: Vista_15 Start: 13256, Stop: 13645, Start Num: 33
Candidate Starts for Vista_15:
(Start: 33 @13256 has 335 MA's), (44, 13334), (47, 13349), (48, 13352), (61, 13415), (63, 13424), (65, 13433), (70, 13469), (77, 13505), (95, 13610),

Gene: Vivaldi_15 Start: 13287, Stop: 13676, Start Num: 33
Candidate Starts for Vivaldi_15:
(Start: 33 @13287 has 335 MA's), (44, 13365), (47, 13380), (48, 13383), (61, 13446), (63, 13455), (65, 13464), (70, 13500), (77, 13536), (95, 13641),

Gene: Vortex_15 Start: 12967, Stop: 13356, Start Num: 33
Candidate Starts for Vortex_15:
(Start: 33 @12967 has 335 MA's), (44, 13045), (47, 13060), (48, 13063), (61, 13126), (63, 13135), (65, 13144), (70, 13180), (77, 13216), (95, 13321),

Gene: Waleliano_15 Start: 14979, Stop: 15380, Start Num: 33
Candidate Starts for Waleliano_15:
(Start: 33 @14979 has 335 MA's), (48, 15081), (61, 15144), (63, 15153), (70, 15198), (73, 15216), (77, 15234), (82, 15255), (83, 15264), (98, 15357),

Gene: Wallhey_14 Start: 12818, Stop: 13207, Start Num: 33

Candidate Starts for Wallhey_14:
(Start: 33 @12818 has 335 MA's), (44, 12896), (47, 12911), (48, 12914), (61, 12977), (63, 12986), (65, 12995), (70, 13031), (77, 13067), (95, 13172),

Gene: Waterdiva_15 Start: 13254, Stop: 13643, Start Num: 33
Candidate Starts for Waterdiva_15:
(Start: 33 @13254 has 335 MA's), (44, 13332), (47, 13347), (48, 13350), (61, 13413), (63, 13422), (65, 13431), (70, 13467), (77, 13503), (95, 13608),

Gene: Weher20_15 Start: 13244, Stop: 13633, Start Num: 33
Candidate Starts for Weher20_15:
(Start: 33 @13244 has 335 MA's), (44, 13322), (47, 13337), (48, 13340), (61, 13403), (63, 13412), (65, 13421), (70, 13457), (77, 13493), (95, 13598),

Gene: WelcomeAyanna_21 Start: 21049, Stop: 21405, Start Num: 41
Candidate Starts for WelcomeAyanna_21:
(Start: 41 @21049 has 26 MA's), (Start: 46 @21109 has 2 MA's), (87, 21328),

Gene: Whitney_25 Start: 21106, Stop: 21480, Start Num: 41
Candidate Starts for Whitney_25:
(3, 20611), (6, 20722), (7, 20740), (Start: 40 @21100 has 17 MA's), (Start: 41 @21106 has 26 MA's), (45, 21163), (Start: 46 @21166 has 2 MA's), (49, 21175), (64, 21250), (72, 21313), (73, 21316), (75, 21325), (87, 21385), (88, 21388),

Gene: Windsor_14 Start: 12920, Stop: 13309, Start Num: 33
Candidate Starts for Windsor_14:
(Start: 33 @12920 has 335 MA's), (44, 12998), (47, 13013), (48, 13016), (61, 13079), (63, 13088), (65, 13097), (70, 13133), (77, 13169), (95, 13274),

Gene: Xavier_14 Start: 12972, Stop: 13361, Start Num: 33
Candidate Starts for Xavier_14:
(Start: 33 @12972 has 335 MA's), (44, 13050), (47, 13065), (48, 13068), (61, 13131), (63, 13140), (65, 13149), (70, 13185), (77, 13221), (95, 13326),

Gene: Xincheng_15 Start: 14800, Stop: 15201, Start Num: 33
Candidate Starts for Xincheng_15:
(Start: 33 @14800 has 335 MA's), (48, 14902), (54, 14941), (61, 14965), (63, 14974), (70, 15019), (73, 15037), (75, 15046), (77, 15055), (82, 15076), (83, 15085), (98, 15178),

Gene: Yoshand_15 Start: 13257, Stop: 13646, Start Num: 33
Candidate Starts for Yoshand_15:
(Start: 33 @13257 has 335 MA's), (44, 13335), (47, 13350), (48, 13353), (61, 13416), (63, 13425), (65, 13434), (70, 13470), (77, 13506), (95, 13611),

Gene: YouGoGlencoco_15 Start: 13250, Stop: 13639, Start Num: 33
Candidate Starts for YouGoGlencoco_15:
(Start: 33 @13250 has 335 MA's), (44, 13328), (47, 13343), (48, 13346), (61, 13409), (63, 13418), (65, 13427), (70, 13463), (77, 13499), (95, 13604),

Gene: Zaider_16 Start: 13483, Stop: 13872, Start Num: 33
Candidate Starts for Zaider_16:
(Start: 33 @13483 has 335 MA's), (44, 13561), (47, 13576), (48, 13579), (61, 13642), (63, 13651), (65, 13660), (70, 13696), (77, 13732), (95, 13837),

Gene: Zelda_15 Start: 13253, Stop: 13642, Start Num: 33
Candidate Starts for Zelda_15:
(Start: 33 @13253 has 335 MA's), (44, 13331), (47, 13346), (48, 13349), (61, 13412), (63, 13421), (65, 13430), (70, 13466), (77, 13502), (95, 13607),

Gene: Zemanar_16 Start: 14979, Stop: 15380, Start Num: 33
Candidate Starts for Zemanar_16:
(Start: 33 @14979 has 335 MA's), (48, 15081), (61, 15144), (63, 15153), (70, 15198), (73, 15216), (77, 15234), (82, 15255), (83, 15264), (98, 15357),

Gene: Zirinka_22 Start: 21086, Stop: 21442, Start Num: 41
Candidate Starts for Zirinka_22:
(Start: 41 @21086 has 26 MA's), (Start: 46 @21146 has 2 MA's), (49, 21155), (64, 21230), (72, 21293), (75, 21305), (87, 21365),

Gene: Zonia_15 Start: 13267, Stop: 13656, Start Num: 33
Candidate Starts for Zonia_15:
(Start: 33 @13267 has 335 MA's), (44, 13345), (47, 13360), (48, 13363), (61, 13426), (63, 13435), (65, 13444), (70, 13480), (77, 13516), (95, 13621),