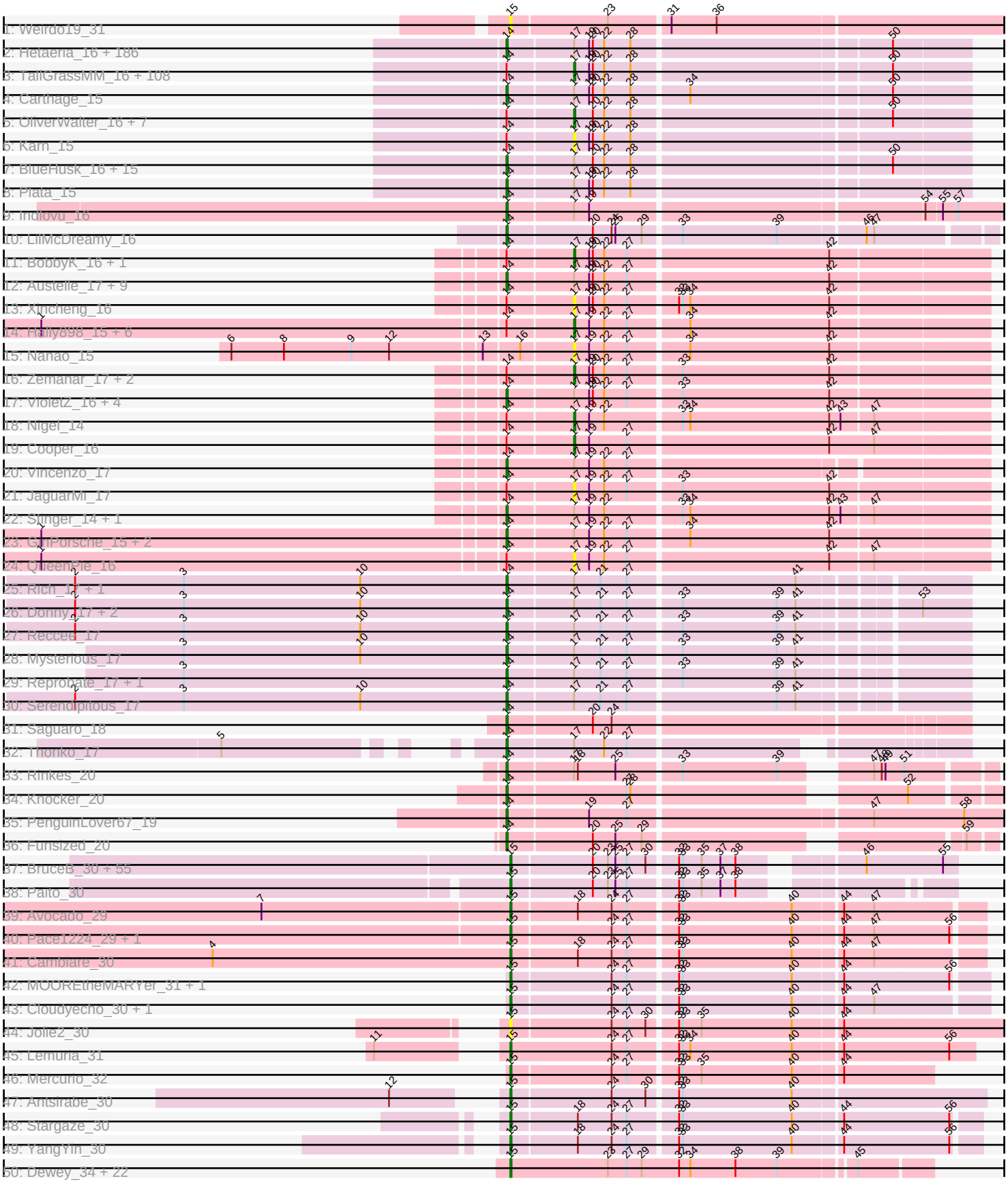
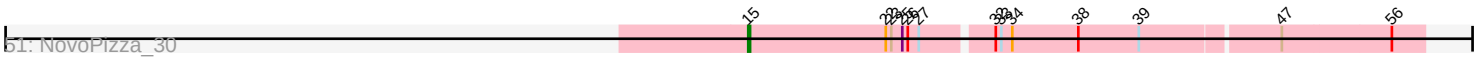
Pham 347086


1: Weirdo19_31
2: Hetaeria_16 + 186
3: TallGrassMM_16 + 108
4: Carthage_15
5: OliverWalter_16 + 7
6: Karn_15
7: BlueHusk_16 + 15
8: Plata_15
9: Indiovu_16
10: LilMcDreamy_16
11: BobbyK_16 + 1
12: Austelle_17 + 9
13: Xincheng_16
14: Hally898_15 + 6
15: Nanao_15
16: Zemanar_17 + 2
17: VioletZ_16 + 4
18: Nigel_14
19: Cooper_16
20: Vincenzo_17
21: JaguarMI_17
22: Stinger_14 + 1
23: GirlPorsche_15 + 2
24: Queenbie_16
25: Rich_17 + 1
26: Donny_17 + 2
27: Recced_17
28: Mysterious_17
29: Reprobate_17 + 1
30: Serendipitous_17
31: Saguaro_18
32: Thonko_17
33: Rinkes_20
34: Knocker_20
35: PenguinLover67_19
36: Funsized_20
37: BruceB_30 + 55
38: Paito_30
39: Avocado_29
40: Pace1224_29 + 1
41: Cambiare_30
42: MOOREtheMARYer_31 + 1
43: Cloudyecho_30 + 1
44: Jolie2_30
45: Lemuria_31
46: Mercurio_32
47: Amsirabe_30
48: Stargaze_30
49: YangYin_30
50: Dewey_34 + 22

Pham 347086



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 347086 Report

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

Pham number 347086 has 476 members, 40 are drafts.

Phages represented in each track:
• Track 1 : Weirdo19_31
• Track 2 : Hetaeria_16, Soto_16, HSavage_16, Phergie_15, Zaider_17, Simielle_15, HenryJackson_15, Gyarad_0016, Cornobble_15, FugateOSU_15, Fringe_16, JacAttac_16, Orfeu_15, Phamished_16, Dione_15, Gwilliam_16, Mag7_15, Toni_15, Vivaldi_16, Mesh1_16, Plmatters_16, Melc17_16, Mcshane_15, Hocus_15, Nacho_0016, CheetO_16, Hartsy_16, JakeO_15, Piglet_0015, Spartan300_16, Squid_16, Morty_16, CamL_16, Roscoe_17, Antonia_15, Mosaic_15, Weher20_16, Serpentine_0016, Struggle_15, KlimbOn_16, PhenghisKhan_15, Vista_16, Grand2040_15, Sophia_15, DonSanchon_15, Solosis_15, Jesabah_16, Mutante_15, Aonishiki_16, Keitherie_16, PhrankReynolds_15, Maru_15, Roy17_16, Aelin_15, Inchworm_16, TomBombadil_16, Labeouficaum_15, CharlieGBrown_15, Placalicious_15, Adriana_16, HighStump_15, Oline_15, Pherdinand_16, Jillium_15, Nicole21_16, Chorkpop_16, Phleuron_15, Slatt_16, Altwerkus_15, Derpp_15, Burr_15, Selr12_16, DaddyDaniels_16, Valjean_16, Pipsqueak_16, Virapocalypse_16, Childish_15, Ricotta_15, Soile_16, Mulan_15, Duggie_15, MichaelPhcott_15, Schueller_15, AngelCake_16, Iridessa_16, Magic8_16, Zonia_16, True_15, TyrionL_15, Timmi_15, MitKao_16, Boehler_16, Olak_15, FleetyMac_16, JangoPhett_16, Durga_16, BlackStallion_16, Riggan_16, Bishoperium_15, Mecca_15, UAch1_16, AbsoluteMadLad_15, Quisquiliae_16, Wallhey_15, Craff_16, Kwadwo_15, Waterdiva_16, PhrodoBaggins_15, Gareth_15, Chute_16, Kwksand96_15, Beaglebox_15, Cannibal_16, FriarPreacher_16, Sheila_16, Samaymay_16, LostAndPhound_15, Tooj_16, Schadenfreude_15, Freya_15, Haleema_15, RedMaple_15, ProfessorX_16, Pacifista_15, Dati_16, Kailash_16, Lulumae_15, Chaelin_15, AltPhacts_16, BoogieWoogie_16, Xavier_15, SassyCat97_15, Charles1_16, Emiris_16, Cobra_16, QueenBeane_16, Haimas_16, Telesworld_15, LeeLot_16, Giraffe_16, Omniscient_16, Bluephacebaby_15, KingTut_15, Vaticameos_16, PinheadLarry_16, Held_16, FremontTroll_15, Lego3393_16, Kimbrough_16, CampRoach_16, Kahve_15, Lumine_15, Roliet_16, Tomlarah_16, Legolas_15, Matalotodo_16, GeneCoco_16, LemonSlice_16, Phareon_16, Hertubise_16, Jiminy_15, Fozzie_15, Zelda_16, EmpTee_16, Windsor_15, MRabcd_15, LasagnaCat_16, Frankicide_16, LuckyMarjie_15, Daka_16, Dice_15, Cher_15, DoesntMatter_16, Scrick_15, Buckeye_16, Trypo_16, Brilliant_16, Veritas_15, Skippy_16, Phunky_16, YouGoGlencoco_16, Squiggle_16, Cosmolli16_15, ShiVal_16, Surely_16, Kloppinator_16, PhatCats2014_16
• Track 3 : TallGrassMM_16, Vectra_15, Puhltonio_16, Jbug01_16, Vaishali24_15, Numberten_16, Andre_16, Doddsville_16, NiaNia_16, OSmaximus_16, Yoshand_16, Virgeve_15, Etaye_16, Kiwot_15, Newman_16, Nehme_15, Khan1_15, Rimu_16,

Chuni_16, Daffy_16, DelRivs_15, ABU_16, SallyH_16, Hamish_16, ShadowBud_16, Suffolk_16, ThreeOh3D2_16, ImtiyazSitla_15, PhatLouie_16, Kikipoo_16, Serendipity_16, BlacksBerry_15, Maskar_15, Megatron_16, BatteryCK_15, Olive_16, Swish_16, Flake_16, Gwennie1_16, DuchessDung_15, Larson_17, Pinkman_15, KLucky39_16, MrPhizzler_16, UncleHowie_16, FluffyNinja_16, Mesmerelda_15, Gophee_16, IsaacEli_16, PallasAthena_15, Mana_15, Morgushi_16, Sigman_16, MelsMeow_15, Fang_16, Happabalu_16, Phipps_16, JDog_15, GreenChile_16, Salazzle_15, Scoot17C_16, Lasso_16, Ashraf_15, Lopsy_15, Orion_16, Vortex_16, PG1_16, Murdoc_16, DolOn_17, HogWash_15, Iridoclysis_16, ElvisPhasley_16, Potter_15, Pops_16, EmGer13_15, RedRaider89_17, Longacauda_15, OneBrain_16, Oosterbaan_16, Anderson_16, Harvey_16, Nyala_15, Chah_16, Triad_16, SilverBell_16, Inverness_16, Caspiboi_15, Banjo_15, Badfish_16, SirBeauregard_15, Nova1_15, Thora_16, Taraxa_16, Hekos_15, Eremos_16, Apizium_15, Cornbread_15, Katniss_16, Orwigg_15, Colbert_16, Aleia_16, TooFast2Furius_17, Coletti_16, Swiphy_16, LeiMonet_16, Eugenia_16, Megamind20_16, Lehmann_16, Nathan_16

- Track 4 : Carthage_15
- Track 5 : OliverWalter_16, Azuria_15, Septica_15, Prickles_16, Thunderbird_15, Manad_15, Basato_17, Riverton_16
- Track 6 : Karn_15
- Track 7 : BlueHusk_16, Mikota_16, Crownjwl_16, DirtJuice_16, Jiraiya_15, Chipette_17, MiniBoss_16, Horchata_16, SDcharge11_16, Podrick_16, Robyn_15, Lulwa_16, Chunky_16, Dingo_16, Usavi_16, KingVeVeVe_16
- Track 8 : Plata_15
- Track 9 : Indlovu_16
- Track 10 : LilMcDreamy_16
- Track 11 : BobbyK_16, Apex_16
- Track 12 : Austelle_17, Magpie_16, Mudslide_16, Frederick_16, JoyceMaria_16, Mithril_16, Lolalove_16, Prince_16, Fortunato_16, BrownCNA_17
- Track 13 : Xincheng_16
- Track 14 : Hally898_15, Lambano_15, ChrisnMich_15, Epah_15, Poster_15, Antihero_15, Ahwei_15
- Track 15 : Nanao_15
- Track 16 : Zemanar_17, RawrgerThat_16, Fanaw_16
- Track 17 : VioletZ_16, Heath_16, Hydro_16, Hangman_16, Waleliano_16
- Track 18 : Nigel_14
- Track 19 : Cooper_16
- Track 20 : Vincenzo_17
- Track 21 : JaguarMi_17
- Track 22 : Stinger_14, JAMaL_16
- Track 23 : GinPorsche_15, LittleDigger_15, Renkei_15
- Track 24 : QueenPie_16
- Track 25 : Rich_17, Baee_17
- Track 26 : Donny_17, Suigeneris_17, Acadian_17
- Track 27 : Reccee_17
- Track 28 : Mysterious_17
- Track 29 : Reprobate_17, Phelemich_17
- Track 30 : Serendipitous_17
- Track 31 : Saguaro_18
- Track 32 : Thonko_17
- Track 33 : Rinkes_20
- Track 34 : Knocker_20
- Track 35 : PenguinLover67_19

• Track 36 : Funsized_20
• Track 37 : BruceB_30, Richarlison_30, Halo_30, Kareem_30, Frosty24_30, Rabbs_30, Aroostook_30, Zombie_30, Darionha_30, MZKinsey_30, JorRay_30, Phreak_30, Gomashi_30, Peeb_30, Annihilator_30, Cherrybomb426_30, Sneeze_30, Remy19_30, Jane_30, Wendigo_30, PinkYoshi_30, Jolene_30, Rattrick_30, CassieYates_30, Angel_30, TinaBug_30, GoldenAsh_30, Phloodle_30, DingDing_30, Hope_30, TomBrady_30, ECartman_30, Marmie_30, OctaviousRex_30, Renaissance_30, Gideon_30, Periodt_30, Avrafan_30, ZoMa_30, Schiebel_30, Sizemore_30, Jonghyun_30, BQuat_30, Coleslaw_30, BPs_30, Maliketh_30, Jeilious_30, Neoh_30, LouisV14_30, Plagueis_30, Mowgli_30, Chance64_30, DMoney_30, Ruriko_30, ShaboiShabazz_30, Liefie_30
• Track 38 : Paito_30
• Track 39 : Avocado_29
• Track 40 : Pace1224_29, FlagStaff_29
• Track 41 : Cambiare_30
• Track 42 : MOOREtheMARYer_31, Pinnie_31
• Track 43 : Cloudyecho_30, GodSpeed_29
• Track 44 : Jolie2_30
• Track 45 : Lemuria_31
• Track 46 : Mercurio_32
• Track 47 : Antsirabe_30
• Track 48 : Stargaze_30
• Track 49 : YangYin_30
• Track 50 : Dewey_34, Forge_34, Hail_34, OBUpride_35, Luna22_34, Hadrien_35, HH92_34, Wishmaker_34, Amymech_35, Gancho_34, Webster2_35, Luke_35, Amochick_35, Giles_34, LilHazelnut_35, Ubuntu_35, DeepSoil15_35, Kinbote_35, BloominB_34, Gravaillia_34, Evanesce_34, Ein37_35, Daegal_36
• Track 51 : NovoPizza_30

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

The start number called the most often in the published annotations is 14, it was called in 244 of the 436 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbsoluteMadLad_15, Acadian_17, Adriana_16, Aelin_15, AltPhacts_16, Altwerkus_15, AngelCake_16, Antonia_15, Aonishiki_16, Austelle_17, Baee_17, Beaglebox_15, Bishoperium_15, BlackStallion_16, BlueHusk_16, Bluephacebaby_15, Boehler_16, BoogieWoogie_16, Brilliant_16, BrownCNA_17, Buckeye_16, Burr_15, CamL_16, CampRoach_16, Cannibal_16, Carthage_15, Chaelin_15, Charles1_16, CharlieGBrown_15, CheetO_16, Cher_15, Childish_15, Chipette_17, Chorkpop_16, Chunky_16, Chute_16, Cobra_16, Cornobble_15, Cosmolli16_15, Craff_16, Crownjwl_16, DaddyDaniels_16, Daka_16, Dati_16, Derpp_15, Dice_15, Dingo_16, Dione_15, DirtJuice_16, DoesntMatter_16, DonSanchon_15, Donny_17, Duggie_15, Durga_16, Emiris_16, EmpTee_16, FleetyMac_16, Fortunato_16, Fozzie_15, Frankicide_16, Frederick_16, FremontTroll_15, Freya_15, FriarPreacher_16, Fringe_16, FugateOSU_15, Funsized_20, Gareth_15, GeneCoco_16, GinPorsche_15, Giraffe_16, Grand2040_15, Gwilliam_16, Gyarad_0016, HSavage_16, Haimas_16, Haleema_15, Hangman_16, Hartsy_16, Heath_16, Held_16, HenryJackson_15, Hertubise_16, Hetaeria_16, HighStump_15, Hocus_15,

Horchata_16, Hydro_16, Inchworm_16, Indlovu_16, Iridessa_16, JAMaL_16, JacAttac_16, JakeO_15, JangoPhett_16, Jesabah_16, Jillium_15, Jiminy_15, Jiraiya_15, JoyceMaria_16, Kahve_15, Kailash_16, Keitherie_16, Kimbrough_16, KingTut_15, KingVeVeVe_16, KlimbOn_16, Kloppinator_16, Knocker_20, Kwadwo_15, Kwksand96_15, Labeouficaum_15, LasagnaCat_16, LeeLot_16, Lego3393_16, Legolas_15, LemonSlice_16, LilMcDreamy_16, LittleDigger_15, Lolalove_16, LostAndPhound_15, LuckyMarjie_15, Lulumae_15, Lulwa_16, Lumine_15, MRabcd_15, Mag7_15, Magic8_16, Magpie_16, Maru_15, Matalotodo_16, Mcshane_15, Mecca_15, Melc17_16, Mesh1_16, MichaelPhcott_15, Mikota_16, MiniBoss_16, MitKao_16, Mithril_16, Morty_16, Mosaic_15, Mudslide_16, Mulan_15, Mutante_15, Mysterious_17, Nacho_0016, Nicole21_16, Olak_15, Oline_15, Omniscient_16, Orfeu_15, Pacifista_15, PenguinLover67_19, Phamished_16, Phareon_16, PhatCats2014_16, Phelemich_17, PhenghisKhan_15, Pherdinand_16, Phergie_15, Phleuron_15, PhrankReynolds_15, PhrodoBaggins_15, Phunky_16, Piglet_0015, PinheadLarry_16, Pipsqueak_16, Placalicious_15, Plata_15, Plmatters_16, Podrick_16, Prince_16, ProfessorX_16, QueenBeane_16, Quisquiliae_16, Reccee_17, RedMaple_15, Renkei_15, Reprobate_17, Rich_17, Ricotta_15, Riggan_16, Rinkes_20, Robyn_15, Roliet_16, Roscoe_17, Roy17_16, SDcharge11_16, Saguaro_18, Samaymay_16, SassyCat97_15, Schadenfreude_15, Schueller_15, Scrick_15, Selr12_16, Serendipitous_17, Serpentine_0016, Sheila_16, ShiVal_16, Simielle_15, Skippy_16, Slatt_16, Soile_16, Solosis_15, Sophia_15, Soto_16, Spartan300_16, Squid_16, Squiggle_16, Stinger_14, Struggle_15, Suigeneris_17, Surely_16, Telesworld_15, Thonko_17, Timmi_15, TomBombadil_16, Tomlarah_16, Toni_15, Tooj_16, True_15, Trypo_16, TyrionL_15, UAch1_16, Usavi_16, Valjean_16, Vaticameos_16, Veritas_15, Vincenzo_17, VioletZ_16, Virapocalypse_16, Vista_16, Vivaldi_16, Waleliano_16, Wallhey_15, Waterdiva_16, Weher20_16, Windsor_15, Xavier_15, YouGoGlencoco_16, Zaider_17, Zelda_16, Zonia_16,

Genes that have the "Most Annotated" start but do not call it:
• ABU_16, Ahwei_15, Aleia_16, Anderson_16, Andre_16, Antihero_15, Apex_16, Apizium_15, Ashraf_15, Azuria_15, Badfish_16, Banjo_15, Basato_17, BatteryCK_15, BlacksBerry_15, BobbyK_16, Caspiboi_15, Chah_16, ChrisnMich_15, Chuni_16, Colbert_16, Coletti_16, Cooper_16, Cornbread_15, Daffy_16, DelRivs_15, Doddsville_16, DolOn_17, DuchessDung_15, ElvisPhasley_16, EmGer13_15, Epah_15, Eremos_16, Etaye_16, Eugenia_16, Fanaw_16, Fang_16, Flake_16, FluffyNinja_16, Gophee_16, GreenChile_16, Gwennie1_16, Hally898_15, Hamish_16, Happabalu_16, Harvey_16, Hekos_15, HogWash_15, ImtiyazSitla_15, Inverness_16, Iridoclysis_16, IsaacEli_16, JDog_15, JaguarMi_17, Jbug01_16, KLucky39_16, Karn_15, Katniss_16, Khan1_15, Kikipoo_16, Kiwot_15, Lambano_15, Larson_17, Lasso_16, Lehmann_16, LeiMonet_16, Longacauda_15, Lopsy_15, Mana_15, Manad_15, Maskar_15, Megamind20_16, Megatron_16, MelsMeow_15, Mesmerelda_15, Morgushi_16, MrPhizzler_16, Murdoc_16, Nathan_16, Nehme_15, Newman_16, NiaNia_16, Nigel_14, Nova1_15, Numberten_16, Nyala_15, OSmaximus_16, Olive_16, OliverWalter_16, OneBrain_16, Oosterbaan_16, Orion_16, Orwigg_15, PG1_16, PallasAthena_15, PhatLouie_16, Phipps_16, Pinkman_15, Pops_16, Poster_15, Potter_15, Prickles_16, Puhltonio_16, QueenPie_16, RawrgerThat_16, RedRaider89_17, Rimu_16, Riverton_16, Salazzle_15, SallyH_16, Scoot17C_16, Septica_15, Serendipity_16, ShadowBud_16, Sigman_16, SilverBell_16, SirBeauregard_15, Suffolk_16, Swiphy_16, Swish_16, TallGrassMM_16, Taraxa_16, Thora_16, ThreeOh3D2_16, Thunderbird_15, TooFast2Furius_17, Triad_16, UncleHowie_16, Vaishali24_15, Vectra_15, Virgeve_15, Vortex_16, Xincheng_16, Yoshand_16, Zemanar_17,

Genes that do not have the "Most Annotated" start:
• Amochick_35, Amymech_35, Angel_30, Annihilator_30, Antsirabe_30, Aroostook_30, Avocado_29, Avrafan_30, BPs_30, BQuat_30, BloominB_34, BruceB_30, Cambiare_30, CassieYates_30, Chance64_30, Cherrybomb426_30, Cloudyecho_30, Coleslaw_30, DMoney_30, Daegal_36, Darionha_30, DeepSoil15_35, Dewey_34, DingDing_30, ECartman_30, Ein37_35, Evanesce_34, FlagStaff_29, Forge_34, Frosty24_30, Gancho_34, Gideon_30, Giles_34, GodSpeed_29, GoldenAsh_30, Gomashi_30, Gravaillia_34, HH92_34, Hadrien_35, Hail_34, Halo_30, Hope_30, Jane_30, Jeilious_30, Jolene_30, Jolie2_30, Jonghyun_30, JorRay_30, Kareem_30, Kinbote_35, Lemuria_31, Liefie_30, LilHazelnut_35, LouisV14_30, Luke_35, Luna22_34, MOOREtheMARYer_31, MZKinsey_30, Maliketh_30, Marmie_30, Mercurio_32, Mowgli_30, Nanao_15, Neoh_30, NovoPizza_30, OBUpride_35, OctaviousRex_30, Pace1224_29, Paito_30, Peeb_30, Periodt_30, Phloodle_30, Phreak_30, PinkYoshi_30, Pinnie_31, Plagueis_30, Rabbs_30, Rattrick_30, Remy19_30, Renaissance_30, Richarlison_30, Ruriko_30, Schiebel_30, ShaboiShabazz_30, Sizemore_30, Sneeze_30, Stargaze_30, TinaBug_30, TomBrady_30, Ubuntu_35, Webster2_35, Weirdo19_31, Wendigo_30, Wishmaker_34, YangYin_30, ZoMa_30, Zombie_30,

Summary by start number:

Start 14:
• Found in 379 of 476 (79.6%) of genes in pham
• Manual Annotations of this start: 244 of 436
• Called 64.4% of time when present
• Phage (with cluster) where this start called: AbsoluteMadLad_15 (B1), Acadian_17 (B5), Adriana_16 (B1), Aelin_15 (B1), AltPhacts_16 (B1), Altwerkus_15 (B1), AngelCake_16 (B1), Antonia_15 (B1), Aonishiki_16 (B1), Austelle_17 (B4), Baee_17 (B5), Beaglebox_15 (B1), Bishoperium_15 (B1), BlackStallion_16 (B1), BlueHusk_16 (B1), Bluephacebaby_15 (B1), Boehler_16 (B1), BoogieWoogie_16 (B1), Brilliant_16 (B1), BrownCNA_17 (B4), Buckeye_16 (B1), Burr_15 (B1), CamL_16 (B1), CampRoach_16 (B1), Cannibal_16 (B1), Carthage_15 (B1), Chaelin_15 (B1), Charles1_16 (B1), CharlieGBrown_15 (B1), CheetO_16 (B1), Cher_15 (B1), Childish_15 (B1), Chipette_17 (B1), Chorkpop_16 (B1), Chunky_16 (B1), Chute_16 (B1), Cobra_16 (B1), Cornobble_15 (B1), Cosmolli16_15 (B1), Craff_16 (B1), Crownjwl_16 (B1), DaddyDaniels_16 (B1), Daka_16 (B1), Dati_16 (B1), Derpp_15 (B1), Dice_15 (B1), Dingo_16 (B1), Dione_15 (B1), DirtJuice_16 (B1), DoesntMatter_16 (B1), DonSanchon_15 (B1), Donny_17 (B5), Duggie_15 (B1), Durga_16 (B1), Emiris_16 (B1), EmpTee_16 (B1), FleetyMac_16 (B1), Fortunato_16 (B4), Fozzie_15 (B1), Frankicide_16 (B1), Frederick_16 (B4), FremontTroll_15 (B1), Freya_15 (B1), FriarPreacher_16 (B1), Fringe_16 (B1), FugateOSU_15 (B1), Funsized_20 (B9), Gareth_15 (B1), GeneCoco_16 (B1), GinPorsche_15 (B4), Giraffe_16 (B1), Grand2040_15 (B1), Gwilliam_16 (B1), Gyarad_0016 (B1), HSavage_16 (B1), Haimas_16 (B1), Haleema_15 (B1), Hangman_16 (B4), Hartsy_16 (B1), Heath_16 (B4), Held_16 (B1), HenryJackson_15 (B1), Hertubise_16 (B1), Hetaeria_16 (B1), HighStump_15 (B1), Hocus_15 (B1), Horchata_16 (B1), Hydro_16 (B4), Inchworm_16 (B1), Indlovu_16 (B11), Iridessa_16 (B1), JAMaL_16 (B4), JacAttac_16 (B1), JakeO_15 (B1), JangoPhett_16 (B1), Jesabah_16 (B1), Jillium_15 (B1), Jiminy_15 (B1), Jiraiya_15 (B1), JoyceMaria_16 (B4), Kahve_15 (B1), Kailash_16 (B1), Keitherie_16 (B1), Kimbrough_16 (B1), KingTut_15 (B1), KingVeVeVe_16 (B1), KlimbOn_16 (B1), Kloppinator_16 (B1), Knocker_20 (B9), Kwadwo_15 (B1), Kwksand96_15 (B1), Labeouficaum_15 (B1), LasagnaCat_16 (B1),

LeeLot_16 (B1), Lego3393_16 (B1), Legolas_15 (B1), LemonSlice_16 (B1), LilMcDreamy_16 (B12), LittleDigger_15 (B4), Lolalove_16 (B4), LostAndPhound_15 (B1), LuckyMarjie_15 (B1), Lulumae_15 (B1), Lulwa_16 (B1), Lumine_15 (B1), MRabcd_15 (B1), Mag7_15 (B1), Magic8_16 (B1), Magpie_16 (B4), Maru_15 (B1), Matalotodo_16 (B1), Mcshane_15 (B1), Mecca_15 (B1), Melc17_16 (B1), Mesh1_16 (B1), MichaelPhcott_15 (B1), Mikota_16 (B1), MiniBoss_16 (B1), MitKao_16 (B1), Mithril_16 (B4), Morty_16 (B1), Mosaic_15 (B1), Mudslide_16 (B4), Mulan_15 (B1), Mutante_15 (B1), Mysterious_17 (B5), Nacho_0016 (B1), Nicole21_16 (B1), Olak_15 (B1), Oline_15 (B1), Omniscient_16 (B1), Orfeu_15 (B1), Pacifista_15 (B1), PenguinLover67_19 (B9), Phamished_16 (B1), Phareon_16 (B1), PhatCats2014_16 (B1), Phelemich_17 (B5), PhenghisKhan_15 (B1), Pherdinand_16 (B1), Phergie_15 (B1), Phleuron_15 (B1), PhrankReynolds_15 (B1), PhrodoBaggins_15 (B1), Phunky_16 (B1), Piglet_0015 (B1), PinheadLarry_16 (B1), Pipsqueak_16 (B1), Placalicious_15 (B1), Plata_15 (B1), Plmatters_16 (B1), Podrick_16 (B1), Prince_16 (B4), ProfessorX_16 (B1), QueenBeane_16 (B1), Quisquiliae_16 (B1), Reccee_17 (B5), RedMaple_15 (B1), Renkei_15 (B4), Reprobate_17 (B5), Rich_17 (B5), Ricotta_15 (B1), Riggan_16 (B1), Rinkes_20 (B9), Robyn_15 (B1), Roliet_16 (B1), Roscoe_17 (B1), Roy17_16 (B1), SDcharge11_16 (B1), Saguaro_18 (B7), Samaymay_16 (B1), SassyCat97_15 (B1), Schadenfreude_15 (B1), Schueller_15 (B1), Scrick_15 (B1), Selr12_16 (B1), Serendipitous_17 (B5), Serpentine_0016 (B1), Sheila_16 (B1), ShiVal_16 (B1), Simielle_15 (B1), Skippy_16 (B1), Slatt_16 (B1), Soile_16 (B1), Solosis_15 (B1), Sophia_15 (B1), Soto_16 (B1), Spartan300_16 (B1), Squid_16 (B1), Squiggle_16 (B1), Stinger_14 (B4), Struggle_15 (B1), Suigeneris_17 (B5), Surely_16 (B1), Telesworld_15 (B1), Thonko_17 (B8), Timmi_15 (B1), TomBombadil_16 (B1), Tomlarah_16 (B1), Toni_15 (B1), Tooj_16 (B1), True_15 (B1), Trypo_16 (B1), TyrionL_15 (B1), UAch1_16 (B1), Usavi_16 (B1), Valjean_16 (B1), Vaticameos_16 (B1), Veritas_15 (B1), Vincenzo_17 (B4), VioletZ_16 (B4), Virapocalypse_16 (B1), Vista_16 (B1), Vivaldi_16 (B1), Waleliano_16 (B4), Wallhey_15 (B1), Waterdiva_16 (B1), Weher20_16 (B1), Windsor_15 (B1), Xavier_15 (B1), YouGoGlencoco_16 (B1), Zaider_17 (B1), Zelda_16 (B1), Zonia_16 (B1),

Start 15:
• Found in 96 of 476 (20.2%) of genes in pham
• Manual Annotations of this start: 93 of 436
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amochick_35 (Q), Amymech_35 (Q), Angel_30 (G1), Annihilator_30 (G1), Antsirabe_30 (G5), Aroostook_30 (G1), Avocado_29 (G2), Avrafan_30 (G1), BPs_30 (G1), BQuat_30 (G1), BloominB_34 (Q), BruceB_30 (G1), Cambiare_30 (G2), CassieYates_30 (G1), Chance64_30 (G1), Cherrybomb426_30 (G1), Cloudyecho_30 (G3), Coleslaw_30 (G1), DMoney_30 (G1), Daegal_36 (Q), Darionha_30 (G1), DeepSoil15_35 (Q), Dewey_34 (Q), DingDing_30 (G1), ECartman_30 (G1), Ein37_35 (Q), Evanesce_34 (Q), FlagStaff_29 (G2), Forge_34 (Q), Frosty24_30 (G1), Gancho_34 (Q), Gideon_30 (G1), Giles_34 (Q), GodSpeed_29 (G2), GoldenAsh_30 (G1), Gomashi_30 (G1), Gravaillia_34 (Q), HH92_34 (Q), Hadrien_35 (Q), Hail_34 (Q), Halo_30 (G1), Hope_30 (G1), Jane_30 (G1), Jeilious_30 (G), Jolene_30 (G1), Jolie2_30 (G4), Jonghyun_30 (G1), JorRay_30 (G1), Kareem_30 (G1), Kinbote_35 (Q), Lemuria_31 (G4), Liefie_30 (G1), LilHazelnut_35 (Q), LouisV14_30 (G1), Luke_35 (Q), Luna22_34 (Q), MOOREtheMARYer_31 (G3), MZKinsey_30 (G1), Maliketh_30 (G1), Marmie_30 (G1), Mercurio_32 (G4), Mowgli_30 (G1), Neoh_30 (G), NovoPizza_30 (Q), OBUpride_35 (Q), OctaviousRex_30 (G1), Pace1224_29 (G2), Paito_30 (G1), Peeb_30 (G1), Periodt_30 (G1), Phloodle_30 (G1), Phreak_30 (G1), PinkYoshi_30 (G1), Pinnie_31 (G3), Plagueis_30 (G1), Rabbs_30 (G1), Rattrick_30 (G1),

Remy19_30 (G1), Renaissance_30 (G1), Richarlison_30 (G1), Ruriko_30 (G1), Schiebel_30 (G1), ShaboiShabazz_30 (G1), Sizemore_30 (G1), Sneeze_30 (G1), Stargaze_30 (G5), TinaBug_30 (G1), TomBrady_30 (G1), Ubuntu_35 (Q), Webster2_35 (Q), Weirdo19_31 (AH), Wendigo_30 (G1), Wishmaker_34 (Q), YangYin_30 (G5), ZoMa_30 (G1), Zombie_30 (G1),

Start 17:
• Found in 375 of 476 (78.8%) of genes in pham
• Manual Annotations of this start: 99 of 436
• Called 36.3% of time when present
• Phage (with cluster) where this start called: ABU_16 (B1), Ahwei_15 (B4), Aleia_16 (B1), Anderson_16 (B1), Andre_16 (B1), Antihero_15 (B4), Apex_16 (B4), Apizium_15 (B1), Ashraf_15 (B1), Azuria_15 (B1), Badfish_16 (B1), Banjo_15 (B1), Basato_17 (B1), BatteryCK_15 (B1), BlacksBerry_15 (B1), BobbyK_16 (B4), Caspiboi_15 (B1), Chah_16 (B1), ChrisnMich_15 (B4), Chuni_16 (B1), Colbert_16 (B1), Coletti_16 (B1), Cooper_16 (B4), Cornbread_15 (B1), Daffy_16 (B1), DelRivs_15 (B1), Doddsville_16 (B1), DolOn_17 (B1), DuchessDung_15 (B1), ElvisPhasley_16 (B1), EmGer13_15 (B1), Epah_15 (B4), Eremos_16 (B1), Etaye_16 (B1), Eugenia_16 (B1), Fanaw_16 (B4), Fang_16 (B1), Flake_16 (B1), FluffyNinja_16 (B1), Gophee_16 (B1), GreenChile_16 (B1), Gwennie1_16 (B1), Hally898_15 (B4), Hamish_16 (B1), Happabalu_16 (B1), Harvey_16 (B1), Hekos_15 (B1), HogWash_15 (B1), ImtiyazSitla_15 (B1), Inverness_16 (B1), Iridoclysis_16 (B1), IsaacEli_16 (B1), JDog_15 (B1), JaguarMi_17 (B4), Jbug01_16 (B1), KLucky39_16 (B1), Karn_15 (B1), Katniss_16 (B1), Khan1_15 (B1), Kikipoo_16 (B1), Kiwot_15 (B1), Lambano_15 (B4), Larson_17 (B1), Lasso_16 (B1), Lehmann_16 (B1), LeiMonet_16 (B1), Longacauda_15 (B1), Lopsy_15 (B1), Mana_15 (B1), Manad_15 (B1), Maskar_15 (B1), Megamind20_16 (B1), Megatron_16 (B1), MelsMeow_15 (B1), Mesmerelda_15 (B1), Morgushi_16 (B1), MrPhizzler_16 (B1), Murdoc_16 (B1), Nanao_15 (B4), Nathan_16 (B1), Nehme_15 (B1), Newman_16 (B1), NiaNia_16 (B1), Nigel_14 (B4), Nova1_15 (B1), Numberten_16 (B1), Nyala_15 (B1), OSmaximus_16 (B1), Olive_16 (B1), OliverWalter_16 (B1), OneBrain_16 (B1), Oosterbaan_16 (B1), Orion_16 (B1), Orwigg_15 (B1), PG1_16 (B1), PallasAthena_15 (B1), PhatLouie_16 (B1), Phipps_16 (B1), Pinkman_15 (B1), Pops_16 (B1), Poster_15 (B4), Potter_15 (B1), Prickles_16 (B1), Puhltonio_16 (B1), QueenPie_16 (B4), RawrgerThat_16 (B4), RedRaider89_17 (B1), Rimu_16 (B1), Riverton_16 (B1), Salazzle_15 (B1), SallyH_16 (B1), Scoot17C_16 (B1), Septica_15 (B1), Serendipity_16 (B1), ShadowBud_16 (B1), Sigman_16 (B1), SilverBell_16 (B1), SirBeauregard_15 (B1), Suffolk_16 (B1), Swiphy_16 (B1), Swish_16 (B1), TallGrassMM_16 (B1), Taraxa_16 (B1), Thora_16 (B1), ThreeOh3D2_16 (B1), Thunderbird_15 (B1), TooFast2Furius_17 (B1), Triad_16 (B1), UncleHowie_16 (B1), Vaishali24_15 (B1), Vectra_15 (B1), Virgeve_15 (B1), Vortex_16 (B1), Xincheng_16 (B4), Yoshand_16 (B1), Zemanar_17 (B4),

Summary by clusters:

There are 16 clusters represented in this pham: Q, G5, G4, G3, G2, G1, AH, G, B4, B5, B7, B12, B1, B11, B8, B9,

Info for manual annotations of cluster B1:
•Start number 14 was manually annotated 205 times for cluster B1.
•Start number 17 was manually annotated 92 times for cluster B1.

Info for manual annotations of cluster B11:

•Start number 14 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 14 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B4:
•Start number 14 was manually annotated 21 times for cluster B4.
•Start number 17 was manually annotated 7 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 14 was manually annotated 10 times for cluster B5.

Info for manual annotations of cluster B7:
•Start number 14 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 14 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 14 was manually annotated 4 times for cluster B9.

Info for manual annotations of cluster G:
•Start number 15 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:
•Start number 15 was manually annotated 55 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 15 was manually annotated 4 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 15 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 15 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 15 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster Q:
•Start number 15 was manually annotated 24 times for cluster Q.

Gene Information:

Gene: ABU_16 Start: 13693, Stop: 13992, Start Num: 17
Candidate Starts for ABU_16:
(Start: 14 @13642 has 244 MA's), (Start: 17 @13693 has 99 MA's), (19, 13705), (20, 13708), (22, 13717), (28, 13738), (50, 13933),

Gene: AbsoluteMadLad_15 Start: 13646, Stop: 13996, Start Num: 14
Candidate Starts for AbsoluteMadLad_15:

(Start: 14 @13646 has 244 MA's), (Start: 17 @13697 has 99 MA's), (19, 13709), (20, 13712), (22, 13721), (28, 13742), (50, 13937),

Gene: Acadian_17 Start: 15257, Stop: 15601, Start Num: 14
Candidate Starts for Acadian_17:
(2, 14912), (3, 14999), (10, 15140), (Start: 14 @15257 has 244 MA's), (Start: 17 @15308 has 99 MA's), (21, 15329), (27, 15350), (33, 15389), (39, 15464), (41, 15479), (53, 15563),

Gene: Adriana_16 Start: 13644, Stop: 13994, Start Num: 14
Candidate Starts for Adriana_16:
(Start: 14 @13644 has 244 MA's), (Start: 17 @13695 has 99 MA's), (19, 13707), (20, 13710), (22, 13719), (28, 13740), (50, 13935),

Gene: Aelin_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for Aelin_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Ahwei_15 Start: 14361, Stop: 14681, Start Num: 17
Candidate Starts for Ahwei_15:
(1, 13947), (Start: 14 @14310 has 244 MA's), (Start: 17 @14361 has 99 MA's), (19, 14373), (22, 14385), (27, 14403), (34, 14448), (42, 14559),

Gene: Aleia_16 Start: 13274, Stop: 13573, Start Num: 17
Candidate Starts for Aleia_16:
(Start: 14 @13223 has 244 MA's), (Start: 17 @13274 has 99 MA's), (19, 13286), (20, 13289), (22, 13298), (28, 13319), (50, 13514),

Gene: AltPhacts_16 Start: 13639, Stop: 13989, Start Num: 14
Candidate Starts for AltPhacts_16:
(Start: 14 @13639 has 244 MA's), (Start: 17 @13690 has 99 MA's), (19, 13702), (20, 13705), (22, 13714), (28, 13735), (50, 13930),

Gene: Altwerkus_15 Start: 13339, Stop: 13689, Start Num: 14
Candidate Starts for Altwerkus_15:
(Start: 14 @13339 has 244 MA's), (Start: 17 @13390 has 99 MA's), (19, 13402), (20, 13405), (22, 13414), (28, 13435), (50, 13630),

Gene: Amochick_35 Start: 30022, Stop: 30342, Start Num: 15
Candidate Starts for Amochick_35:
(Start: 15 @30022 has 93 MA's), (23, 30100), (27, 30115), (29, 30127), (32, 30157), (34, 30166), (38, 30202), (39, 30235), (45, 30289),

Gene: Amymech_35 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Amymech_35:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: Anderson_16 Start: 13686, Stop: 13985, Start Num: 17
Candidate Starts for Anderson_16:
(Start: 14 @13635 has 244 MA's), (Start: 17 @13686 has 99 MA's), (19, 13698), (20, 13701), (22, 13710), (28, 13731), (50, 13926),

Gene: Andre_16 Start: 13684, Stop: 13983, Start Num: 17
Candidate Starts for Andre_16:
(Start: 14 @13633 has 244 MA's), (Start: 17 @13684 has 99 MA's), (19, 13696), (20, 13699), (22, 13708), (28, 13729), (50, 13924),

Gene: Angel_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Angel_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: AngelCake_16 Start: 13647, Stop: 13997, Start Num: 14
Candidate Starts for AngelCake_16:
(Start: 14 @13647 has 244 MA's), (Start: 17 @13698 has 99 MA's), (19, 13710), (20, 13713), (22, 13722), (28, 13743), (50, 13938),

Gene: Annihilator_30 Start: 26781, Stop: 27101, Start Num: 15
Candidate Starts for Annihilator_30:
(Start: 15 @26781 has 93 MA's), (20, 26844), (23, 26856), (25, 26862), (27, 26871), (30, 26886), (32, 26907), (33, 26910), (35, 26925), (37, 26940), (38, 26952), (46, 27030), (55, 27090),

Gene: Antihero_15 Start: 14361, Stop: 14681, Start Num: 17
Candidate Starts for Antihero_15:
(1, 13947), (Start: 14 @14310 has 244 MA's), (Start: 17 @14361 has 99 MA's), (19, 14373), (22, 14385), (27, 14403), (34, 14448), (42, 14559),

Gene: Antonia_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for Antonia_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Antsirabe_30 Start: 28475, Stop: 28837, Start Num: 15
Candidate Starts for Antsirabe_30:
(12, 28415), (Start: 15 @28475 has 93 MA's), (24, 28553), (30, 28580), (32, 28601), (33, 28604), (40, 28691),

Gene: Aonishiki_16 Start: 13665, Stop: 14015, Start Num: 14
Candidate Starts for Aonishiki_16:
(Start: 14 @13665 has 244 MA's), (Start: 17 @13716 has 99 MA's), (19, 13728), (20, 13731), (22, 13740), (28, 13761), (50, 13956),

Gene: Apex_16 Start: 15606, Stop: 15926, Start Num: 17
Candidate Starts for Apex_16:
(Start: 14 @15555 has 244 MA's), (Start: 17 @15606 has 99 MA's), (19, 15618), (20, 15621), (22, 15630), (27, 15648), (42, 15804),

Gene: Apizium_15 Start: 13430, Stop: 13729, Start Num: 17
Candidate Starts for Apizium_15:
(Start: 14 @13379 has 244 MA's), (Start: 17 @13430 has 99 MA's), (19, 13442), (20, 13445), (22, 13454), (28, 13475), (50, 13670),

Gene: Aroostook_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Aroostook_30:

(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Ashraf_15 Start: 13248, Stop: 13547, Start Num: 17
Candidate Starts for Ashraf_15:
(Start: 14 @13197 has 244 MA's), (Start: 17 @13248 has 99 MA's), (19, 13260), (20, 13263), (22, 13272), (28, 13293), (50, 13488),

Gene: Austelle_17 Start: 16011, Stop: 16382, Start Num: 14
Candidate Starts for Austelle_17:
(Start: 14 @16011 has 244 MA's), (Start: 17 @16062 has 99 MA's), (19, 16074), (20, 16077), (22, 16086), (27, 16104), (42, 16260),

Gene: Avocado_29 Start: 28477, Stop: 28833, Start Num: 15
Candidate Starts for Avocado_29:
(7, 28282), (Start: 15 @28477 has 93 MA's), (18, 28528), (24, 28555), (27, 28567), (32, 28603), (33, 28606), (40, 28693), (44, 28729), (47, 28753),

Gene: Avrafan_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Avrafan_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Azuria_15 Start: 13712, Stop: 14011, Start Num: 17
Candidate Starts for Azuria_15:
(Start: 14 @13661 has 244 MA's), (Start: 17 @13712 has 99 MA's), (20, 13727), (22, 13736), (28, 13757), (50, 13952),

Gene: BPs_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for BPs_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: BQuat_30 Start: 26781, Stop: 27101, Start Num: 15
Candidate Starts for BQuat_30:
(Start: 15 @26781 has 93 MA's), (20, 26844), (23, 26856), (25, 26862), (27, 26871), (30, 26886), (32, 26907), (33, 26910), (35, 26925), (37, 26940), (38, 26952), (46, 27030), (55, 27090),

Gene: Badfish_16 Start: 13719, Stop: 14018, Start Num: 17
Candidate Starts for Badfish_16:
(Start: 14 @13668 has 244 MA's), (Start: 17 @13719 has 99 MA's), (19, 13731), (20, 13734), (22, 13743), (28, 13764), (50, 13959),

Gene: Baee_17 Start: 15403, Stop: 15747, Start Num: 14
Candidate Starts for Baee_17:
(2, 15058), (3, 15145), (10, 15286), (Start: 14 @15403 has 244 MA's), (Start: 17 @15454 has 99 MA's), (21, 15475), (27, 15496), (41, 15625),

Gene: Banjo_15 Start: 13397, Stop: 13696, Start Num: 17
Candidate Starts for Banjo_15:
(Start: 14 @13346 has 244 MA's), (Start: 17 @13397 has 99 MA's), (19, 13409), (20, 13412), (22, 13421), (28, 13442), (50, 13637),

Gene: Basato_17 Start: 13923, Stop: 14222, Start Num: 17
Candidate Starts for Basato_17:
(Start: 14 @13872 has 244 MA's), (Start: 17 @13923 has 99 MA's), (20, 13938), (22, 13947), (28, 13968), (50, 14163),

Gene: BatteryCK_15 Start: 13254, Stop: 13553, Start Num: 17
Candidate Starts for BatteryCK_15:
(Start: 14 @13203 has 244 MA's), (Start: 17 @13254 has 99 MA's), (19, 13266), (20, 13269), (22, 13278), (28, 13299), (50, 13494),

Gene: Beaglebox_15 Start: 13363, Stop: 13713, Start Num: 14
Candidate Starts for Beaglebox_15:
(Start: 14 @13363 has 244 MA's), (Start: 17 @13414 has 99 MA's), (19, 13426), (20, 13429), (22, 13438), (28, 13459), (50, 13654),

Gene: Bishoperium_15 Start: 13352, Stop: 13702, Start Num: 14
Candidate Starts for Bishoperium_15:
(Start: 14 @13352 has 244 MA's), (Start: 17 @13403 has 99 MA's), (19, 13415), (20, 13418), (22, 13427), (28, 13448), (50, 13643),

Gene: BlackStallion_16 Start: 13654, Stop: 14004, Start Num: 14
Candidate Starts for BlackStallion_16:
(Start: 14 @13654 has 244 MA's), (Start: 17 @13705 has 99 MA's), (19, 13717), (20, 13720), (22, 13729), (28, 13750), (50, 13945),

Gene: BlacksBerry_15 Start: 13408, Stop: 13707, Start Num: 17
Candidate Starts for BlacksBerry_15:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: BloominB_34 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for BloominB_34:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: BlueHusk_16 Start: 13635, Stop: 13985, Start Num: 14
Candidate Starts for BlueHusk_16:
(Start: 14 @13635 has 244 MA's), (Start: 17 @13686 has 99 MA's), (20, 13701), (22, 13710), (28, 13731), (50, 13926),

Gene: Bluephacebaby_15 Start: 13352, Stop: 13702, Start Num: 14
Candidate Starts for Bluephacebaby_15:
(Start: 14 @13352 has 244 MA's), (Start: 17 @13403 has 99 MA's), (19, 13415), (20, 13418), (22, 13427), (28, 13448), (50, 13643),

Gene: BobbyK_16 Start: 15425, Stop: 15745, Start Num: 17
Candidate Starts for BobbyK_16:
(Start: 14 @15374 has 244 MA's), (Start: 17 @15425 has 99 MA's), (19, 15437), (20, 15440), (22, 15449), (27, 15467), (42, 15623),

Gene: Boehler_16 Start: 13662, Stop: 14012, Start Num: 14
Candidate Starts for Boehler_16:

(Start: 14 @13662 has 244 MA's), (Start: 17 @13713 has 99 MA's), (19, 13725), (20, 13728), (22, 13737), (28, 13758), (50, 13953),

Gene: BoogieWoogie_16 Start: 13339, Stop: 13689, Start Num: 14
Candidate Starts for BoogieWoogie_16:
(Start: 14 @13339 has 244 MA's), (Start: 17 @13390 has 99 MA's), (19, 13402), (20, 13405), (22, 13414), (28, 13435), (50, 13630),

Gene: Brilliant_16 Start: 13356, Stop: 13706, Start Num: 14
Candidate Starts for Brilliant_16:
(Start: 14 @13356 has 244 MA's), (Start: 17 @13407 has 99 MA's), (19, 13419), (20, 13422), (22, 13431), (28, 13452), (50, 13647),

Gene: BrownCNA_17 Start: 15628, Stop: 15999, Start Num: 14
Candidate Starts for BrownCNA_17:
(Start: 14 @15628 has 244 MA's), (Start: 17 @15679 has 99 MA's), (19, 15691), (20, 15694), (22, 15703), (27, 15721), (42, 15877),

Gene: BruceB_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for BruceB_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Buckeye_16 Start: 13670, Stop: 14020, Start Num: 14
Candidate Starts for Buckeye_16:
(Start: 14 @13670 has 244 MA's), (Start: 17 @13721 has 99 MA's), (19, 13733), (20, 13736), (22, 13745), (28, 13766), (50, 13961),

Gene: Burr_15 Start: 13352, Stop: 13702, Start Num: 14
Candidate Starts for Burr_15:
(Start: 14 @13352 has 244 MA's), (Start: 17 @13403 has 99 MA's), (19, 13415), (20, 13418), (22, 13427), (28, 13448), (50, 13643),

Gene: CamL_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for CamL_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Cambiare_30 Start: 28945, Stop: 29301, Start Num: 15
Candidate Starts for Cambiare_30:
(4, 28708), (Start: 15 @28945 has 93 MA's), (18, 28996), (24, 29023), (27, 29035), (32, 29071), (33, 29074), (40, 29161), (44, 29197), (47, 29221),

Gene: CampRoach_16 Start: 13641, Stop: 13991, Start Num: 14
Candidate Starts for CampRoach_16:
(Start: 14 @13641 has 244 MA's), (Start: 17 @13692 has 99 MA's), (19, 13704), (20, 13707), (22, 13716), (28, 13737), (50, 13932),

Gene: Cannibal_16 Start: 13635, Stop: 13985, Start Num: 14
Candidate Starts for Cannibal_16:
(Start: 14 @13635 has 244 MA's), (Start: 17 @13686 has 99 MA's), (19, 13698), (20, 13701), (22, 13710), (28, 13731), (50, 13926),

Gene: Carthage_15 Start: 13313, Stop: 13663, Start Num: 14
Candidate Starts for Carthage_15:
(Start: 14 @13313 has 244 MA's), (Start: 17 @13364 has 99 MA's), (19, 13376), (20, 13379), (22, 13388), (28, 13409), (34, 13451), (50, 13604),

Gene: Caspiboi_15 Start: 13408, Stop: 13707, Start Num: 17
Candidate Starts for Caspiboi_15:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: CassieYates_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for CassieYates_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Chaelin_15 Start: 13317, Stop: 13667, Start Num: 14
Candidate Starts for Chaelin_15:
(Start: 14 @13317 has 244 MA's), (Start: 17 @13368 has 99 MA's), (19, 13380), (20, 13383), (22, 13392), (28, 13413), (50, 13608),

Gene: Chah_16 Start: 13720, Stop: 14019, Start Num: 17
Candidate Starts for Chah_16:
(Start: 14 @13669 has 244 MA's), (Start: 17 @13720 has 99 MA's), (19, 13732), (20, 13735), (22, 13744), (28, 13765), (50, 13960),

Gene: Chance64_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Chance64_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Charles1_16 Start: 13632, Stop: 13982, Start Num: 14
Candidate Starts for Charles1_16:
(Start: 14 @13632 has 244 MA's), (Start: 17 @13683 has 99 MA's), (19, 13695), (20, 13698), (22, 13707), (28, 13728), (50, 13923),

Gene: CharlieGBrown_15 Start: 13221, Stop: 13571, Start Num: 14
Candidate Starts for CharlieGBrown_15:
(Start: 14 @13221 has 244 MA's), (Start: 17 @13272 has 99 MA's), (19, 13284), (20, 13287), (22, 13296), (28, 13317), (50, 13512),

Gene: CheetO_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for CheetO_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Cher_15 Start: 13375, Stop: 13725, Start Num: 14
Candidate Starts for Cher_15:
(Start: 14 @13375 has 244 MA's), (Start: 17 @13426 has 99 MA's), (19, 13438), (20, 13441), (22, 13450), (28, 13471), (50, 13666),

Gene: Cherrybomb426_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Cherrybomb426_30:

(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Childish_15 Start: 13363, Stop: 13713, Start Num: 14
Candidate Starts for Childish_15:
(Start: 14 @13363 has 244 MA's), (Start: 17 @13414 has 99 MA's), (19, 13426), (20, 13429), (22, 13438), (28, 13459), (50, 13654),

Gene: Chipette_17 Start: 13873, Stop: 14223, Start Num: 14
Candidate Starts for Chipette_17:
(Start: 14 @13873 has 244 MA's), (Start: 17 @13924 has 99 MA's), (20, 13939), (22, 13948), (28, 13969), (50, 14164),

Gene: Chorkpop_16 Start: 13375, Stop: 13725, Start Num: 14
Candidate Starts for Chorkpop_16:
(Start: 14 @13375 has 244 MA's), (Start: 17 @13426 has 99 MA's), (19, 13438), (20, 13441), (22, 13450), (28, 13471), (50, 13666),

Gene: ChrisnMich_15 Start: 14361, Stop: 14681, Start Num: 17
Candidate Starts for ChrisnMich_15:
(1, 13947), (Start: 14 @14310 has 244 MA's), (Start: 17 @14361 has 99 MA's), (19, 14373), (22, 14385), (27, 14403), (34, 14448), (42, 14559),

Gene: Chuni_16 Start: 13717, Stop: 14016, Start Num: 17
Candidate Starts for Chuni_16:
(Start: 14 @13666 has 244 MA's), (Start: 17 @13717 has 99 MA's), (19, 13729), (20, 13732), (22, 13741), (28, 13762), (50, 13957),

Gene: Chunky_16 Start: 13662, Stop: 14012, Start Num: 14
Candidate Starts for Chunky_16:
(Start: 14 @13662 has 244 MA's), (Start: 17 @13713 has 99 MA's), (20, 13728), (22, 13737), (28, 13758), (50, 13953),

Gene: Chute_16 Start: 13665, Stop: 14015, Start Num: 14
Candidate Starts for Chute_16:
(Start: 14 @13665 has 244 MA's), (Start: 17 @13716 has 99 MA's), (19, 13728), (20, 13731), (22, 13740), (28, 13761), (50, 13956),

Gene: Cloudyecho_30 Start: 28679, Stop: 29038, Start Num: 15
Candidate Starts for Cloudyecho_30:
(Start: 15 @28679 has 93 MA's), (24, 28757), (27, 28769), (32, 28805), (33, 28808), (40, 28895), (44, 28931), (47, 28955),

Gene: Cobra_16 Start: 13653, Stop: 14003, Start Num: 14
Candidate Starts for Cobra_16:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: Colbert_16 Start: 13704, Stop: 14003, Start Num: 17
Candidate Starts for Colbert_16:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: Coleslaw_30 Start: 26781, Stop: 27101, Start Num: 15
Candidate Starts for Coleslaw_30:
(Start: 15 @26781 has 93 MA's), (20, 26844), (23, 26856), (25, 26862), (27, 26871), (30, 26886), (32, 26907), (33, 26910), (35, 26925), (37, 26940), (38, 26952), (46, 27030), (55, 27090),

Gene: Coletti_16 Start: 13716, Stop: 14015, Start Num: 17
Candidate Starts for Coletti_16:
(Start: 14 @13665 has 244 MA's), (Start: 17 @13716 has 99 MA's), (19, 13728), (20, 13731), (22, 13740), (28, 13761), (50, 13956),

Gene: Cooper_16 Start: 14469, Stop: 14792, Start Num: 17
Candidate Starts for Cooper_16:
(Start: 14 @14418 has 244 MA's), (Start: 17 @14469 has 99 MA's), (19, 14481), (27, 14511), (42, 14667), (47, 14703),

Gene: Cornbread_15 Start: 13417, Stop: 13716, Start Num: 17
Candidate Starts for Cornbread_15:
(Start: 14 @13366 has 244 MA's), (Start: 17 @13417 has 99 MA's), (19, 13429), (20, 13432), (22, 13441), (28, 13462), (50, 13657),

Gene: Cornobble_15 Start: 13210, Stop: 13560, Start Num: 14
Candidate Starts for Cornobble_15:
(Start: 14 @13210 has 244 MA's), (Start: 17 @13261 has 99 MA's), (19, 13273), (20, 13276), (22, 13285), (28, 13306), (50, 13501),

Gene: Cosmolli16_15 Start: 13367, Stop: 13717, Start Num: 14
Candidate Starts for Cosmolli16_15:
(Start: 14 @13367 has 244 MA's), (Start: 17 @13418 has 99 MA's), (19, 13430), (20, 13433), (22, 13442), (28, 13463), (50, 13658),

Gene: Craff_16 Start: 13656, Stop: 14006, Start Num: 14
Candidate Starts for Craff_16:
(Start: 14 @13656 has 244 MA's), (Start: 17 @13707 has 99 MA's), (19, 13719), (20, 13722), (22, 13731), (28, 13752), (50, 13947),

Gene: Crownjwl_16 Start: 13423, Stop: 13773, Start Num: 14
Candidate Starts for Crownjwl_16:
(Start: 14 @13423 has 244 MA's), (Start: 17 @13474 has 99 MA's), (20, 13489), (22, 13498), (28, 13519), (50, 13714),

Gene: DMoney_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for DMoney_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: DaddyDaniels_16 Start: 13359, Stop: 13709, Start Num: 14
Candidate Starts for DaddyDaniels_16:
(Start: 14 @13359 has 244 MA's), (Start: 17 @13410 has 99 MA's), (19, 13422), (20, 13425), (22, 13434), (28, 13455), (50, 13650),

Gene: Daegal_36 Start: 30310, Stop: 30630, Start Num: 15
Candidate Starts for Daegal_36:

(Start: 15 @30310 has 93 MA's), (23, 30388), (27, 30403), (29, 30415), (32, 30445), (34, 30454), (38, 30490), (39, 30523), (45, 30577),

Gene: Daffy_16 Start: 13426, Stop: 13725, Start Num: 17
Candidate Starts for Daffy_16:
(Start: 14 @13375 has 244 MA's), (Start: 17 @13426 has 99 MA's), (19, 13438), (20, 13441), (22, 13450), (28, 13471), (50, 13666),

Gene: Daka_16 Start: 13653, Stop: 14003, Start Num: 14
Candidate Starts for Daka_16:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: Darionha_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Darionha_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Dati_16 Start: 13363, Stop: 13713, Start Num: 14
Candidate Starts for Dati_16:
(Start: 14 @13363 has 244 MA's), (Start: 17 @13414 has 99 MA's), (19, 13426), (20, 13429), (22, 13438), (28, 13459), (50, 13654),

Gene: DeepSoil15_35 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for DeepSoil15_35:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: DelRivs_15 Start: 13413, Stop: 13712, Start Num: 17
Candidate Starts for DelRivs_15:
(Start: 14 @13362 has 244 MA's), (Start: 17 @13413 has 99 MA's), (19, 13425), (20, 13428), (22, 13437), (28, 13458), (50, 13653),

Gene: Derpp_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for Derpp_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Dewey_34 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Dewey_34:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: Dice_15 Start: 13350, Stop: 13700, Start Num: 14
Candidate Starts for Dice_15:
(Start: 14 @13350 has 244 MA's), (Start: 17 @13401 has 99 MA's), (19, 13413), (20, 13416), (22, 13425), (28, 13446), (50, 13641),

Gene: DingDing_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for DingDing_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Dingo_16 Start: 13635, Stop: 13985, Start Num: 14
Candidate Starts for Dingo_16:
(Start: 14 @13635 has 244 MA's), (Start: 17 @13686 has 99 MA's), (20, 13701), (22, 13710), (28, 13731), (50, 13926),

Gene: Dione_15 Start: 13351, Stop: 13701, Start Num: 14
Candidate Starts for Dione_15:
(Start: 14 @13351 has 244 MA's), (Start: 17 @13402 has 99 MA's), (19, 13414), (20, 13417), (22, 13426), (28, 13447), (50, 13642),

Gene: DirtJuice_16 Start: 13638, Stop: 13988, Start Num: 14
Candidate Starts for DirtJuice_16:
(Start: 14 @13638 has 244 MA's), (Start: 17 @13689 has 99 MA's), (20, 13704), (22, 13713), (28, 13734), (50, 13929),

Gene: Doddsville_16 Start: 13414, Stop: 13713, Start Num: 17
Candidate Starts for Doddsville_16:
(Start: 14 @13363 has 244 MA's), (Start: 17 @13414 has 99 MA's), (19, 13426), (20, 13429), (22, 13438), (28, 13459), (50, 13654),

Gene: DoesntMatter_16 Start: 13632, Stop: 13982, Start Num: 14
Candidate Starts for DoesntMatter_16:
(Start: 14 @13632 has 244 MA's), (Start: 17 @13683 has 99 MA's), (19, 13695), (20, 13698), (22, 13707), (28, 13728), (50, 13923),

Gene: DolOn_17 Start: 13936, Stop: 14235, Start Num: 17
Candidate Starts for DolOn_17:
(Start: 14 @13885 has 244 MA's), (Start: 17 @13936 has 99 MA's), (19, 13948), (20, 13951), (22, 13960), (28, 13981), (50, 14176),

Gene: DonSanchon_15 Start: 13351, Stop: 13701, Start Num: 14
Candidate Starts for DonSanchon_15:
(Start: 14 @13351 has 244 MA's), (Start: 17 @13402 has 99 MA's), (19, 13414), (20, 13417), (22, 13426), (28, 13447), (50, 13642),

Gene: Donny_17 Start: 15259, Stop: 15603, Start Num: 14
Candidate Starts for Donny_17:
(2, 14914), (3, 15001), (10, 15142), (Start: 14 @15259 has 244 MA's), (Start: 17 @15310 has 99 MA's), (21, 15331), (27, 15352), (33, 15391), (39, 15466), (41, 15481), (53, 15565),

Gene: DuchessDung_15 Start: 13254, Stop: 13553, Start Num: 17
Candidate Starts for DuchessDung_15:
(Start: 14 @13203 has 244 MA's), (Start: 17 @13254 has 99 MA's), (19, 13266), (20, 13269), (22, 13278), (28, 13299), (50, 13494),

Gene: Duggie_15 Start: 13365, Stop: 13715, Start Num: 14
Candidate Starts for Duggie_15:
(Start: 14 @13365 has 244 MA's), (Start: 17 @13416 has 99 MA's), (19, 13428), (20, 13431), (22, 13440), (28, 13461), (50, 13656),

Gene: Durga_16 Start: 13664, Stop: 14014, Start Num: 14
Candidate Starts for Durga_16:

(Start: 14 @13664 has 244 MA's), (Start: 17 @13715 has 99 MA's), (19, 13727), (20, 13730), (22, 13739), (28, 13760), (50, 13955),

Gene: ECartman_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for ECartman_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Ein37_35 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Ein37_35:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: ElvisPhasley_16 Start: 13714, Stop: 14013, Start Num: 17
Candidate Starts for ElvisPhasley_16:
(Start: 14 @13663 has 244 MA's), (Start: 17 @13714 has 99 MA's), (19, 13726), (20, 13729), (22, 13738), (28, 13759), (50, 13954),

Gene: EmGer13_15 Start: 13260, Stop: 13559, Start Num: 17
Candidate Starts for EmGer13_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Emiris_16 Start: 13645, Stop: 13995, Start Num: 14
Candidate Starts for Emiris_16:
(Start: 14 @13645 has 244 MA's), (Start: 17 @13696 has 99 MA's), (19, 13708), (20, 13711), (22, 13720), (28, 13741), (50, 13936),

Gene: EmpTee_16 Start: 13651, Stop: 14001, Start Num: 14
Candidate Starts for EmpTee_16:
(Start: 14 @13651 has 244 MA's), (Start: 17 @13702 has 99 MA's), (19, 13714), (20, 13717), (22, 13726), (28, 13747), (50, 13942),

Gene: Epah_15 Start: 14361, Stop: 14681, Start Num: 17
Candidate Starts for Epah_15:
(1, 13947), (Start: 14 @14310 has 244 MA's), (Start: 17 @14361 has 99 MA's), (19, 14373), (22, 14385), (27, 14403), (34, 14448), (42, 14559),

Gene: Eremos_16 Start: 13701, Stop: 14000, Start Num: 17
Candidate Starts for Eremos_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Etaye_16 Start: 13686, Stop: 13985, Start Num: 17
Candidate Starts for Etaye_16:
(Start: 14 @13635 has 244 MA's), (Start: 17 @13686 has 99 MA's), (19, 13698), (20, 13701), (22, 13710), (28, 13731), (50, 13926),

Gene: Eugenia_16 Start: 13714, Stop: 14013, Start Num: 17
Candidate Starts for Eugenia_16:
(Start: 14 @13663 has 244 MA's), (Start: 17 @13714 has 99 MA's), (19, 13726), (20, 13729), (22, 13738), (28, 13759), (50, 13954),

Gene: Evanesce_34 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Evanesce_34:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: Fanaw_16 Start: 15455, Stop: 15775, Start Num: 17
Candidate Starts for Fanaw_16:
(Start: 14 @15404 has 244 MA's), (Start: 17 @15455 has 99 MA's), (19, 15467), (20, 15470), (22, 15479), (27, 15497), (33, 15536), (42, 15653),

Gene: Fang_16 Start: 13717, Stop: 14016, Start Num: 17
Candidate Starts for Fang_16:
(Start: 14 @13666 has 244 MA's), (Start: 17 @13717 has 99 MA's), (19, 13729), (20, 13732), (22, 13741), (28, 13762), (50, 13957),

Gene: FlagStaff_29 Start: 28264, Stop: 28620, Start Num: 15
Candidate Starts for FlagStaff_29:
(Start: 15 @28264 has 93 MA's), (24, 28342), (27, 28354), (32, 28390), (33, 28393), (40, 28480), (44, 28516), (47, 28540), (56, 28597),

Gene: Flake_16 Start: 13718, Stop: 14017, Start Num: 17
Candidate Starts for Flake_16:
(Start: 14 @13667 has 244 MA's), (Start: 17 @13718 has 99 MA's), (19, 13730), (20, 13733), (22, 13742), (28, 13763), (50, 13958),

Gene: FleetyMac_16 Start: 13648, Stop: 13998, Start Num: 14
Candidate Starts for FleetyMac_16:
(Start: 14 @13648 has 244 MA's), (Start: 17 @13699 has 99 MA's), (19, 13711), (20, 13714), (22, 13723), (28, 13744), (50, 13939),

Gene: FluffyNinja_16 Start: 13705, Stop: 14004, Start Num: 17
Candidate Starts for FluffyNinja_16:
(Start: 14 @13654 has 244 MA's), (Start: 17 @13705 has 99 MA's), (19, 13717), (20, 13720), (22, 13729), (28, 13750), (50, 13945),

Gene: Forge_34 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Forge_34:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: Fortunato_16 Start: 15368, Stop: 15739, Start Num: 14
Candidate Starts for Fortunato_16:
(Start: 14 @15368 has 244 MA's), (Start: 17 @15419 has 99 MA's), (19, 15431), (20, 15434), (22, 15443), (27, 15461), (42, 15617),

Gene: Fozzie_15 Start: 13660, Stop: 14010, Start Num: 14
Candidate Starts for Fozzie_15:
(Start: 14 @13660 has 244 MA's), (Start: 17 @13711 has 99 MA's), (19, 13723), (20, 13726), (22, 13735), (28, 13756), (50, 13951),

Gene: Frankicide_16 Start: 13652, Stop: 14002, Start Num: 14
Candidate Starts for Frankicide_16:

(Start: 14 @13652 has 244 MA's), (Start: 17 @13703 has 99 MA's), (19, 13715), (20, 13718), (22, 13727), (28, 13748), (50, 13943),

Gene: Frederick_16 Start: 15377, Stop: 15748, Start Num: 14
Candidate Starts for Frederick_16:
(Start: 14 @15377 has 244 MA's), (Start: 17 @15428 has 99 MA's), (19, 15440), (20, 15443), (22, 15452), (27, 15470), (42, 15626),

Gene: FremontTroll_15 Start: 13349, Stop: 13699, Start Num: 14
Candidate Starts for FremontTroll_15:
(Start: 14 @13349 has 244 MA's), (Start: 17 @13400 has 99 MA's), (19, 13412), (20, 13415), (22, 13424), (28, 13445), (50, 13640),

Gene: Freya_15 Start: 13346, Stop: 13696, Start Num: 14
Candidate Starts for Freya_15:
(Start: 14 @13346 has 244 MA's), (Start: 17 @13397 has 99 MA's), (19, 13409), (20, 13412), (22, 13421), (28, 13442), (50, 13637),

Gene: FriarPreacher_16 Start: 13671, Stop: 14021, Start Num: 14
Candidate Starts for FriarPreacher_16:
(Start: 14 @13671 has 244 MA's), (Start: 17 @13722 has 99 MA's), (19, 13734), (20, 13737), (22, 13746), (28, 13767), (50, 13962),

Gene: Fringe_16 Start: 13633, Stop: 13983, Start Num: 14
Candidate Starts for Fringe_16:
(Start: 14 @13633 has 244 MA's), (Start: 17 @13684 has 99 MA's), (19, 13696), (20, 13699), (22, 13708), (28, 13729), (50, 13924),

Gene: Frosty24_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Frosty24_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: FugateOSU_15 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for FugateOSU_15:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Funsized_20 Start: 17389, Stop: 17733, Start Num: 14
Candidate Starts for Funsized_20:
(Start: 14 @17389 has 244 MA's), (20, 17455), (25, 17473), (29, 17494), (59, 17713),

Gene: Gancho_34 Start: 29739, Stop: 30059, Start Num: 15
Candidate Starts for Gancho_34:
(Start: 15 @29739 has 93 MA's), (23, 29817), (27, 29832), (29, 29844), (32, 29874), (34, 29883), (38, 29919), (39, 29952), (45, 30006),

Gene: Gareth_15 Start: 13354, Stop: 13704, Start Num: 14
Candidate Starts for Gareth_15:
(Start: 14 @13354 has 244 MA's), (Start: 17 @13405 has 99 MA's), (19, 13417), (20, 13420), (22, 13429), (28, 13450), (50, 13645),

Gene: GeneCoco_16 Start: 13656, Stop: 14006, Start Num: 14

Candidate Starts for GeneCoco_16:
(Start: 14 @13656 has 244 MA's), (Start: 17 @13707 has 99 MA's), (19, 13719), (20, 13722), (22, 13731), (28, 13752), (50, 13947),

Gene: Gideon_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Gideon_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Giles_34 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Giles_34:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: GinPorsche_15 Start: 14310, Stop: 14681, Start Num: 14
Candidate Starts for GinPorsche_15:
(1, 13947), (Start: 14 @14310 has 244 MA's), (Start: 17 @14361 has 99 MA's), (19, 14373), (22, 14385), (27, 14403), (34, 14448), (42, 14559),

Gene: Giraffe_16 Start: 13358, Stop: 13708, Start Num: 14
Candidate Starts for Giraffe_16:
(Start: 14 @13358 has 244 MA's), (Start: 17 @13409 has 99 MA's), (19, 13421), (20, 13424), (22, 13433), (28, 13454), (50, 13649),

Gene: GodSpeed_29 Start: 28288, Stop: 28644, Start Num: 15
Candidate Starts for GodSpeed_29:
(Start: 15 @28288 has 93 MA's), (24, 28366), (27, 28378), (32, 28414), (33, 28417), (40, 28504), (44, 28540), (47, 28564),

Gene: GoldenAsh_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for GoldenAsh_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Gomashi_30 Start: 26791, Stop: 27111, Start Num: 15
Candidate Starts for Gomashi_30:
(Start: 15 @26791 has 93 MA's), (20, 26854), (23, 26866), (25, 26872), (27, 26881), (30, 26896), (32, 26917), (33, 26920), (35, 26935), (37, 26950), (38, 26962), (46, 27040), (55, 27100),

Gene: Gophee_16 Start: 13686, Stop: 13985, Start Num: 17
Candidate Starts for Gophee_16:
(Start: 14 @13635 has 244 MA's), (Start: 17 @13686 has 99 MA's), (19, 13698), (20, 13701), (22, 13710), (28, 13731), (50, 13926),

Gene: Grand2040_15 Start: 13373, Stop: 13723, Start Num: 14
Candidate Starts for Grand2040_15:
(Start: 14 @13373 has 244 MA's), (Start: 17 @13424 has 99 MA's), (19, 13436), (20, 13439), (22, 13448), (28, 13469), (50, 13664),

Gene: Gravaillia_34 Start: 29745, Stop: 30065, Start Num: 15
Candidate Starts for Gravaillia_34:
(Start: 15 @29745 has 93 MA's), (23, 29823), (27, 29838), (29, 29850), (32, 29880), (34, 29889), (38, 29925), (39, 29958), (45, 30012),

Gene: GreenChile_16 Start: 13703, Stop: 14002, Start Num: 17
Candidate Starts for GreenChile_16:
(Start: 14 @13652 has 244 MA's), (Start: 17 @13703 has 99 MA's), (19, 13715), (20, 13718), (22, 13727), (28, 13748), (50, 13943),

Gene: Gwennie1_16 Start: 13725, Stop: 14024, Start Num: 17
Candidate Starts for Gwennie1_16:
(Start: 14 @13674 has 244 MA's), (Start: 17 @13725 has 99 MA's), (19, 13737), (20, 13740), (22, 13749), (28, 13770), (50, 13965),

Gene: Gwilliam_16 Start: 13647, Stop: 13997, Start Num: 14
Candidate Starts for Gwilliam_16:
(Start: 14 @13647 has 244 MA's), (Start: 17 @13698 has 99 MA's), (19, 13710), (20, 13713), (22, 13722), (28, 13743), (50, 13938),

Gene: Gyarad_0016 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for Gyarad_0016:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: HH92_34 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for HH92_34:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: HSavage_16 Start: 13658, Stop: 14008, Start Num: 14
Candidate Starts for HSavage_16:
(Start: 14 @13658 has 244 MA's), (Start: 17 @13709 has 99 MA's), (19, 13721), (20, 13724), (22, 13733), (28, 13754), (50, 13949),

Gene: Hadrien_35 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Hadrien_35:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: Hail_34 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Hail_34:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: Haimas_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for Haimas_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Haleema_15 Start: 13375, Stop: 13725, Start Num: 14
Candidate Starts for Haleema_15:
(Start: 14 @13375 has 244 MA's), (Start: 17 @13426 has 99 MA's), (19, 13438), (20, 13441), (22, 13450), (28, 13471), (50, 13666),

Gene: Hally898_15 Start: 14361, Stop: 14681, Start Num: 17
Candidate Starts for Hally898_15:

(1, 13947), (Start: 14 @14310 has 244 MA's), (Start: 17 @14361 has 99 MA's), (19, 14373), (22, 14385), (27, 14403), (34, 14448), (42, 14559),

Gene: Halo_30 Start: 26785, Stop: 27105, Start Num: 15
Candidate Starts for Halo_30:
(Start: 15 @26785 has 93 MA's), (20, 26848), (23, 26860), (25, 26866), (27, 26875), (30, 26890), (32, 26911), (33, 26914), (35, 26929), (37, 26944), (38, 26956), (46, 27034), (55, 27094),

Gene: Hamish_16 Start: 13695, Stop: 13994, Start Num: 17
Candidate Starts for Hamish_16:
(Start: 14 @13644 has 244 MA's), (Start: 17 @13695 has 99 MA's), (19, 13707), (20, 13710), (22, 13719), (28, 13740), (50, 13935),

Gene: Hangman_16 Start: 15377, Stop: 15748, Start Num: 14
Candidate Starts for Hangman_16:
(Start: 14 @15377 has 244 MA's), (Start: 17 @15428 has 99 MA's), (19, 15440), (20, 15443), (22, 15452), (27, 15470), (33, 15509), (42, 15626),

Gene: Happabalu_16 Start: 13395, Stop: 13694, Start Num: 17
Candidate Starts for Happabalu_16:
(Start: 14 @13344 has 244 MA's), (Start: 17 @13395 has 99 MA's), (19, 13407), (20, 13410), (22, 13419), (28, 13440), (50, 13635),

Gene: Hartsy_16 Start: 13647, Stop: 13997, Start Num: 14
Candidate Starts for Hartsy_16:
(Start: 14 @13647 has 244 MA's), (Start: 17 @13698 has 99 MA's), (19, 13710), (20, 13713), (22, 13722), (28, 13743), (50, 13938),

Gene: Harvey_16 Start: 13723, Stop: 14022, Start Num: 17
Candidate Starts for Harvey_16:
(Start: 14 @13672 has 244 MA's), (Start: 17 @13723 has 99 MA's), (19, 13735), (20, 13738), (22, 13747), (28, 13768), (50, 13963),

Gene: Heath_16 Start: 15374, Stop: 15745, Start Num: 14
Candidate Starts for Heath_16:
(Start: 14 @15374 has 244 MA's), (Start: 17 @15425 has 99 MA's), (19, 15437), (20, 15440), (22, 15449), (27, 15467), (33, 15506), (42, 15623),

Gene: Hekos_15 Start: 13425, Stop: 13724, Start Num: 17
Candidate Starts for Hekos_15:
(Start: 14 @13374 has 244 MA's), (Start: 17 @13425 has 99 MA's), (19, 13437), (20, 13440), (22, 13449), (28, 13470), (50, 13665),

Gene: Held_16 Start: 13358, Stop: 13708, Start Num: 14
Candidate Starts for Held_16:
(Start: 14 @13358 has 244 MA's), (Start: 17 @13409 has 99 MA's), (19, 13421), (20, 13424), (22, 13433), (28, 13454), (50, 13649),

Gene: HenryJackson_15 Start: 13372, Stop: 13722, Start Num: 14
Candidate Starts for HenryJackson_15:
(Start: 14 @13372 has 244 MA's), (Start: 17 @13423 has 99 MA's), (19, 13435), (20, 13438), (22, 13447), (28, 13468), (50, 13663),

Gene: Hertubise_16 Start: 13665, Stop: 14015, Start Num: 14
Candidate Starts for Hertubise_16:
(Start: 14 @13665 has 244 MA's), (Start: 17 @13716 has 99 MA's), (19, 13728), (20, 13731), (22, 13740), (28, 13761), (50, 13956),

Gene: Hetaeria_16 Start: 13668, Stop: 14018, Start Num: 14
Candidate Starts for Hetaeria_16:
(Start: 14 @13668 has 244 MA's), (Start: 17 @13719 has 99 MA's), (19, 13731), (20, 13734), (22, 13743), (28, 13764), (50, 13959),

Gene: HighStump_15 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for HighStump_15:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Hocus_15 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for Hocus_15:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: HogWash_15 Start: 13704, Stop: 14003, Start Num: 17
Candidate Starts for HogWash_15:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: Hope_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Hope_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Horchata_16 Start: 13637, Stop: 13987, Start Num: 14
Candidate Starts for Horchata_16:
(Start: 14 @13637 has 244 MA's), (Start: 17 @13688 has 99 MA's), (20, 13703), (22, 13712), (28, 13733), (50, 13928),

Gene: Hydro_16 Start: 15374, Stop: 15745, Start Num: 14
Candidate Starts for Hydro_16:
(Start: 14 @15374 has 244 MA's), (Start: 17 @15425 has 99 MA's), (19, 15437), (20, 15440), (22, 15449), (27, 15467), (33, 15506), (42, 15623),

Gene: ImtiyazSitla_15 Start: 13248, Stop: 13547, Start Num: 17
Candidate Starts for ImtiyazSitla_15:
(Start: 14 @13197 has 244 MA's), (Start: 17 @13248 has 99 MA's), (19, 13260), (20, 13263), (22, 13272), (28, 13293), (50, 13488),

Gene: Inchworm_16 Start: 13641, Stop: 13991, Start Num: 14
Candidate Starts for Inchworm_16:
(Start: 14 @13641 has 244 MA's), (Start: 17 @13692 has 99 MA's), (19, 13704), (20, 13707), (22, 13716), (28, 13737), (50, 13932),

Gene: Indlovu_16 Start: 15203, Stop: 15598, Start Num: 14
Candidate Starts for Indlovu_16:

(Start: 14 @15203 has 244 MA's), (Start: 17 @15254 has 99 MA's), (19, 15266), (54, 15521), (55, 15533), (57, 15545),

Gene: Inverness_16 Start: 13709, Stop: 14008, Start Num: 17
Candidate Starts for Inverness_16:
(Start: 14 @13658 has 244 MA's), (Start: 17 @13709 has 99 MA's), (19, 13721), (20, 13724), (22, 13733), (28, 13754), (50, 13949),

Gene: Iridessa_16 Start: 13326, Stop: 13676, Start Num: 14
Candidate Starts for Iridessa_16:
(Start: 14 @13326 has 244 MA's), (Start: 17 @13377 has 99 MA's), (19, 13389), (20, 13392), (22, 13401), (28, 13422), (50, 13617),

Gene: Iridoclysis_16 Start: 13681, Stop: 13980, Start Num: 17
Candidate Starts for Iridoclysis_16:
(Start: 14 @13630 has 244 MA's), (Start: 17 @13681 has 99 MA's), (19, 13693), (20, 13696), (22, 13705), (28, 13726), (50, 13921),

Gene: IsaacEli_16 Start: 13713, Stop: 14012, Start Num: 17
Candidate Starts for IsaacEli_16:
(Start: 14 @13662 has 244 MA's), (Start: 17 @13713 has 99 MA's), (19, 13725), (20, 13728), (22, 13737), (28, 13758), (50, 13953),

Gene: JAMaL_16 Start: 15558, Stop: 15929, Start Num: 14
Candidate Starts for JAMaL_16:
(Start: 14 @15558 has 244 MA's), (Start: 17 @15609 has 99 MA's), (19, 15621), (22, 15633), (33, 15690), (34, 15696), (42, 15807), (43, 15816), (47, 15840),

Gene: JDog_15 Start: 13416, Stop: 13715, Start Num: 17
Candidate Starts for JDog_15:
(Start: 14 @13365 has 244 MA's), (Start: 17 @13416 has 99 MA's), (19, 13428), (20, 13431), (22, 13440), (28, 13461), (50, 13656),

Gene: JacAttac_16 Start: 13641, Stop: 13991, Start Num: 14
Candidate Starts for JacAttac_16:
(Start: 14 @13641 has 244 MA's), (Start: 17 @13692 has 99 MA's), (19, 13704), (20, 13707), (22, 13716), (28, 13737), (50, 13932),

Gene: JaguarMi_17 Start: 15255, Stop: 15575, Start Num: 17
Candidate Starts for JaguarMi_17:
(Start: 14 @15204 has 244 MA's), (Start: 17 @15255 has 99 MA's), (19, 15267), (22, 15279), (27, 15297), (33, 15336), (42, 15453),

Gene: JakeO_15 Start: 13365, Stop: 13715, Start Num: 14
Candidate Starts for JakeO_15:
(Start: 14 @13365 has 244 MA's), (Start: 17 @13416 has 99 MA's), (19, 13428), (20, 13431), (22, 13440), (28, 13461), (50, 13656),

Gene: Jane_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Jane_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: JangoPhett_16 Start: 13642, Stop: 13992, Start Num: 14
Candidate Starts for JangoPhett_16:
(Start: 14 @13642 has 244 MA's), (Start: 17 @13693 has 99 MA's), (19, 13705), (20, 13708), (22, 13717), (28, 13738), (50, 13933),

Gene: Jbug01_16 Start: 13280, Stop: 13579, Start Num: 17
Candidate Starts for Jbug01_16:
(Start: 14 @13229 has 244 MA's), (Start: 17 @13280 has 99 MA's), (19, 13292), (20, 13295), (22, 13304), (28, 13325), (50, 13520),

Gene: Jeilious_30 Start: 26789, Stop: 27109, Start Num: 15
Candidate Starts for Jeilious_30:
(Start: 15 @26789 has 93 MA's), (20, 26852), (23, 26864), (25, 26870), (27, 26879), (30, 26894), (32, 26915), (33, 26918), (35, 26933), (37, 26948), (38, 26960), (46, 27038), (55, 27098),

Gene: Jesabah_16 Start: 13370, Stop: 13720, Start Num: 14
Candidate Starts for Jesabah_16:
(Start: 14 @13370 has 244 MA's), (Start: 17 @13421 has 99 MA's), (19, 13433), (20, 13436), (22, 13445), (28, 13466), (50, 13661),

Gene: Jillium_15 Start: 13363, Stop: 13713, Start Num: 14
Candidate Starts for Jillium_15:
(Start: 14 @13363 has 244 MA's), (Start: 17 @13414 has 99 MA's), (19, 13426), (20, 13429), (22, 13438), (28, 13459), (50, 13654),

Gene: Jiminy_15 Start: 13205, Stop: 13555, Start Num: 14
Candidate Starts for Jiminy_15:
(Start: 14 @13205 has 244 MA's), (Start: 17 @13256 has 99 MA's), (19, 13268), (20, 13271), (22, 13280), (28, 13301), (50, 13496),

Gene: Jiraiya_15 Start: 13365, Stop: 13715, Start Num: 14
Candidate Starts for Jiraiya_15:
(Start: 14 @13365 has 244 MA's), (Start: 17 @13416 has 99 MA's), (20, 13431), (22, 13440), (28, 13461), (50, 13656),

Gene: Jolene_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Jolene_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Jolie2_30 Start: 27308, Stop: 27706, Start Num: 15
Candidate Starts for Jolie2_30:
(Start: 15 @27308 has 93 MA's), (24, 27386), (27, 27398), (30, 27413), (32, 27434), (33, 27437), (35, 27452), (40, 27524), (44, 27560),

Gene: Jonghyun_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Jonghyun_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: JorRay_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for JorRay_30:

(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: JoyceMaria_16 Start: 15377, Stop: 15748, Start Num: 14
Candidate Starts for JoyceMaria_16:
(Start: 14 @15377 has 244 MA's), (Start: 17 @15428 has 99 MA's), (19, 15440), (20, 15443), (22, 15452), (27, 15470), (42, 15626),

Gene: KLucky39_16 Start: 13701, Stop: 14000, Start Num: 17
Candidate Starts for KLucky39_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Kahve_15 Start: 13372, Stop: 13722, Start Num: 14
Candidate Starts for Kahve_15:
(Start: 14 @13372 has 244 MA's), (Start: 17 @13423 has 99 MA's), (19, 13435), (20, 13438), (22, 13447), (28, 13468), (50, 13663),

Gene: Kailash_16 Start: 13659, Stop: 14009, Start Num: 14
Candidate Starts for Kailash_16:
(Start: 14 @13659 has 244 MA's), (Start: 17 @13710 has 99 MA's), (19, 13722), (20, 13725), (22, 13734), (28, 13755), (50, 13950),

Gene: Kareem_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Kareem_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Karn_15 Start: 13416, Stop: 13715, Start Num: 17
Candidate Starts for Karn_15:
(Start: 14 @13365 has 244 MA's), (Start: 17 @13416 has 99 MA's), (19, 13428), (20, 13431), (22, 13440), (28, 13461),

Gene: Katniss_16 Start: 13720, Stop: 14019, Start Num: 17
Candidate Starts for Katniss_16:
(Start: 14 @13669 has 244 MA's), (Start: 17 @13720 has 99 MA's), (19, 13732), (20, 13735), (22, 13744), (28, 13765), (50, 13960),

Gene: Keitherie_16 Start: 13670, Stop: 14020, Start Num: 14
Candidate Starts for Keitherie_16:
(Start: 14 @13670 has 244 MA's), (Start: 17 @13721 has 99 MA's), (19, 13733), (20, 13736), (22, 13745), (28, 13766), (50, 13961),

Gene: Khan1_15 Start: 13416, Stop: 13715, Start Num: 17
Candidate Starts for Khan1_15:
(Start: 14 @13365 has 244 MA's), (Start: 17 @13416 has 99 MA's), (19, 13428), (20, 13431), (22, 13440), (28, 13461), (50, 13656),

Gene: Kikipoo_16 Start: 13713, Stop: 14012, Start Num: 17
Candidate Starts for Kikipoo_16:
(Start: 14 @13662 has 244 MA's), (Start: 17 @13713 has 99 MA's), (19, 13725), (20, 13728), (22, 13737), (28, 13758), (50, 13953),

Gene: Kimbrough_16 Start: 13360, Stop: 13710, Start Num: 14
Candidate Starts for Kimbrough_16:
(Start: 14 @13360 has 244 MA's), (Start: 17 @13411 has 99 MA's), (19, 13423), (20, 13426), (22, 13435), (28, 13456), (50, 13651),

Gene: Kinbote_35 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Kinbote_35:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: KingTut_15 Start: 13352, Stop: 13702, Start Num: 14
Candidate Starts for KingTut_15:
(Start: 14 @13352 has 244 MA's), (Start: 17 @13403 has 99 MA's), (19, 13415), (20, 13418), (22, 13427), (28, 13448), (50, 13643),

Gene: KingVeVeVe_16 Start: 13639, Stop: 13989, Start Num: 14
Candidate Starts for KingVeVeVe_16:
(Start: 14 @13639 has 244 MA's), (Start: 17 @13690 has 99 MA's), (20, 13705), (22, 13714), (28, 13735), (50, 13930),

Gene: Kiwot_15 Start: 13262, Stop: 13561, Start Num: 17
Candidate Starts for Kiwot_15:
(Start: 14 @13211 has 244 MA's), (Start: 17 @13262 has 99 MA's), (19, 13274), (20, 13277), (22, 13286), (28, 13307), (50, 13502),

Gene: KlimbOn_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for KlimbOn_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Kloppinator_16 Start: 13666, Stop: 14016, Start Num: 14
Candidate Starts for Kloppinator_16:
(Start: 14 @13666 has 244 MA's), (Start: 17 @13717 has 99 MA's), (19, 13729), (20, 13732), (22, 13741), (28, 13762), (50, 13957),

Gene: Knocker_20 Start: 17715, Stop: 18101, Start Num: 14
Candidate Starts for Knocker_20:
(Start: 14 @17715 has 244 MA's), (27, 17808), (28, 17811), (52, 18000),

Gene: Kwadwo_15 Start: 13351, Stop: 13701, Start Num: 14
Candidate Starts for Kwadwo_15:
(Start: 14 @13351 has 244 MA's), (Start: 17 @13402 has 99 MA's), (19, 13414), (20, 13417), (22, 13426), (28, 13447), (50, 13642),

Gene: Kwksand96_15 Start: 13215, Stop: 13565, Start Num: 14
Candidate Starts for Kwksand96_15:
(Start: 14 @13215 has 244 MA's), (Start: 17 @13266 has 99 MA's), (19, 13278), (20, 13281), (22, 13290), (28, 13311), (50, 13506),

Gene: Labeouficaum_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for Labeouficaum_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Lambano_15 Start: 14361, Stop: 14681, Start Num: 17
Candidate Starts for Lambano_15:
(1, 13947), (Start: 14 @14310 has 244 MA's), (Start: 17 @14361 has 99 MA's), (19, 14373), (22, 14385), (27, 14403), (34, 14448), (42, 14559),

Gene: Larson_17 Start: 13718, Stop: 14017, Start Num: 17
Candidate Starts for Larson_17:
(Start: 14 @13667 has 244 MA's), (Start: 17 @13718 has 99 MA's), (19, 13730), (20, 13733), (22, 13742), (28, 13763), (50, 13958),

Gene: LasagnaCat_16 Start: 13653, Stop: 14003, Start Num: 14
Candidate Starts for LasagnaCat_16:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: Lasso_16 Start: 13680, Stop: 13979, Start Num: 17
Candidate Starts for Lasso_16:
(Start: 14 @13629 has 244 MA's), (Start: 17 @13680 has 99 MA's), (19, 13692), (20, 13695), (22, 13704), (28, 13725), (50, 13920),

Gene: LeeLot_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for LeeLot_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Lego3393_16 Start: 13666, Stop: 14016, Start Num: 14
Candidate Starts for Lego3393_16:
(Start: 14 @13666 has 244 MA's), (Start: 17 @13717 has 99 MA's), (19, 13729), (20, 13732), (22, 13741), (28, 13762), (50, 13957),

Gene: Legolas_15 Start: 13367, Stop: 13717, Start Num: 14
Candidate Starts for Legolas_15:
(Start: 14 @13367 has 244 MA's), (Start: 17 @13418 has 99 MA's), (19, 13430), (20, 13433), (22, 13442), (28, 13463), (50, 13658),

Gene: Lehmann_16 Start: 13245, Stop: 13544, Start Num: 17
Candidate Starts for Lehmann_16:
(Start: 14 @13194 has 244 MA's), (Start: 17 @13245 has 99 MA's), (19, 13257), (20, 13260), (22, 13269), (28, 13290), (50, 13485),

Gene: LeiMonet_16 Start: 13410, Stop: 13709, Start Num: 17
Candidate Starts for LeiMonet_16:
(Start: 14 @13359 has 244 MA's), (Start: 17 @13410 has 99 MA's), (19, 13422), (20, 13425), (22, 13434), (28, 13455), (50, 13650),

Gene: LemonSlice_16 Start: 13361, Stop: 13711, Start Num: 14
Candidate Starts for LemonSlice_16:
(Start: 14 @13361 has 244 MA's), (Start: 17 @13412 has 99 MA's), (19, 13424), (20, 13427), (22, 13436), (28, 13457), (50, 13652),

Gene: Lemuria_31 Start: 28466, Stop: 28822, Start Num: 15
Candidate Starts for Lemuria_31:

(11, 28391), (Start: 15 @28466 has 93 MA's), (24, 28547), (27, 28559), (32, 28595), (33, 28598), (34, 28604), (40, 28685), (44, 28721), (56, 28802),

Gene: Liefie_30 Start: 26788, Stop: 27108, Start Num: 15
Candidate Starts for Liefie_30:
(Start: 15 @26788 has 93 MA's), (20, 26851), (23, 26863), (25, 26869), (27, 26878), (30, 26893), (32, 26914), (33, 26917), (35, 26932), (37, 26947), (38, 26959), (46, 27037), (55, 27097),

Gene: LilHazelnut_35 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for LilHazelnut_35:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: LilMcDreamy_16 Start: 15832, Stop: 16200, Start Num: 14
Candidate Starts for LilMcDreamy_16:
(Start: 14 @15832 has 244 MA's), (20, 15898), (24, 15913), (25, 15916), (29, 15937), (33, 15964), (39, 16039), (46, 16105), (47, 16111),

Gene: LittleDigger_15 Start: 14317, Stop: 14688, Start Num: 14
Candidate Starts for LittleDigger_15:
(1, 13954), (Start: 14 @14317 has 244 MA's), (Start: 17 @14368 has 99 MA's), (19, 14380), (22, 14392), (27, 14410), (34, 14455), (42, 14566),

Gene: Lolalove_16 Start: 15374, Stop: 15745, Start Num: 14
Candidate Starts for Lolalove_16:
(Start: 14 @15374 has 244 MA's), (Start: 17 @15425 has 99 MA's), (19, 15437), (20, 15440), (22, 15449), (27, 15467), (42, 15623),

Gene: Longacauda_15 Start: 13404, Stop: 13703, Start Num: 17
Candidate Starts for Longacauda_15:
(Start: 14 @13353 has 244 MA's), (Start: 17 @13404 has 99 MA's), (19, 13416), (20, 13419), (22, 13428), (28, 13449), (50, 13644),

Gene: Lopsy_15 Start: 13260, Stop: 13559, Start Num: 17
Candidate Starts for Lopsy_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: LostAndPhound_15 Start: 13363, Stop: 13713, Start Num: 14
Candidate Starts for LostAndPhound_15:
(Start: 14 @13363 has 244 MA's), (Start: 17 @13414 has 99 MA's), (19, 13426), (20, 13429), (22, 13438), (28, 13459), (50, 13654),

Gene: LouisV14_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for LouisV14_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: LuckyMarjie_15 Start: 13375, Stop: 13725, Start Num: 14
Candidate Starts for LuckyMarjie_15:
(Start: 14 @13375 has 244 MA's), (Start: 17 @13426 has 99 MA's), (19, 13438), (20, 13441), (22, 13450), (28, 13471), (50, 13666),

Gene: Luke_35 Start: 29971, Stop: 30291, Start Num: 15
Candidate Starts for Luke_35:
(Start: 15 @29971 has 93 MA's), (23, 30049), (27, 30064), (29, 30076), (32, 30106), (34, 30115), (38, 30151), (39, 30184), (45, 30238),

Gene: Lulumae_15 Start: 13352, Stop: 13702, Start Num: 14
Candidate Starts for Lulumae_15:
(Start: 14 @13352 has 244 MA's), (Start: 17 @13403 has 99 MA's), (19, 13415), (20, 13418), (22, 13427), (28, 13448), (50, 13643),

Gene: Lulwa_16 Start: 13641, Stop: 13991, Start Num: 14
Candidate Starts for Lulwa_16:
(Start: 14 @13641 has 244 MA's), (Start: 17 @13692 has 99 MA's), (20, 13707), (22, 13716), (28, 13737), (50, 13932),

Gene: Lumine_15 Start: 13345, Stop: 13695, Start Num: 14
Candidate Starts for Lumine_15:
(Start: 14 @13345 has 244 MA's), (Start: 17 @13396 has 99 MA's), (19, 13408), (20, 13411), (22, 13420), (28, 13441), (50, 13636),

Gene: Luna22_34 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Luna22_34:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: MOOREtheMARYer_31 Start: 28761, Stop: 29120, Start Num: 15
Candidate Starts for MOOREtheMARYer_31:
(Start: 15 @28761 has 93 MA's), (24, 28839), (27, 28851), (32, 28887), (33, 28890), (40, 28977), (44, 29013), (56, 29094),

Gene: MRabcd_15 Start: 13354, Stop: 13704, Start Num: 14
Candidate Starts for MRabcd_15:
(Start: 14 @13354 has 244 MA's), (Start: 17 @13405 has 99 MA's), (19, 13417), (20, 13420), (22, 13429), (28, 13450), (50, 13645),

Gene: MZKinsey_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for MZKinsey_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Mag7_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for Mag7_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Magic8_16 Start: 13647, Stop: 13997, Start Num: 14
Candidate Starts for Magic8_16:
(Start: 14 @13647 has 244 MA's), (Start: 17 @13698 has 99 MA's), (19, 13710), (20, 13713), (22, 13722), (28, 13743), (50, 13938),

Gene: Magpie_16 Start: 15559, Stop: 15933, Start Num: 14
Candidate Starts for Magpie_16:

(Start: 14 @15559 has 244 MA's), (Start: 17 @15610 has 99 MA's), (19, 15622), (20, 15625), (22, 15634), (27, 15652), (42, 15808),

Gene: Maliketh_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Maliketh_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Mana_15 Start: 13408, Stop: 13707, Start Num: 17
Candidate Starts for Mana_15:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Manad_15 Start: 13258, Stop: 13557, Start Num: 17
Candidate Starts for Manad_15:
(Start: 14 @13207 has 244 MA's), (Start: 17 @13258 has 99 MA's), (20, 13273), (22, 13282), (28, 13303), (50, 13498),

Gene: Marmie_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Marmie_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Maru_15 Start: 13355, Stop: 13705, Start Num: 14
Candidate Starts for Maru_15:
(Start: 14 @13355 has 244 MA's), (Start: 17 @13406 has 99 MA's), (19, 13418), (20, 13421), (22, 13430), (28, 13451), (50, 13646),

Gene: Maskar_15 Start: 13248, Stop: 13547, Start Num: 17
Candidate Starts for Maskar_15:
(Start: 14 @13197 has 244 MA's), (Start: 17 @13248 has 99 MA's), (19, 13260), (20, 13263), (22, 13272), (28, 13293), (50, 13488),

Gene: Matalotodo_16 Start: 13645, Stop: 13995, Start Num: 14
Candidate Starts for Matalotodo_16:
(Start: 14 @13645 has 244 MA's), (Start: 17 @13696 has 99 MA's), (19, 13708), (20, 13711), (22, 13720), (28, 13741), (50, 13936),

Gene: Mcshane_15 Start: 13351, Stop: 13701, Start Num: 14
Candidate Starts for Mcshane_15:
(Start: 14 @13351 has 244 MA's), (Start: 17 @13402 has 99 MA's), (19, 13414), (20, 13417), (22, 13426), (28, 13447), (50, 13642),

Gene: Mecca_15 Start: 13348, Stop: 13698, Start Num: 14
Candidate Starts for Mecca_15:
(Start: 14 @13348 has 244 MA's), (Start: 17 @13399 has 99 MA's), (19, 13411), (20, 13414), (22, 13423), (28, 13444), (50, 13639),

Gene: Megamind20_16 Start: 13421, Stop: 13720, Start Num: 17
Candidate Starts for Megamind20_16:
(Start: 14 @13370 has 244 MA's), (Start: 17 @13421 has 99 MA's), (19, 13433), (20, 13436), (22, 13445), (28, 13466), (50, 13661),

Gene: Megatron_16 Start: 13701, Stop: 14000, Start Num: 17
Candidate Starts for Megatron_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Melc17_16 Start: 13641, Stop: 13991, Start Num: 14
Candidate Starts for Melc17_16:
(Start: 14 @13641 has 244 MA's), (Start: 17 @13692 has 99 MA's), (19, 13704), (20, 13707), (22, 13716), (28, 13737), (50, 13932),

Gene: MelsMeow_15 Start: 13260, Stop: 13559, Start Num: 17
Candidate Starts for MelsMeow_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Mercurio_32 Start: 28993, Stop: 29313, Start Num: 15
Candidate Starts for Mercurio_32:
(Start: 15 @28993 has 93 MA's), (24, 29071), (27, 29083), (32, 29119), (33, 29122), (35, 29137), (40, 29209), (44, 29245),

Gene: Mesh1_16 Start: 13659, Stop: 14009, Start Num: 14
Candidate Starts for Mesh1_16:
(Start: 14 @13659 has 244 MA's), (Start: 17 @13710 has 99 MA's), (19, 13722), (20, 13725), (22, 13734), (28, 13755), (50, 13950),

Gene: Mesmerelda_15 Start: 13402, Stop: 13701, Start Num: 17
Candidate Starts for Mesmerelda_15:
(Start: 14 @13351 has 244 MA's), (Start: 17 @13402 has 99 MA's), (19, 13414), (20, 13417), (22, 13426), (28, 13447), (50, 13642),

Gene: MichaelPhcott_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for MichaelPhcott_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Mikota_16 Start: 13636, Stop: 13986, Start Num: 14
Candidate Starts for Mikota_16:
(Start: 14 @13636 has 244 MA's), (Start: 17 @13687 has 99 MA's), (20, 13702), (22, 13711), (28, 13732), (50, 13927),

Gene: MiniBoss_16 Start: 13638, Stop: 13988, Start Num: 14
Candidate Starts for MiniBoss_16:
(Start: 14 @13638 has 244 MA's), (Start: 17 @13689 has 99 MA's), (20, 13704), (22, 13713), (28, 13734), (50, 13929),

Gene: MitKao_16 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for MitKao_16:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Mithril_16 Start: 15377, Stop: 15748, Start Num: 14
Candidate Starts for Mithril_16:

(Start: 14 @15377 has 244 MA's), (Start: 17 @15428 has 99 MA's), (19, 15440), (20, 15443), (22, 15452), (27, 15470), (42, 15626),

Gene: Morgushi_16 Start: 13412, Stop: 13711, Start Num: 17
Candidate Starts for Morgushi_16:
(Start: 14 @13361 has 244 MA's), (Start: 17 @13412 has 99 MA's), (19, 13424), (20, 13427), (22, 13436), (28, 13457), (50, 13652),

Gene: Morty_16 Start: 13659, Stop: 14009, Start Num: 14
Candidate Starts for Morty_16:
(Start: 14 @13659 has 244 MA's), (Start: 17 @13710 has 99 MA's), (19, 13722), (20, 13725), (22, 13734), (28, 13755), (50, 13950),

Gene: Mosaic_15 Start: 13364, Stop: 13714, Start Num: 14
Candidate Starts for Mosaic_15:
(Start: 14 @13364 has 244 MA's), (Start: 17 @13415 has 99 MA's), (19, 13427), (20, 13430), (22, 13439), (28, 13460), (50, 13655),

Gene: Mowgli_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Mowgli_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: MrPhizzler_16 Start: 13413, Stop: 13712, Start Num: 17
Candidate Starts for MrPhizzler_16:
(Start: 14 @13362 has 244 MA's), (Start: 17 @13413 has 99 MA's), (19, 13425), (20, 13428), (22, 13437), (28, 13458), (50, 13653),

Gene: Mudslide_16 Start: 15622, Stop: 15993, Start Num: 14
Candidate Starts for Mudslide_16:
(Start: 14 @15622 has 244 MA's), (Start: 17 @15673 has 99 MA's), (19, 15685), (20, 15688), (22, 15697), (27, 15715), (42, 15871),

Gene: Mulan_15 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for Mulan_15:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Murdoc_16 Start: 13701, Stop: 14000, Start Num: 17
Candidate Starts for Murdoc_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Mutante_15 Start: 13360, Stop: 13710, Start Num: 14
Candidate Starts for Mutante_15:
(Start: 14 @13360 has 244 MA's), (Start: 17 @13411 has 99 MA's), (19, 13423), (20, 13426), (22, 13435), (28, 13456), (50, 13651),

Gene: Mysterious_17 Start: 15500, Stop: 15844, Start Num: 14
Candidate Starts for Mysterious_17:
(3, 15242), (10, 15383), (Start: 14 @15500 has 244 MA's), (Start: 17 @15551 has 99 MA's), (21, 15572), (27, 15593), (33, 15632), (39, 15707), (41, 15722),

Gene: Nacho_0016 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for Nacho_0016:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Nanao_15 Start: 14360, Stop: 14680, Start Num: 17
Candidate Starts for Nanao_15:
(6, 14099), (8, 14141), (9, 14195), (12, 14225), (13, 14294), (16, 14321), (Start: 17 @14360 has 99 MA's), (19, 14372), (22, 14384), (27, 14402), (34, 14447), (42, 14558),

Gene: Nathan_16 Start: 13711, Stop: 14010, Start Num: 17
Candidate Starts for Nathan_16:
(Start: 14 @13660 has 244 MA's), (Start: 17 @13711 has 99 MA's), (19, 13723), (20, 13726), (22, 13735), (28, 13756), (50, 13951),

Gene: Nehme_15 Start: 13404, Stop: 13703, Start Num: 17
Candidate Starts for Nehme_15:
(Start: 14 @13353 has 244 MA's), (Start: 17 @13404 has 99 MA's), (19, 13416), (20, 13419), (22, 13428), (28, 13449), (50, 13644),

Gene: Neoh_30 Start: 26782, Stop: 27102, Start Num: 15
Candidate Starts for Neoh_30:
(Start: 15 @26782 has 93 MA's), (20, 26845), (23, 26857), (25, 26863), (27, 26872), (30, 26887), (32, 26908), (33, 26911), (35, 26926), (37, 26941), (38, 26953), (46, 27031), (55, 27091),

Gene: Newman_16 Start: 13701, Stop: 14000, Start Num: 17
Candidate Starts for Newman_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: NiaNia_16 Start: 13426, Stop: 13725, Start Num: 17
Candidate Starts for NiaNia_16:
(Start: 14 @13375 has 244 MA's), (Start: 17 @13426 has 99 MA's), (19, 13438), (20, 13441), (22, 13450), (28, 13471), (50, 13666),

Gene: Nicole21_16 Start: 13642, Stop: 13992, Start Num: 14
Candidate Starts for Nicole21_16:
(Start: 14 @13642 has 244 MA's), (Start: 17 @13693 has 99 MA's), (19, 13705), (20, 13708), (22, 13717), (28, 13738), (50, 13933),

Gene: Nigel_14 Start: 14277, Stop: 14597, Start Num: 17
Candidate Starts for Nigel_14:
(Start: 14 @14226 has 244 MA's), (Start: 17 @14277 has 99 MA's), (19, 14289), (22, 14301), (33, 14358), (34, 14364), (42, 14475), (43, 14484), (47, 14508),

Gene: Nova1_15 Start: 13274, Stop: 13573, Start Num: 17
Candidate Starts for Nova1_15:
(Start: 14 @13223 has 244 MA's), (Start: 17 @13274 has 99 MA's), (19, 13286), (20, 13289), (22, 13298), (28, 13319), (50, 13514),

Gene: NovoPizza_30 Start: 29691, Stop: 30044, Start Num: 15
Candidate Starts for NovoPizza_30:

(Start: 15 @29691 has 93 MA's), (22, 29766), (23, 29769), (25, 29775), (26, 29778), (27, 29784), (32, 29820), (33, 29823), (34, 29829), (38, 29865), (39, 29898), (47, 29970), (56, 30027),

Gene: Numberten_16 Start: 13704, Stop: 14003, Start Num: 17
Candidate Starts for Numberten_16:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: Nyala_15 Start: 13403, Stop: 13702, Start Num: 17
Candidate Starts for Nyala_15:
(Start: 14 @13352 has 244 MA's), (Start: 17 @13403 has 99 MA's), (19, 13415), (20, 13418), (22, 13427), (28, 13448), (50, 13643),

Gene: OBUpride_35 Start: 30010, Stop: 30330, Start Num: 15
Candidate Starts for OBUpride_35:
(Start: 15 @30010 has 93 MA's), (23, 30088), (27, 30103), (29, 30115), (32, 30145), (34, 30154), (38, 30190), (39, 30223), (45, 30277),

Gene: OSmaximus_16 Start: 13711, Stop: 14010, Start Num: 17
Candidate Starts for OSmaximus_16:
(Start: 14 @13660 has 244 MA's), (Start: 17 @13711 has 99 MA's), (19, 13723), (20, 13726), (22, 13735), (28, 13756), (50, 13951),

Gene: OctaviousRex_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for OctaviousRex_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Olak_15 Start: 13349, Stop: 13699, Start Num: 14
Candidate Starts for Olak_15:
(Start: 14 @13349 has 244 MA's), (Start: 17 @13400 has 99 MA's), (19, 13412), (20, 13415), (22, 13424), (28, 13445), (50, 13640),

Gene: Oline_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for Oline_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Olive_16 Start: 13692, Stop: 13991, Start Num: 17
Candidate Starts for Olive_16:
(Start: 14 @13641 has 244 MA's), (Start: 17 @13692 has 99 MA's), (19, 13704), (20, 13707), (22, 13716), (28, 13737), (50, 13932),

Gene: OliverWalter_16 Start: 13709, Stop: 14008, Start Num: 17
Candidate Starts for OliverWalter_16:
(Start: 14 @13658 has 244 MA's), (Start: 17 @13709 has 99 MA's), (20, 13724), (22, 13733), (28, 13754), (50, 13949),

Gene: Omniscient_16 Start: 13659, Stop: 14009, Start Num: 14
Candidate Starts for Omniscient_16:
(Start: 14 @13659 has 244 MA's), (Start: 17 @13710 has 99 MA's), (19, 13722), (20, 13725), (22, 13734), (28, 13755), (50, 13950),

Gene: OneBrain_16 Start: 13404, Stop: 13703, Start Num: 17
Candidate Starts for OneBrain_16:
(Start: 14 @13353 has 244 MA's), (Start: 17 @13404 has 99 MA's), (19, 13416), (20, 13419), (22, 13428), (28, 13449), (50, 13644),

Gene: Oosterbaan_16 Start: 13702, Stop: 14001, Start Num: 17
Candidate Starts for Oosterbaan_16:
(Start: 14 @13651 has 244 MA's), (Start: 17 @13702 has 99 MA's), (19, 13714), (20, 13717), (22, 13726), (28, 13747), (50, 13942),

Gene: Orfeu_15 Start: 13350, Stop: 13700, Start Num: 14
Candidate Starts for Orfeu_15:
(Start: 14 @13350 has 244 MA's), (Start: 17 @13401 has 99 MA's), (19, 13413), (20, 13416), (22, 13425), (28, 13446), (50, 13641),

Gene: Orion_16 Start: 13702, Stop: 14001, Start Num: 17
Candidate Starts for Orion_16:
(Start: 14 @13651 has 244 MA's), (Start: 17 @13702 has 99 MA's), (19, 13714), (20, 13717), (22, 13726), (28, 13747), (50, 13942),

Gene: Orwigg_15 Start: 13394, Stop: 13693, Start Num: 17
Candidate Starts for Orwigg_15:
(Start: 14 @13343 has 244 MA's), (Start: 17 @13394 has 99 MA's), (19, 13406), (20, 13409), (22, 13418), (28, 13439), (50, 13634),

Gene: PG1_16 Start: 13714, Stop: 14013, Start Num: 17
Candidate Starts for PG1_16:
(Start: 14 @13663 has 244 MA's), (Start: 17 @13714 has 99 MA's), (19, 13726), (20, 13729), (22, 13738), (28, 13759), (50, 13954),

Gene: Pace1224_29 Start: 28264, Stop: 28620, Start Num: 15
Candidate Starts for Pace1224_29:
(Start: 15 @28264 has 93 MA's), (24, 28342), (27, 28354), (32, 28390), (33, 28393), (40, 28480), (44, 28516), (47, 28540), (56, 28597),

Gene: Pacifista_15 Start: 13354, Stop: 13704, Start Num: 14
Candidate Starts for Pacifista_15:
(Start: 14 @13354 has 244 MA's), (Start: 17 @13405 has 99 MA's), (19, 13417), (20, 13420), (22, 13429), (28, 13450), (50, 13645),

Gene: Paito_30 Start: 27024, Stop: 27332, Start Num: 15
Candidate Starts for Paito_30:
(Start: 15 @27024 has 93 MA's), (20, 27087), (23, 27099), (25, 27105), (27, 27114), (32, 27150), (33, 27153), (35, 27168), (37, 27183), (38, 27195),

Gene: PallasAthena_15 Start: 13409, Stop: 13708, Start Num: 17
Candidate Starts for PallasAthena_15:
(Start: 14 @13358 has 244 MA's), (Start: 17 @13409 has 99 MA's), (19, 13421), (20, 13424), (22, 13433), (28, 13454), (50, 13649),

Gene: Peeb_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Peeb_30:

(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: PenguinLover67_19 Start: 16545, Stop: 16991, Start Num: 14
Candidate Starts for PenguinLover67_19:
(Start: 14 @16545 has 244 MA's), (19, 16608), (27, 16638), (47, 16824), (58, 16896),

Gene: Periodt_30 Start: 26781, Stop: 27101, Start Num: 15
Candidate Starts for Periodt_30:
(Start: 15 @26781 has 93 MA's), (20, 26844), (23, 26856), (25, 26862), (27, 26871), (30, 26886), (32, 26907), (33, 26910), (35, 26925), (37, 26940), (38, 26952), (46, 27030), (55, 27090),

Gene: Phamished_16 Start: 13656, Stop: 14006, Start Num: 14
Candidate Starts for Phamished_16:
(Start: 14 @13656 has 244 MA's), (Start: 17 @13707 has 99 MA's), (19, 13719), (20, 13722), (22, 13731), (28, 13752), (50, 13947),

Gene: Phareon_16 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for Phareon_16:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: PhatCats2014_16 Start: 13666, Stop: 14016, Start Num: 14
Candidate Starts for PhatCats2014_16:
(Start: 14 @13666 has 244 MA's), (Start: 17 @13717 has 99 MA's), (19, 13729), (20, 13732), (22, 13741), (28, 13762), (50, 13957),

Gene: PhatLouie_16 Start: 13701, Stop: 14000, Start Num: 17
Candidate Starts for PhatLouie_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Phelemich_17 Start: 15504, Stop: 15848, Start Num: 14
Candidate Starts for Phelemich_17:
(3, 15246), (Start: 14 @15504 has 244 MA's), (Start: 17 @15555 has 99 MA's), (21, 15576), (27, 15597), (33, 15636), (39, 15711), (41, 15726),

Gene: PhenghisKhan_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for PhenghisKhan_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Pherdinand_16 Start: 13654, Stop: 14004, Start Num: 14
Candidate Starts for Pherdinand_16:
(Start: 14 @13654 has 244 MA's), (Start: 17 @13705 has 99 MA's), (19, 13717), (20, 13720), (22, 13729), (28, 13750), (50, 13945),

Gene: Phergie_15 Start: 13203, Stop: 13553, Start Num: 14
Candidate Starts for Phergie_15:
(Start: 14 @13203 has 244 MA's), (Start: 17 @13254 has 99 MA's), (19, 13266), (20, 13269), (22, 13278), (28, 13299), (50, 13494),

Gene: Phipps_16 Start: 13680, Stop: 13979, Start Num: 17

Candidate Starts for Phipps_16:
(Start: 14 @13629 has 244 MA's), (Start: 17 @13680 has 99 MA's), (19, 13692), (20, 13695), (22, 13704), (28, 13725), (50, 13920),

Gene: Phleuron_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for Phleuron_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Phloodle_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Phloodle_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: PhrankReynolds_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for PhrankReynolds_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Phreak_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Phreak_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: PhrodoBaggins_15 Start: 13644, Stop: 13994, Start Num: 14
Candidate Starts for PhrodoBaggins_15:
(Start: 14 @13644 has 244 MA's), (Start: 17 @13695 has 99 MA's), (19, 13707), (20, 13710), (22, 13719), (28, 13740), (50, 13935),

Gene: Phunky_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for Phunky_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Piglet_0015 Start: 13653, Stop: 14003, Start Num: 14
Candidate Starts for Piglet_0015:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: PinheadLarry_16 Start: 13369, Stop: 13719, Start Num: 14
Candidate Starts for PinheadLarry_16:
(Start: 14 @13369 has 244 MA's), (Start: 17 @13420 has 99 MA's), (19, 13432), (20, 13435), (22, 13444), (28, 13465), (50, 13660),

Gene: PinkYoshi_30 Start: 26781, Stop: 27101, Start Num: 15
Candidate Starts for PinkYoshi_30:
(Start: 15 @26781 has 93 MA's), (20, 26844), (23, 26856), (25, 26862), (27, 26871), (30, 26886), (32, 26907), (33, 26910), (35, 26925), (37, 26940), (38, 26952), (46, 27030), (55, 27090),

Gene: Pinkman_15 Start: 13260, Stop: 13559, Start Num: 17
Candidate Starts for Pinkman_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: Pinnie_31 Start: 29132, Stop: 29491, Start Num: 15
Candidate Starts for Pinnie_31:
(Start: 15 @29132 has 93 MA's), (24, 29210), (27, 29222), (32, 29258), (33, 29261), (40, 29348), (44, 29384), (56, 29465),

Gene: Pipsqueak_16 Start: 13656, Stop: 14006, Start Num: 14
Candidate Starts for Pipsqueak_16:
(Start: 14 @13656 has 244 MA's), (Start: 17 @13707 has 99 MA's), (19, 13719), (20, 13722), (22, 13731), (28, 13752), (50, 13947),

Gene: Placalicious_15 Start: 13351, Stop: 13701, Start Num: 14
Candidate Starts for Placalicious_15:
(Start: 14 @13351 has 244 MA's), (Start: 17 @13402 has 99 MA's), (19, 13414), (20, 13417), (22, 13426), (28, 13447), (50, 13642),

Gene: Plagueis_30 Start: 26625, Stop: 26945, Start Num: 15
Candidate Starts for Plagueis_30:
(Start: 15 @26625 has 93 MA's), (20, 26688), (23, 26700), (25, 26706), (27, 26715), (30, 26730), (32, 26751), (33, 26754), (35, 26769), (37, 26784), (38, 26796), (46, 26874), (55, 26934),

Gene: Plata_15 Start: 13365, Stop: 13715, Start Num: 14
Candidate Starts for Plata_15:
(Start: 14 @13365 has 244 MA's), (Start: 17 @13416 has 99 MA's), (19, 13428), (20, 13431), (22, 13440), (28, 13461),

Gene: Plmatters_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for Plmatters_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Podrick_16 Start: 13641, Stop: 13991, Start Num: 14
Candidate Starts for Podrick_16:
(Start: 14 @13641 has 244 MA's), (Start: 17 @13692 has 99 MA's), (20, 13707), (22, 13716), (28, 13737), (50, 13932),

Gene: Pops_16 Start: 13704, Stop: 14003, Start Num: 17
Candidate Starts for Pops_16:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: Poster_15 Start: 14361, Stop: 14681, Start Num: 17
Candidate Starts for Poster_15:
(1, 13947), (Start: 14 @14310 has 244 MA's), (Start: 17 @14361 has 99 MA's), (19, 14373), (22, 14385), (27, 14403), (34, 14448), (42, 14559),

Gene: Potter_15 Start: 13415, Stop: 13714, Start Num: 17
Candidate Starts for Potter_15:
(Start: 14 @13364 has 244 MA's), (Start: 17 @13415 has 99 MA's), (19, 13427), (20, 13430), (22, 13439), (28, 13460), (50, 13655),

Gene: Prickles_16 Start: 13695, Stop: 13994, Start Num: 17
Candidate Starts for Prickles_16:

(Start: 14 @13644 has 244 MA's), (Start: 17 @13695 has 99 MA's), (20, 13710), (22, 13719), (28, 13740), (50, 13935),

Gene: Prince_16 Start: 15534, Stop: 15905, Start Num: 14
Candidate Starts for Prince_16:
(Start: 14 @15534 has 244 MA's), (Start: 17 @15585 has 99 MA's), (19, 15597), (20, 15600), (22, 15609), (27, 15627), (42, 15783),

Gene: ProfessorX_16 Start: 13642, Stop: 13992, Start Num: 14
Candidate Starts for ProfessorX_16:
(Start: 14 @13642 has 244 MA's), (Start: 17 @13693 has 99 MA's), (19, 13705), (20, 13708), (22, 13717), (28, 13738), (50, 13933),

Gene: Puhltonio_16 Start: 13710, Stop: 14009, Start Num: 17
Candidate Starts for Puhltonio_16:
(Start: 14 @13659 has 244 MA's), (Start: 17 @13710 has 99 MA's), (19, 13722), (20, 13725), (22, 13734), (28, 13755), (50, 13950),

Gene: QueenBeane_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for QueenBeane_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: QueenPie_16 Start: 15959, Stop: 16279, Start Num: 17
Candidate Starts for QueenPie_16:
(1, 15545), (Start: 14 @15908 has 244 MA's), (Start: 17 @15959 has 99 MA's), (19, 15971), (22, 15983), (27, 16001), (42, 16157), (47, 16190),

Gene: Quisquiliae_16 Start: 13665, Stop: 14015, Start Num: 14
Candidate Starts for Quisquiliae_16:
(Start: 14 @13665 has 244 MA's), (Start: 17 @13716 has 99 MA's), (19, 13728), (20, 13731), (22, 13740), (28, 13761), (50, 13956),

Gene: Rabbs_30 Start: 26873, Stop: 27193, Start Num: 15
Candidate Starts for Rabbs_30:
(Start: 15 @26873 has 93 MA's), (20, 26936), (23, 26948), (25, 26954), (27, 26963), (30, 26978), (32, 26999), (33, 27002), (35, 27017), (37, 27032), (38, 27044), (46, 27122), (55, 27182),

Gene: Rattrick_30 Start: 26781, Stop: 27101, Start Num: 15
Candidate Starts for Rattrick_30:
(Start: 15 @26781 has 93 MA's), (20, 26844), (23, 26856), (25, 26862), (27, 26871), (30, 26886), (32, 26907), (33, 26910), (35, 26925), (37, 26940), (38, 26952), (46, 27030), (55, 27090),

Gene: RawrgerThat_16 Start: 15422, Stop: 15742, Start Num: 17
Candidate Starts for RawrgerThat_16:
(Start: 14 @15371 has 244 MA's), (Start: 17 @15422 has 99 MA's), (19, 15434), (20, 15437), (22, 15446), (27, 15464), (33, 15503), (42, 15620),

Gene: Reccee_17 Start: 15438, Stop: 15782, Start Num: 14
Candidate Starts for Reccee_17:
(2, 15093), (3, 15180), (10, 15321), (Start: 14 @15438 has 244 MA's), (Start: 17 @15489 has 99 MA's), (21, 15510), (27, 15531), (33, 15570), (39, 15645), (41, 15660),

Gene: RedMaple_15 Start: 13662, Stop: 14012, Start Num: 14
Candidate Starts for RedMaple_15:
(Start: 14 @13662 has 244 MA's), (Start: 17 @13713 has 99 MA's), (19, 13725), (20, 13728), (22, 13737), (28, 13758), (50, 13953),

Gene: RedRaider89_17 Start: 13933, Stop: 14232, Start Num: 17
Candidate Starts for RedRaider89_17:
(Start: 14 @13882 has 244 MA's), (Start: 17 @13933 has 99 MA's), (19, 13945), (20, 13948), (22, 13957), (28, 13978), (50, 14173),

Gene: Remy19_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Remy19_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Renaissance_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Renaissance_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Renkei_15 Start: 14317, Stop: 14688, Start Num: 14
Candidate Starts for Renkei_15:
(1, 13954), (Start: 14 @14317 has 244 MA's), (Start: 17 @14368 has 99 MA's), (19, 14380), (22, 14392), (27, 14410), (34, 14455), (42, 14566),

Gene: Reprobate_17 Start: 15501, Stop: 15845, Start Num: 14
Candidate Starts for Reprobate_17:
(3, 15243), (Start: 14 @15501 has 244 MA's), (Start: 17 @15552 has 99 MA's), (21, 15573), (27, 15594), (33, 15633), (39, 15708), (41, 15723),

Gene: Rich_17 Start: 15400, Stop: 15744, Start Num: 14
Candidate Starts for Rich_17:
(2, 15055), (3, 15142), (10, 15283), (Start: 14 @15400 has 244 MA's), (Start: 17 @15451 has 99 MA's), (21, 15472), (27, 15493), (41, 15622),

Gene: Richarlison_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Richarlison_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Ricotta_15 Start: 13374, Stop: 13724, Start Num: 14
Candidate Starts for Ricotta_15:
(Start: 14 @13374 has 244 MA's), (Start: 17 @13425 has 99 MA's), (19, 13437), (20, 13440), (22, 13449), (28, 13470), (50, 13665),

Gene: Riggan_16 Start: 13630, Stop: 13980, Start Num: 14
Candidate Starts for Riggan_16:
(Start: 14 @13630 has 244 MA's), (Start: 17 @13681 has 99 MA's), (19, 13693), (20, 13696), (22, 13705), (28, 13726), (50, 13921),

Gene: Rimu_16 Start: 13413, Stop: 13712, Start Num: 17
Candidate Starts for Rimu_16:

(Start: 14 @13362 has 244 MA's), (Start: 17 @13413 has 99 MA's), (19, 13425), (20, 13428), (22, 13437), (28, 13458), (50, 13653),

Gene: Rinkes_20 Start: 17321, Stop: 17668, Start Num: 14
Candidate Starts for Rinkes_20:
(Start: 14 @17321 has 244 MA's), (Start: 17 @17372 has 99 MA's), (18, 17375), (25, 17405), (33, 17453), (39, 17528), (47, 17579), (48, 17585), (49, 17588), (51, 17603),

Gene: Riverton_16 Start: 13707, Stop: 14006, Start Num: 17
Candidate Starts for Riverton_16:
(Start: 14 @13656 has 244 MA's), (Start: 17 @13707 has 99 MA's), (20, 13722), (22, 13731), (28, 13752), (50, 13947),

Gene: Robyn_15 Start: 13223, Stop: 13573, Start Num: 14
Candidate Starts for Robyn_15:
(Start: 14 @13223 has 244 MA's), (Start: 17 @13274 has 99 MA's), (20, 13289), (22, 13298), (28, 13319), (50, 13514),

Gene: Roliet_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for Roliet_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Roscoe_17 Start: 13891, Stop: 14241, Start Num: 14
Candidate Starts for Roscoe_17:
(Start: 14 @13891 has 244 MA's), (Start: 17 @13942 has 99 MA's), (19, 13954), (20, 13957), (22, 13966), (28, 13987), (50, 14182),

Gene: Roy17_16 Start: 13352, Stop: 13702, Start Num: 14
Candidate Starts for Roy17_16:
(Start: 14 @13352 has 244 MA's), (Start: 17 @13403 has 99 MA's), (19, 13415), (20, 13418), (22, 13427), (28, 13448), (50, 13643),

Gene: Ruriko_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Ruriko_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: SDcharge11_16 Start: 13631, Stop: 13981, Start Num: 14
Candidate Starts for SDcharge11_16:
(Start: 14 @13631 has 244 MA's), (Start: 17 @13682 has 99 MA's), (20, 13697), (22, 13706), (28, 13727), (50, 13922),

Gene: Saguaro_18 Start: 16390, Stop: 16737, Start Num: 14
Candidate Starts for Saguaro_18:
(Start: 14 @16390 has 244 MA's), (20, 16456), (24, 16471),

Gene: Salazzle_15 Start: 13274, Stop: 13573, Start Num: 17
Candidate Starts for Salazzle_15:
(Start: 14 @13223 has 244 MA's), (Start: 17 @13274 has 99 MA's), (19, 13286), (20, 13289), (22, 13298), (28, 13319), (50, 13514),

Gene: SallyH_16 Start: 13711, Stop: 14010, Start Num: 17

Candidate Starts for SallyH_16:
(Start: 14 @13660 has 244 MA's), (Start: 17 @13711 has 99 MA's), (19, 13723), (20, 13726), (22, 13735), (28, 13756), (50, 13951),

Gene: Samaymay_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for Samaymay_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: SassyCat97_15 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for SassyCat97_15:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Schadenfreude_15 Start: 13207, Stop: 13557, Start Num: 14
Candidate Starts for Schadenfreude_15:
(Start: 14 @13207 has 244 MA's), (Start: 17 @13258 has 99 MA's), (19, 13270), (20, 13273), (22, 13282), (28, 13303), (50, 13498),

Gene: Schiebel_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Schiebel_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Schueller_15 Start: 13348, Stop: 13698, Start Num: 14
Candidate Starts for Schueller_15:
(Start: 14 @13348 has 244 MA's), (Start: 17 @13399 has 99 MA's), (19, 13411), (20, 13414), (22, 13423), (28, 13444), (50, 13639),

Gene: Scoot17C_16 Start: 13702, Stop: 14001, Start Num: 17
Candidate Starts for Scoot17C_16:
(Start: 14 @13651 has 244 MA's), (Start: 17 @13702 has 99 MA's), (19, 13714), (20, 13717), (22, 13726), (28, 13747), (50, 13942),

Gene: Scrick_15 Start: 13370, Stop: 13720, Start Num: 14
Candidate Starts for Scrick_15:
(Start: 14 @13370 has 244 MA's), (Start: 17 @13421 has 99 MA's), (19, 13433), (20, 13436), (22, 13445), (28, 13466), (50, 13661),

Gene: Selr12_16 Start: 13375, Stop: 13725, Start Num: 14
Candidate Starts for Selr12_16:
(Start: 14 @13375 has 244 MA's), (Start: 17 @13426 has 99 MA's), (19, 13438), (20, 13441), (22, 13450), (28, 13471), (50, 13666),

Gene: Septica_15 Start: 13712, Stop: 14011, Start Num: 17
Candidate Starts for Septica_15:
(Start: 14 @13661 has 244 MA's), (Start: 17 @13712 has 99 MA's), (20, 13727), (22, 13736), (28, 13757), (50, 13952),

Gene: Serendipitous_17 Start: 15447, Stop: 15791, Start Num: 14
Candidate Starts for Serendipitous_17:
(2, 15102), (3, 15189), (10, 15330), (Start: 14 @15447 has 244 MA's), (Start: 17 @15498 has 99 MA's), (21, 15519), (27, 15540), (39, 15654), (41, 15669),

Gene: Serendipity_16 Start: 13722, Stop: 14021, Start Num: 17
Candidate Starts for Serendipity_16:
(Start: 14 @13671 has 244 MA's), (Start: 17 @13722 has 99 MA's), (19, 13734), (20, 13737), (22, 13746), (28, 13767), (50, 13962),

Gene: Serpentine_0016 Start: 13653, Stop: 14003, Start Num: 14
Candidate Starts for Serpentine_0016:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: ShaboiShabazz_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for ShaboiShabazz_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: ShadowBud_16 Start: 13716, Stop: 14015, Start Num: 17
Candidate Starts for ShadowBud_16:
(Start: 14 @13665 has 244 MA's), (Start: 17 @13716 has 99 MA's), (19, 13728), (20, 13731), (22, 13740), (28, 13761), (50, 13956),

Gene: Sheila_16 Start: 13642, Stop: 13992, Start Num: 14
Candidate Starts for Sheila_16:
(Start: 14 @13642 has 244 MA's), (Start: 17 @13693 has 99 MA's), (19, 13705), (20, 13708), (22, 13717), (28, 13738), (50, 13933),

Gene: ShiVal_16 Start: 13644, Stop: 13994, Start Num: 14
Candidate Starts for ShiVal_16:
(Start: 14 @13644 has 244 MA's), (Start: 17 @13695 has 99 MA's), (19, 13707), (20, 13710), (22, 13719), (28, 13740), (50, 13935),

Gene: Sigman_16 Start: 13692, Stop: 13991, Start Num: 17
Candidate Starts for Sigman_16:
(Start: 14 @13641 has 244 MA's), (Start: 17 @13692 has 99 MA's), (19, 13704), (20, 13707), (22, 13716), (28, 13737), (50, 13932),

Gene: SilverBell_16 Start: 13707, Stop: 14006, Start Num: 17
Candidate Starts for SilverBell_16:
(Start: 14 @13656 has 244 MA's), (Start: 17 @13707 has 99 MA's), (19, 13719), (20, 13722), (22, 13731), (28, 13752), (50, 13947),

Gene: Simielle_15 Start: 13342, Stop: 13692, Start Num: 14
Candidate Starts for Simielle_15:
(Start: 14 @13342 has 244 MA's), (Start: 17 @13393 has 99 MA's), (19, 13405), (20, 13408), (22, 13417), (28, 13438), (50, 13633),

Gene: SirBeauregard_15 Start: 13368, Stop: 13667, Start Num: 17
Candidate Starts for SirBeauregard_15:
(Start: 14 @13317 has 244 MA's), (Start: 17 @13368 has 99 MA's), (19, 13380), (20, 13383), (22, 13392), (28, 13413), (50, 13608),

Gene: Sizemore_30 Start: 26791, Stop: 27111, Start Num: 15
Candidate Starts for Sizemore_30:

(Start: 15 @26791 has 93 MA's), (20, 26854), (23, 26866), (25, 26872), (27, 26881), (30, 26896), (32, 26917), (33, 26920), (35, 26935), (37, 26950), (38, 26962), (46, 27040), (55, 27100),

Gene: Skippy_16 Start: 13635, Stop: 13985, Start Num: 14
Candidate Starts for Skippy_16:
(Start: 14 @13635 has 244 MA's), (Start: 17 @13686 has 99 MA's), (19, 13698), (20, 13701), (22, 13710), (28, 13731), (50, 13926),

Gene: Slatt_16 Start: 13667, Stop: 14017, Start Num: 14
Candidate Starts for Slatt_16:
(Start: 14 @13667 has 244 MA's), (Start: 17 @13718 has 99 MA's), (19, 13730), (20, 13733), (22, 13742), (28, 13763), (50, 13958),

Gene: Sneeze_30 Start: 26872, Stop: 27192, Start Num: 15
Candidate Starts for Sneeze_30:
(Start: 15 @26872 has 93 MA's), (20, 26935), (23, 26947), (25, 26953), (27, 26962), (30, 26977), (32, 26998), (33, 27001), (35, 27016), (37, 27031), (38, 27043), (46, 27121), (55, 27181),

Gene: Soile_16 Start: 13362, Stop: 13712, Start Num: 14
Candidate Starts for Soile_16:
(Start: 14 @13362 has 244 MA's), (Start: 17 @13413 has 99 MA's), (19, 13425), (20, 13428), (22, 13437), (28, 13458), (50, 13653),

Gene: Solosis_15 Start: 13369, Stop: 13719, Start Num: 14
Candidate Starts for Solosis_15:
(Start: 14 @13369 has 244 MA's), (Start: 17 @13420 has 99 MA's), (19, 13432), (20, 13435), (22, 13444), (28, 13465), (50, 13660),

Gene: Sophia_15 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for Sophia_15:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Soto_16 Start: 13647, Stop: 13997, Start Num: 14
Candidate Starts for Soto_16:
(Start: 14 @13647 has 244 MA's), (Start: 17 @13698 has 99 MA's), (19, 13710), (20, 13713), (22, 13722), (28, 13743), (50, 13938),

Gene: Spartan300_16 Start: 13647, Stop: 13997, Start Num: 14
Candidate Starts for Spartan300_16:
(Start: 14 @13647 has 244 MA's), (Start: 17 @13698 has 99 MA's), (19, 13710), (20, 13713), (22, 13722), (28, 13743), (50, 13938),

Gene: Squid_16 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for Squid_16:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Squiggle_16 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for Squiggle_16:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Stargaze_30 Start: 28544, Stop: 28897, Start Num: 15
Candidate Starts for Stargaze_30:
(Start: 15 @28544 has 93 MA's), (18, 28595), (24, 28622), (27, 28634), (32, 28670), (33, 28673), (40, 28760), (44, 28796), (56, 28877),

Gene: Stinger_14 Start: 13873, Stop: 14244, Start Num: 14
Candidate Starts for Stinger_14:
(Start: 14 @13873 has 244 MA's), (Start: 17 @13924 has 99 MA's), (19, 13936), (22, 13948), (33, 14005), (34, 14011), (42, 14122), (43, 14131), (47, 14155),

Gene: Struggle_15 Start: 13203, Stop: 13553, Start Num: 14
Candidate Starts for Struggle_15:
(Start: 14 @13203 has 244 MA's), (Start: 17 @13254 has 99 MA's), (19, 13266), (20, 13269), (22, 13278), (28, 13299), (50, 13494),

Gene: Suffolk_16 Start: 13700, Stop: 13999, Start Num: 17
Candidate Starts for Suffolk_16:
(Start: 14 @13649 has 244 MA's), (Start: 17 @13700 has 99 MA's), (19, 13712), (20, 13715), (22, 13724), (28, 13745), (50, 13940),

Gene: Suigeneris_17 Start: 15259, Stop: 15603, Start Num: 14
Candidate Starts for Suigeneris_17:
(2, 14914), (3, 15001), (10, 15142), (Start: 14 @15259 has 244 MA's), (Start: 17 @15310 has 99 MA's), (21, 15331), (27, 15352), (33, 15391), (39, 15466), (41, 15481), (53, 15565),

Gene: Surely_16 Start: 13659, Stop: 14009, Start Num: 14
Candidate Starts for Surely_16:
(Start: 14 @13659 has 244 MA's), (Start: 17 @13710 has 99 MA's), (19, 13722), (20, 13725), (22, 13734), (28, 13755), (50, 13950),

Gene: Swiphy_16 Start: 13701, Stop: 14000, Start Num: 17
Candidate Starts for Swiphy_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Swish_16 Start: 13696, Stop: 13995, Start Num: 17
Candidate Starts for Swish_16:
(Start: 14 @13645 has 244 MA's), (Start: 17 @13696 has 99 MA's), (19, 13708), (20, 13711), (22, 13720), (28, 13741), (50, 13936),

Gene: TallGrassMM_16 Start: 13426, Stop: 13725, Start Num: 17
Candidate Starts for TallGrassMM_16:
(Start: 14 @13375 has 244 MA's), (Start: 17 @13426 has 99 MA's), (19, 13438), (20, 13441), (22, 13450), (28, 13471), (50, 13666),

Gene: Taraxa_16 Start: 13280, Stop: 13579, Start Num: 17
Candidate Starts for Taraxa_16:
(Start: 14 @13229 has 244 MA's), (Start: 17 @13280 has 99 MA's), (19, 13292), (20, 13295), (22, 13304), (28, 13325), (50, 13520),

Gene: Telesworld_15 Start: 13357, Stop: 13707, Start Num: 14
Candidate Starts for Telesworld_15:

(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Thonko_17 Start: 13214, Stop: 13540, Start Num: 14
Candidate Starts for Thonko_17:
(5, 13052), (Start: 14 @13214 has 244 MA's), (Start: 17 @13265 has 99 MA's), (22, 13289), (27, 13307),

Gene: Thora_16 Start: 13710, Stop: 14009, Start Num: 17
Candidate Starts for Thora_16:
(Start: 14 @13659 has 244 MA's), (Start: 17 @13710 has 99 MA's), (19, 13722), (20, 13725), (22, 13734), (28, 13755), (50, 13950),

Gene: ThreeOh3D2_16 Start: 13711, Stop: 14010, Start Num: 17
Candidate Starts for ThreeOh3D2_16:
(Start: 14 @13660 has 244 MA's), (Start: 17 @13711 has 99 MA's), (19, 13723), (20, 13726), (22, 13735), (28, 13756), (50, 13951),

Gene: Thunderbird_15 Start: 13410, Stop: 13709, Start Num: 17
Candidate Starts for Thunderbird_15:
(Start: 14 @13359 has 244 MA's), (Start: 17 @13410 has 99 MA's), (20, 13425), (22, 13434), (28, 13455), (50, 13650),

Gene: Timmi_15 Start: 13369, Stop: 13719, Start Num: 14
Candidate Starts for Timmi_15:
(Start: 14 @13369 has 244 MA's), (Start: 17 @13420 has 99 MA's), (19, 13432), (20, 13435), (22, 13444), (28, 13465), (50, 13660),

Gene: TinaBug_30 Start: 26785, Stop: 27105, Start Num: 15
Candidate Starts for TinaBug_30:
(Start: 15 @26785 has 93 MA's), (20, 26848), (23, 26860), (25, 26866), (27, 26875), (30, 26890), (32, 26911), (33, 26914), (35, 26929), (37, 26944), (38, 26956), (46, 27034), (55, 27094),

Gene: TomBombadil_16 Start: 13653, Stop: 14003, Start Num: 14
Candidate Starts for TomBombadil_16:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: TomBrady_30 Start: 26791, Stop: 27111, Start Num: 15
Candidate Starts for TomBrady_30:
(Start: 15 @26791 has 93 MA's), (20, 26854), (23, 26866), (25, 26872), (27, 26881), (30, 26896), (32, 26917), (33, 26920), (35, 26935), (37, 26950), (38, 26962), (46, 27040), (55, 27100),

Gene: Tomlarah_16 Start: 13644, Stop: 13994, Start Num: 14
Candidate Starts for Tomlarah_16:
(Start: 14 @13644 has 244 MA's), (Start: 17 @13695 has 99 MA's), (19, 13707), (20, 13710), (22, 13719), (28, 13740), (50, 13935),

Gene: Toni_15 Start: 13355, Stop: 13705, Start Num: 14
Candidate Starts for Toni_15:
(Start: 14 @13355 has 244 MA's), (Start: 17 @13406 has 99 MA's), (19, 13418), (20, 13421), (22, 13430), (28, 13451), (50, 13646),

Gene: TooFast2Furius_17 Start: 13942, Stop: 14241, Start Num: 17
Candidate Starts for TooFast2Furius_17:
(Start: 14 @13891 has 244 MA's), (Start: 17 @13942 has 99 MA's), (19, 13954), (20, 13957), (22, 13966), (28, 13987), (50, 14182),

Gene: Tooj_16 Start: 13657, Stop: 14007, Start Num: 14
Candidate Starts for Tooj_16:
(Start: 14 @13657 has 244 MA's), (Start: 17 @13708 has 99 MA's), (19, 13720), (20, 13723), (22, 13732), (28, 13753), (50, 13948),

Gene: Triad_16 Start: 13245, Stop: 13544, Start Num: 17
Candidate Starts for Triad_16:
(Start: 14 @13194 has 244 MA's), (Start: 17 @13245 has 99 MA's), (19, 13257), (20, 13260), (22, 13269), (28, 13290), (50, 13485),

Gene: True_15 Start: 13358, Stop: 13708, Start Num: 14
Candidate Starts for True_15:
(Start: 14 @13358 has 244 MA's), (Start: 17 @13409 has 99 MA's), (19, 13421), (20, 13424), (22, 13433), (28, 13454), (50, 13649),

Gene: Trypo_16 Start: 13647, Stop: 13997, Start Num: 14
Candidate Starts for Trypo_16:
(Start: 14 @13647 has 244 MA's), (Start: 17 @13698 has 99 MA's), (19, 13710), (20, 13713), (22, 13722), (28, 13743), (50, 13938),

Gene: TyrionL_15 Start: 13209, Stop: 13559, Start Num: 14
Candidate Starts for TyrionL_15:
(Start: 14 @13209 has 244 MA's), (Start: 17 @13260 has 99 MA's), (19, 13272), (20, 13275), (22, 13284), (28, 13305), (50, 13500),

Gene: UAch1_16 Start: 13668, Stop: 14018, Start Num: 14
Candidate Starts for UAch1_16:
(Start: 14 @13668 has 244 MA's), (Start: 17 @13719 has 99 MA's), (19, 13731), (20, 13734), (22, 13743), (28, 13764), (50, 13959),

Gene: Ubuntu_35 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Ubuntu_35:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: UncleHowie_16 Start: 13408, Stop: 13707, Start Num: 17
Candidate Starts for UncleHowie_16:
(Start: 14 @13357 has 244 MA's), (Start: 17 @13408 has 99 MA's), (19, 13420), (20, 13423), (22, 13432), (28, 13453), (50, 13648),

Gene: Usavi_16 Start: 13659, Stop: 14009, Start Num: 14
Candidate Starts for Usavi_16:
(Start: 14 @13659 has 244 MA's), (Start: 17 @13710 has 99 MA's), (20, 13725), (22, 13734), (28, 13755), (50, 13950),

Gene: Vaishali24_15 Start: 13361, Stop: 13660, Start Num: 17
Candidate Starts for Vaishali24_15:

(Start: 14 @13310 has 244 MA's), (Start: 17 @13361 has 99 MA's), (19, 13373), (20, 13376), (22, 13385), (28, 13406), (50, 13601),

Gene: Valjean_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for Valjean_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Vaticameos_16 Start: 13348, Stop: 13698, Start Num: 14
Candidate Starts for Vaticameos_16:
(Start: 14 @13348 has 244 MA's), (Start: 17 @13399 has 99 MA's), (19, 13411), (20, 13414), (22, 13423), (28, 13444), (50, 13639),

Gene: Vectra_15 Start: 13265, Stop: 13564, Start Num: 17
Candidate Starts for Vectra_15:
(Start: 14 @13214 has 244 MA's), (Start: 17 @13265 has 99 MA's), (19, 13277), (20, 13280), (22, 13289), (28, 13310), (50, 13505),

Gene: Veritas_15 Start: 13197, Stop: 13547, Start Num: 14
Candidate Starts for Veritas_15:
(Start: 14 @13197 has 244 MA's), (Start: 17 @13248 has 99 MA's), (19, 13260), (20, 13263), (22, 13272), (28, 13293), (50, 13488),

Gene: Vincenzo_17 Start: 16153, Stop: 16518, Start Num: 14
Candidate Starts for Vincenzo_17:
(Start: 14 @16153 has 244 MA's), (Start: 17 @16207 has 99 MA's), (19, 16219), (22, 16231), (27, 16249),

Gene: VioletZ_16 Start: 15407, Stop: 15778, Start Num: 14
Candidate Starts for VioletZ_16:
(Start: 14 @15407 has 244 MA's), (Start: 17 @15458 has 99 MA's), (19, 15470), (20, 15473), (22, 15482), (27, 15500), (33, 15539), (42, 15656),

Gene: Virapocalypse_16 Start: 13642, Stop: 13992, Start Num: 14
Candidate Starts for Virapocalypse_16:
(Start: 14 @13642 has 244 MA's), (Start: 17 @13693 has 99 MA's), (19, 13705), (20, 13708), (22, 13717), (28, 13738), (50, 13933),

Gene: Virgeve_15 Start: 13414, Stop: 13713, Start Num: 17
Candidate Starts for Virgeve_15:
(Start: 14 @13363 has 244 MA's), (Start: 17 @13414 has 99 MA's), (19, 13426), (20, 13429), (22, 13438), (28, 13459), (50, 13654),

Gene: Vista_16 Start: 13653, Stop: 14003, Start Num: 14
Candidate Starts for Vista_16:
(Start: 14 @13653 has 244 MA's), (Start: 17 @13704 has 99 MA's), (19, 13716), (20, 13719), (22, 13728), (28, 13749), (50, 13944),

Gene: Vivaldi_16 Start: 13684, Stop: 14034, Start Num: 14
Candidate Starts for Vivaldi_16:
(Start: 14 @13684 has 244 MA's), (Start: 17 @13735 has 99 MA's), (19, 13747), (20, 13750), (22, 13759), (28, 13780), (50, 13975),

Gene: Vortex_16 Start: 13415, Stop: 13714, Start Num: 17
Candidate Starts for Vortex_16:
(Start: 14 @13364 has 244 MA's), (Start: 17 @13415 has 99 MA's), (19, 13427), (20, 13430), (22, 13439), (28, 13460), (50, 13655),

Gene: Waleliano_16 Start: 15377, Stop: 15748, Start Num: 14
Candidate Starts for Waleliano_16:
(Start: 14 @15377 has 244 MA's), (Start: 17 @15428 has 99 MA's), (19, 15440), (20, 15443), (22, 15452), (27, 15470), (33, 15509), (42, 15626),

Gene: Wallhey_15 Start: 13215, Stop: 13565, Start Num: 14
Candidate Starts for Wallhey_15:
(Start: 14 @13215 has 244 MA's), (Start: 17 @13266 has 99 MA's), (19, 13278), (20, 13281), (22, 13290), (28, 13311), (50, 13506),

Gene: Waterdiva_16 Start: 13651, Stop: 14001, Start Num: 14
Candidate Starts for Waterdiva_16:
(Start: 14 @13651 has 244 MA's), (Start: 17 @13702 has 99 MA's), (19, 13714), (20, 13717), (22, 13726), (28, 13747), (50, 13942),

Gene: Webster2_35 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Webster2_35:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: Weher20_16 Start: 13641, Stop: 13991, Start Num: 14
Candidate Starts for Weher20_16:
(Start: 14 @13641 has 244 MA's), (Start: 17 @13692 has 99 MA's), (19, 13704), (20, 13707), (22, 13716), (28, 13737), (50, 13932),

Gene: Weirdo19_31 Start: 28110, Stop: 28523, Start Num: 15
Candidate Starts for Weirdo19_31:
(Start: 15 @28110 has 93 MA's), (23, 28185), (31, 28230), (36, 28266),

Gene: Wendigo_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Wendigo_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Windsor_15 Start: 13317, Stop: 13667, Start Num: 14
Candidate Starts for Windsor_15:
(Start: 14 @13317 has 244 MA's), (Start: 17 @13368 has 99 MA's), (19, 13380), (20, 13383), (22, 13392), (28, 13413), (50, 13608),

Gene: Wishmaker_34 Start: 30016, Stop: 30336, Start Num: 15
Candidate Starts for Wishmaker_34:
(Start: 15 @30016 has 93 MA's), (23, 30094), (27, 30109), (29, 30121), (32, 30151), (34, 30160), (38, 30196), (39, 30229), (45, 30283),

Gene: Xavier_15 Start: 13369, Stop: 13719, Start Num: 14
Candidate Starts for Xavier_15:
(Start: 14 @13369 has 244 MA's), (Start: 17 @13420 has 99 MA's), (19, 13432), (20, 13435), (22, 13444), (28, 13465), (50, 13660),

Gene: Xincheng_16 Start: 15249, Stop: 15569, Start Num: 17
Candidate Starts for Xincheng_16:
(Start: 14 @15198 has 244 MA's), (Start: 17 @15249 has 99 MA's), (19, 15261), (20, 15264), (22, 15273), (27, 15291), (32, 15327), (33, 15330), (34, 15336), (42, 15447),

Gene: YangYin_30 Start: 28570, Stop: 28923, Start Num: 15
Candidate Starts for YangYin_30:
(Start: 15 @28570 has 93 MA's), (18, 28621), (24, 28648), (27, 28660), (32, 28696), (33, 28699), (40, 28786), (44, 28822), (56, 28903),

Gene: Yoshand_16 Start: 13705, Stop: 14004, Start Num: 17
Candidate Starts for Yoshand_16:
(Start: 14 @13654 has 244 MA's), (Start: 17 @13705 has 99 MA's), (19, 13717), (20, 13720), (22, 13729), (28, 13750), (50, 13945),

Gene: YouGoGlencoco_16 Start: 13647, Stop: 13997, Start Num: 14
Candidate Starts for YouGoGlencoco_16:
(Start: 14 @13647 has 244 MA's), (Start: 17 @13698 has 99 MA's), (19, 13710), (20, 13713), (22, 13722), (28, 13743), (50, 13938),

Gene: Zaider_17 Start: 13880, Stop: 14230, Start Num: 14
Candidate Starts for Zaider_17:
(Start: 14 @13880 has 244 MA's), (Start: 17 @13931 has 99 MA's), (19, 13943), (20, 13946), (22, 13955), (28, 13976), (50, 14171),

Gene: Zelda_16 Start: 13650, Stop: 14000, Start Num: 14
Candidate Starts for Zelda_16:
(Start: 14 @13650 has 244 MA's), (Start: 17 @13701 has 99 MA's), (19, 13713), (20, 13716), (22, 13725), (28, 13746), (50, 13941),

Gene: Zemanar_17 Start: 15428, Stop: 15748, Start Num: 17
Candidate Starts for Zemanar_17:
(Start: 14 @15377 has 244 MA's), (Start: 17 @15428 has 99 MA's), (19, 15440), (20, 15443), (22, 15452), (27, 15470), (33, 15509), (42, 15626),

Gene: ZoMa_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for ZoMa_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Zombie_30 Start: 26790, Stop: 27110, Start Num: 15
Candidate Starts for Zombie_30:
(Start: 15 @26790 has 93 MA's), (20, 26853), (23, 26865), (25, 26871), (27, 26880), (30, 26895), (32, 26916), (33, 26919), (35, 26934), (37, 26949), (38, 26961), (46, 27039), (55, 27099),

Gene: Zonia_16 Start: 13664, Stop: 14014, Start Num: 14
Candidate Starts for Zonia_16:
(Start: 14 @13664 has 244 MA's), (Start: 17 @13715 has 99 MA's), (19, 13727), (20, 13730), (22, 13739), (28, 13760), (50, 13955),