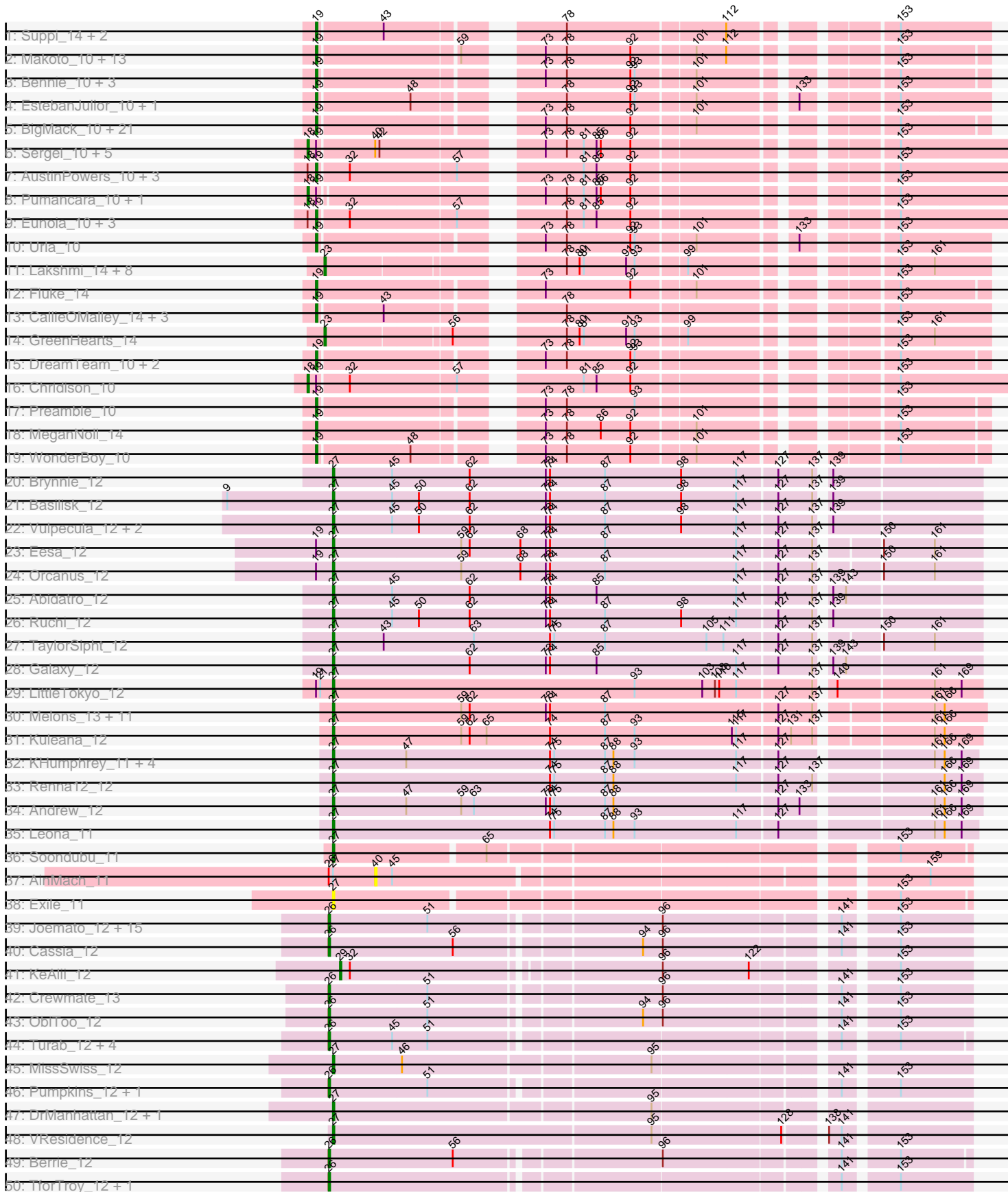
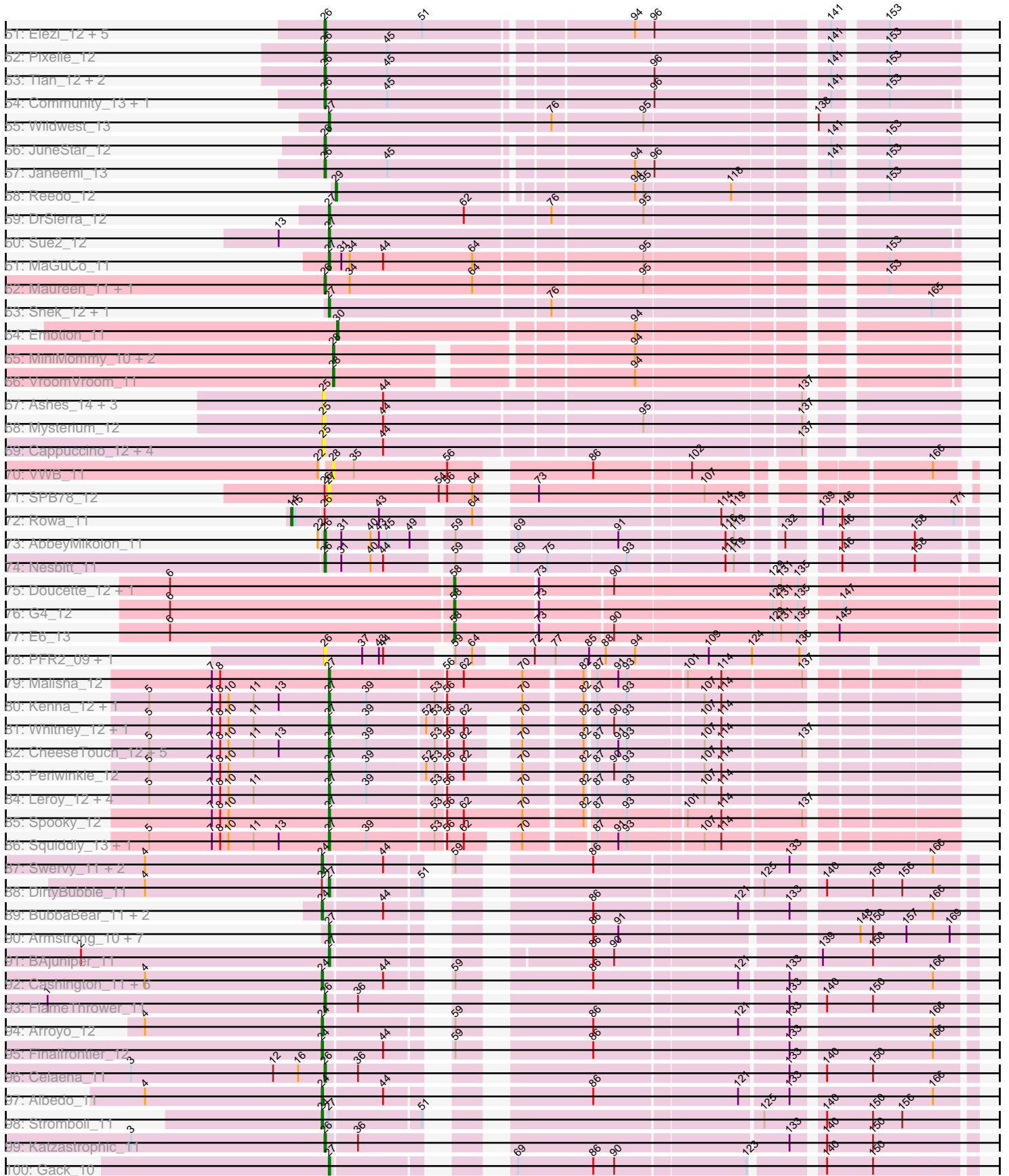


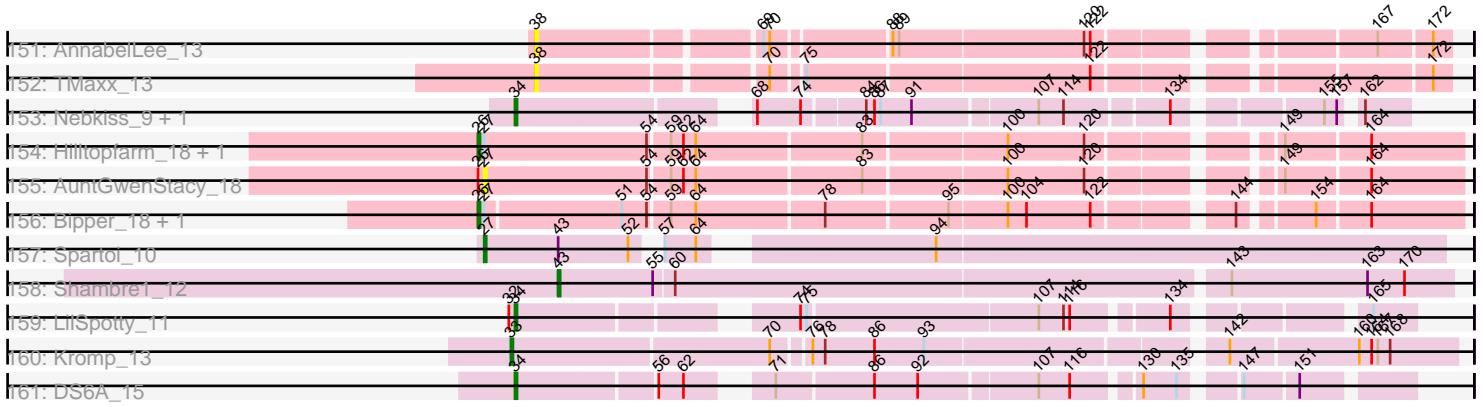
Pham 193661



Pham 193661



Pham 193661



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 193661 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 193661 has 340 members, 50 are drafts.

Phages represented in each track:

- Track 1 : Suppi_14, Canowicakte_14, Wayne_14
- Track 2 : Makoto_10, CristinaYang_10, Lasagna_10, Christian_10, Nancia_10, PitaDog_10, LilStuart_10, DrRobert_10, Bodacious_10, Lucy_10, Lennox_10, ChewChew_10, Pterodactyl_10, OurGirlNessie_10
- Track 3 : Bennie_10, HeadNerd_10, Huckleberry_10, Moki_10
- Track 4 : EstebanJulior_10, MamaPearl_10
- Track 5 : BigMack_10, Carpal_14, RAP15_14, Wawa_14, Potatoes_14, Cholula_14, Korra_14, Dino_14, Glenn_14, Vallejo_14, Scuttle_14, TattModd_14, Jumboset_14, BrotherBLo_14, Rozby_14, MrGloopy_14, Riverdale_14, Savage2526_14, Immaculata_14, Beethoven_14, Kalizoi_14, Zorro_14
- Track 6 : Sergei_10, KingBob_10, Temper16_10, Daiboju_10, Herb_10, Maria1952_10
- Track 7 : AustinPowers_10, HunterDalle_10, Vulture_10, Supakev_10
- Track 8 : Pumancara_10, PinkFriday_10
- Track 9 : Eunoia_10, Aledel_10, OMalley_10, Rivovina_10
- Track 10 : Urla_10
- Track 11 : Lakshmi_14, Albanese_14, Greenhouse_14, Joann_14, RcigaStruga_14, Huntingdon_14, Misaeng_14, Oxynfrius_14, Nubia_14
- Track 12 : Fluke_14
- Track 13 : CallieOMalley_14, AppleCider_14, Litotes_14, PartyCup_14
- Track 14 : GreenHearts_14
- Track 15 : DreamTeam_10, Kittykat_10, Gisselle_10
- Track 16 : Chridison_10
- Track 17 : Preamble_10
- Track 18 : MeganNoll_14
- Track 19 : WonderBoy_10
- Track 20 : Brynnie_12
- Track 21 : Basilisk_12
- Track 22 : Vulpecula_12, Chickaboom_11, Jamun_12
- Track 23 : Eesa_12
- Track 24 : Orcanus_12
- Track 25 : Abidatro_12
- Track 26 : Ruchi_12

- Track 27 : TaylorSipht_12
- Track 28 : Galaxy_12
- Track 29 : LittleTokyo_12
- Track 30 : Melons_13, Cote_13, Polka_12, Amelia_13, Bedetta_13, Lunar_13, Daob_13, Colusalem_12, Kepler_12, HannahPhantana_13, Jerole_13, Coral_12
- Track 31 : Kuleana_12
- Track 32 : KHumphrey_11, Juno112_11, PhluffyCoco_11, RedFox_11, Camara_11
- Track 33 : Renna12_12
- Track 34 : Andrew_12
- Track 35 : Leona_11
- Track 36 : Soondubu_11
- Track 37 : AinMach_11
- Track 38 : Exile_11
- Track 39 : Joemato_12, Iter_12, AGrandiflora_12, Cyan_12, Lego_12, YesChef_12, Lizalica_12, Simpson_13, Kaylissa_12, JohnDoe_12, Tutumahutu_12, Tbone_12, Powerpuff_12, Ascela_12, Mudpuppy_12, Warda_12
- Track 40 : Cassia_12
- Track 41 : KeAlii_12
- Track 42 : Crewmate_13
- Track 43 : ObiToo_12
- Track 44 : Turab_12, Tallboi_12, Adumb2043_12, AEgle_12, Nitro_12
- Track 45 : MissSwiss_12
- Track 46 : Pumpkins_12, IttyBittyPiggy_12
- Track 47 : DrManhattan_12, Adolin_12
- Track 48 : VResidence_12
- Track 49 : Berrie_12
- Track 50 : TforTroy_12, Yang_12
- Track 51 : Elezi_12, Eraser_12, London_12, Niobe_12, Asa16_12, Jstan_12
- Track 52 : Pixelle_12
- Track 53 : Tian_12, Amyev_12, Phives_13
- Track 54 : Community_13, Tuck_13
- Track 55 : Wildwest_13
- Track 56 : JuneStar_12
- Track 57 : Janeemi_13
- Track 58 : Reedo_12
- Track 59 : DrSierra_12
- Track 60 : Sue2_12
- Track 61 : MaGuCo_11
- Track 62 : Maureen_11, Liebe_11
- Track 63 : Snek_12, Tweety19_12
- Track 64 : Emotion_11
- Track 65 : MiniMommy_10, ShakeltOph_11, JasmineDragon_11
- Track 66 : VroomVroom_11
- Track 67 : Ashes_14, SpecialK_14, Halsey_15, Moss_14
- Track 68 : Mysterium_12
- Track 69 : Cappuccino_12, Kalimba_12, Donkey_12, Gambol_12, Sooty_12
- Track 70 : VWB_11
- Track 71 : SPB78_12
- Track 72 : Rowa_11
- Track 73 : AbbeyMikolon_11
- Track 74 : Nesbitt_11
- Track 75 : Doucette_12, B22_12
- Track 76 : G4_12

- Track 77 : E6_13
- Track 78 : PFR2_09, PFR1_09
- Track 79 : Malisha_12
- Track 80 : Kenna_12, Lutum_12
- Track 81 : Whitney_12, Getalong_12
- Track 82 : CheeseTouch_12, Budski_12, Phabuloso_12, LitninMcQueen_12, Kamaru_12, Holliday_12
- Track 83 : Periwinkle_12
- Track 84 : Leroy_12, Horus_12, Frickyeah_12, BENtherdunthat_12, Asapag_12
- Track 85 : Spooky_12
- Track 86 : Squiddly_13, Phistory_12
- Track 87 : Swervy_11, Slay_11, SarBear_11
- Track 88 : DirtyBubble_11
- Track 89 : BubbaBear_11, Kenzers_11, Lynlen_11
- Track 90 : Armstrong_10, Clayda5_10, Bernstein_10, Rollins_10, Coltrane_10, Vitas_10, Brahms_10, Skylord_10
- Track 91 : BAjuniper_11
- Track 92 : Cashington_11, Abigail_11, Burritobowl_11, DickRichards_11, Johnathan_11, SansAfet_11, LimaBean_11
- Track 93 : FlameThrower_11
- Track 94 : Arroyo_12
- Track 95 : Finalfrontier_12
- Track 96 : Celaena_11
- Track 97 : Albedo_11
- Track 98 : Stromboli_11
- Track 99 : Katzastrophic_11
- Track 100 : Gack_10
- Track 101 : Buldak_11
- Track 102 : Quenya_12
- Track 103 : Icarian_12
- Track 104 : CliffHanger_12
- Track 105 : Squirrel_11, Olliecat_11
- Track 106 : Kieran_11, Rona_11, ChiliPepper_11, Dismas_11, Sharkboy_11
- Track 107 : BabyDaisy_12, IndyLu_11, Kate33_11
- Track 108 : Eden_10
- Track 109 : Albright_11, CroZenni_11, Doobus_11
- Track 110 : Franklin22_10
- Track 111 : Stoor_11, SanaSana_12
- Track 112 : Didgeridoo_12
- Track 113 : Bachaco_11
- Track 114 : Phisb_11
- Track 115 : QMacho_12
- Track 116 : Nicky22_12
- Track 117 : TukTuk_11
- Track 118 : WalkingDead_11
- Track 119 : Jovita_11
- Track 120 : Teagster_10
- Track 121 : BabyYoda_11
- Track 122 : Avocadoman_11
- Track 123 : BelmontSKP_12, AnnaLie_12
- Track 124 : Elva_12
- Track 125 : Eula_11
- Track 126 : Shayna_10

- Track 127 : Loviatar_19
- Track 128 : Lahqtemish_11
- Track 129 : SunnyD_10
- Track 130 : AvGardian_11
- Track 131 : Zeta1847_10
- Track 132 : Floof_11, Percival_11, Gretchen_11
- Track 133 : Honk_10
- Track 134 : Caron_10
- Track 135 : Mabodamaca_11
- Track 136 : SuMoo_10
- Track 137 : IAmGroot_11, GardenState_11
- Track 138 : Cen1621_10
- Track 139 : Barnstormer_10, UtzChips_10
- Track 140 : Avani_13, Che9d_13, Yoshi_13, Demsculpinboyz_13, Blarby_14, Zapner_14, Jabbawokkie_14, Soul22_13
- Track 141 : BrayBeast_11
- Track 142 : Kumotta_12
- Track 143 : Sarge_11
- Track 144 : MargaretKali_12
- Track 145 : Shoya_10
- Track 146 : Aoka_12
- Track 147 : JanetJ_12
- Track 148 : CocoCinnamon_15
- Track 149 : EvenBluerMoon_14
- Track 150 : Maja_11
- Track 151 : AnnabelLee_13
- Track 152 : TMaxx_13
- Track 153 : Nebkiss_9, Gaia_9
- Track 154 : Hilltopfarm_18, Typha_18
- Track 155 : AuntGwenStacy_18
- Track 156 : Bipper_18, Cracklewink_18
- Track 157 : Spartoi_10
- Track 158 : Shambre1_12
- Track 159 : LilSpotty_11
- Track 160 : Kromp_13
- Track 161 : DS6A_15

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

The start number called the most often in the published annotations is 27, it was called in 75 of the 290 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abidatro_12, Adolin_12, Amelia_13, Andrew_12, Armstrong_10, Asapag_12, AuntGwenStacy_18, BAjuniper_11, BENtherdunthat_12, Barnstormer_10, Basilisk_12, Bedetta_13, Bernstein_10, Brahms_10, Brynnie_12, Budski_12, Camara_11, Caron_10, CheeseTouch_12, Chickaboom_11, Clayda5_10, Coltrane_10, Colusalem_12, Coral_12, Cote_13, Daob_13, DirtyBubble_11, DrManhattan_12, DrSierra_12, Eesa_12, Exile_11, Frickyeah_12, Gack_10, Galaxy_12, Getalong_12, HannahPhantana_13, Holliday_12, Horus_12, Jamun_12,

Jerole_13, Juno112_11, KHumphrey_11, Kamaru_12, Kenna_12, Kepler_12, Kuleana_12, Leona_11, Leroy_12, LitninMcQueen_12, LittleTokyo_12, Lunar_13, Lutum_12, MaGuCo_11, Mabodamaca_11, Malisha_12, Melons_13, MissSwiss_12, Orcanus_12, Periwinkle_12, Phabuloso_12, Phistory_12, PhluffyCoco_11, Polka_12, RedFox_11, Renna12_12, Rollins_10, Ruchi_12, SPB78_12, Skylord_10, Sneak_12, Soondubu_11, Spartoi_10, Spooky_12, Squiddly_13, SuMoo_10, Sue2_12, TaylorSipht_12, Tweety19_12, UtzChips_10, VResidence_12, Vitas_10, Vulpecula_12, Whitney_12, Wildwest_13,

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

- AinMach_11, BabyYoda_11, Bipper_18, Cracklewink_18, Eden_10, Franklin22_10, Hilltopfarm_18, Loviatar_19, SanaSana_12, Stoor_11, Stromboli_11, Typha_18, WalkingDead_11,

Genes that do not have the "Most Annotated" start:

- AEgle_12, AGrandiflora_12, AbbeyMikolon_11, Abigail_11, Adumb2043_12, Albanese_14, Albedo_11, Albright_11, Aledel_10, Amyev_12, AnnaLie_12, AnnabelLee_13, Aoka_12, AppleCider_14, Arroyo_12, Asa16_12, Ascela_12, Ashes_14, AustinPowers_10, AvGardian_11, Avani_13, Avocadoman_11, B22_12, BabyDaisy_12, Bachaco_11, Beethoven_14, BelmontSKP_12, Bennie_10, Berrie_12, BigMack_10, Blarby_14, Bodacious_10, BrayBeast_11, BrotherBLO_14, BubbaBear_11, Buldak_11, Burritobowl_11, CallieOMalley_14, Canowicakte_14, Cappuccino_12, Carpal_14, Cashington_11, Cassia_12, Celaena_11, Cen1621_10, Che9d_13, ChewChew_10, ChiliPepper_11, Cholula_14, Chridison_10, Christian_10, CliffHanger_12, CocoCinnamon_15, Community_13, Crewmate_13, CristinaYang_10, CroZenni_11, Cyan_12, DS6A_15, Daiboju_10, Demsculpinboyz_13, DickRichards_11, Didgeridoo_12, Dino_14, Dismas_11, Donkey_12, Doobus_11, Doucette_12, DrRobert_10, DreamTeam_10, E6_13, Elezi_12, Elva_12, Emotion_11, Eraser_12, EstebanJulior_10, Eula_11, Eunoia_10, EvenBluerMoon_14, Finalfrontier_12, FlameThrower_11, Floof_11, Fluke_14, G4_12, Gaia_9, Gambol_12, GardenState_11, Gisselle_10, Glenn_14, GreenHearts_14, Greenhouse_14, Gretchen_11, Halsey_15, HeadNerd_10, Herb_10, Honk_10, Huckleberry_10, HunterDalle_10, Huntingdon_14, IAmGroot_11, Icarian_12, Immaculata_14, IndyLu_11, Iter_12, IttyBittyPiggy_12, Jabbawokkie_14, Janeemi_13, JanetJ_12, JasmineDragon_11, Joann_14, Joemato_12, JohnDoe_12, Johnathan_11, Jovita_11, Jstan_12, Jumboset_14, JuneStar_12, Kalimba_12, Kalizoi_14, Kate33_11, Katzastrophic_11, Kaylissa_12, KeAlii_12, Kenzers_11, Kieran_11, KingBob_10, Kittykat_10, Korra_14, Kromp_13, Kumotta_12, Lahqtemish_11, Lakshmi_14, Lasagna_10, Lego_12, Lennox_10, Liebe_11, LilSpotty_11, LilStuart_10, LimaBean_11, Litotes_14, Lizalica_12, London_12, Lucy_10, Lynlen_11, Maja_11, Makoto_10, MamaPearl_10, MargaretKali_12, Maria1952_10, Maureen_11, MeganNoll_14, MiniMommy_10, Misaeng_14, Moki_10, Moss_14, MrGloopy_14, Mudpuppy_12, Mysterium_12, Nancia_10, Nebkiss_9, Nesbitt_11, Nicky22_12, Niobe_12, Nitro_12, Nubia_14, OMalley_10, ObiToo_12, Olliecat_11, OurGirlNessie_10, Oxynfrius_14, PFR1_09, PFR2_09, PartyCup_14, Percival_11, Phisb_11, Phives_13, PinkFriday_10, PitaDog_10, Pixelle_12, Potatoes_14, Powerpuff_12, Preamble_10, Pterodactyl_10, Pumancara_10, Pumpkins_12, QMacho_12, Quenya_12, RAP15_14, RcigaStruga_14, Reedo_12, Rivovina_10, Riverdale_14, Rona_11, Rowa_11, Rozby_14, SansAfet_11, SarBear_11, Sarge_11, Savage2526_14, Scuttle_14, Sergei_10, ShakeltOph_11, Shambre1_12, Sharkboy_11, Shayna_10, Shoya_10, Simpson_13, Slay_11, Sooty_12, Soul22_13, SpecialK_14, Squircle_11, SunnyD_10, Supakev_10, Suppi_14, Swervy_11, TMaxx_13, Tallboi_12, TattModd_14, Tbone_12,

Teagster_10, Temper16_10, TforTroy_12, Tian_12, Tuck_13, TukTuk_11, Turab_12, Tutumahutu_12, Urla_10, VWB_11, Vallejo_14, VroomVroom_11, Vulture_10, Warda_12, Wawa_14, Wayne_14, WonderBoy_10, Yang_12, YesChef_12, Yoshi_13, Zapner_14, Zeta1847_10, Zorro_14,

Summary by start number:

Start 14:

- Found in 1 of 340 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 290
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rowa_11 (BL),

Start 17:

- Found in 8 of 340 (2.4%) of genes in pham
- Manual Annotations of this start: 7 of 290
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avani_13 (F2), Blarby_14 (F), Che9d_13 (F2), Demsculpinboyz_13 (F2), Jabbawokkie_14 (F2), Soul22_13 (F2), Yoshi_13 (F2), Zapner_14 (F2),

Start 18:

- Found in 17 of 340 (5.0%) of genes in pham
- Manual Annotations of this start: 9 of 290
- Called 52.9% of time when present
- Phage (with cluster) where this start called: Chridison_10 (AK), Daiboju_10 (AK), Herb_10 (AK), KingBob_10 (AK), Maria1952_10 (AK), PinkFriday_10 (AK), Pumancara_10 (AK), Sergei_10 (AK), Temper16_10 (AK),

Start 19:

- Found in 77 of 340 (22.6%) of genes in pham
- Manual Annotations of this start: 64 of 290
- Called 84.4% of time when present
- Phage (with cluster) where this start called: Aledel_10 (AK), AppleCider_14 (AK), AustinPowers_10 (AK), Beethoven_14 (AK), Bennie_10 (AK), BigMack_10 (AK), Bodacious_10 (AK), BrotherBLo_14 (AK), CallieOMalley_14 (AK), Canowicakte_14 (AK), Carpal_14 (AK), ChewChew_10 (AK), Cholula_14 (AK), Christian_10 (AK), CristinaYang_10 (AK), Dino_14 (AK), DrRobert_10 (AK), DreamTeam_10 (AK), EstebanJulior_10 (AK), Eunoia_10 (AK), Fluke_14 (AK), Gisselle_10 (AK), Glenn_14 (AK), HeadNerd_10 (AK), Huckleberry_10 (AK), HunterDalle_10 (AK), Immaculata_14 (AK), Jumboset_14 (AK), Kalizoi_14 (AK), Kittykat_10 (AK), Korra_14 (AK), Lasagna_10 (AK), Lennox_10 (AK), LilStuart_10 (AK), Litotes_14 (AK), Lucy_10 (AK), Makoto_10 (AK), MamaPearl_10 (AK), MeganNoll_14 (AK), Moki_10 (AK), MrGloopy_14 (AK), Nancia_10 (AK), OMalley_10 (AK), OurGirlNessie_10 (AK), PartyCup_14 (AK), PitaDog_10 (AK), Potatoes_14 (AK), Preamble_10 (AK), Pterodactyl_10 (AK), RAP15_14 (AK), Rivovina_10 (AK), Riverdale_14 (AK), Rozby_14 (AK), Savage2526_14 (AK), Scuttle_14 (AK), Supakev_10 (AK), Suppi_14 (AK), TattModd_14 (AK), Urla_10 (AK), Vallejo_14 (AK), Vulture_10 (AK), Wawa_14 (AK), Wayne_14 (AK), WonderBoy_10 (AK), Zorro_14 (AK),

Start 20:

- Found in 6 of 340 (1.8%) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Buldak_11 (EB), Olliecat_11 (EB), Shayna_10 (EB), Squirrel_11 (EB), SunnyD_10 (EB), Teagster_10 (EB),

Start 21:

- Found in 4 of 340 (1.2%) of genes in pham
- Manual Annotations of this start: 2 of 290
- Called 75.0% of time when present
- Phage (with cluster) where this start called: CliffHanger_12 (EB), Eden_10 (EB), Franklin22_10 (EB),

Start 23:

- Found in 10 of 340 (2.9%) of genes in pham
- Manual Annotations of this start: 10 of 290
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Albanese_14 (AK), GreenHearts_14 (AK), Greenhouse_14 (AK), Huntingdon_14 (AK), Joann_14 (AK), Lakshmi_14 (AK), Misaeng_14 (AK), Nubia_14 (AK), Oxynfrius_14 (AK), RcigaStruga_14 (AK),

Start 24:

- Found in 40 of 340 (11.8%) of genes in pham
- Manual Annotations of this start: 35 of 290
- Called 97.5% of time when present
- Phage (with cluster) where this start called: Abigail_11 (EB), Albedo_11 (EB), Albright_11 (EB), AnnaLie_12 (EB), Arroyo_12 (EB), Avocadoman_11 (EB), BabyDaisy_12 (EB), BabyYoda_11 (EB), BelmontSKP_12 (EB), BubbaBear_11 (EB), Burritobowl_11 (EB), Cashington_11 (EB), CroZenni_11 (EB), DickRichards_11 (EB), Doobus_11 (EB), Elva_12 (EB), Eula_11 (EB), Finalfrontier_12 (EB), Icarian_12 (EB), IndyLu_11 (EB), Johnathan_11 (EB), Jovita_11 (EB), Kate33_11 (EB), Kenzers_11 (EB), LimaBean_11 (EB), Loviatar_19 (EB), Lynlen_11 (EB), Nicky22_12 (EB), Phisb_11 (EB), QMacho_12 (EB), SanaSana_12 (EB), SansAfet_11 (EB), SarBear_11 (EB), Slay_11 (EB), Stoor_11 (EB), Stromboli_11 (EB), Swervy_11 (EB), TukTuk_11 (EB), WalkingDead_11 (EB),

Start 25:

- Found in 11 of 340 (3.2%) of genes in pham
- Manual Annotations of this start: 1 of 290
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ashes_14 (AZ5), Cappuccino_12 (AZ5), Donkey_12 (AZ5), Gambol_12 (AZ5), Halsey_15 (AZ5), Kalimba_12 (AZ5), Moss_14 (AZ5), Mysterium_12 (AZ5), Sooty_12 (AZ5), SpecialK_14 (AZ5), Zeta1847_10 (EH),

Start 26:

- Found in 77 of 340 (22.6%) of genes in pham
- Manual Annotations of this start: 63 of 290
- Called 94.8% of time when present
- Phage (with cluster) where this start called: AEgle_12 (AZ1), AGrandiflora_12 (AZ1), AbbeyMikolon_11 (BL), Adumb2043_12 (AZ1), Amyev_12 (AZ1), Asa16_12 (AZ1), Ascela_12 (AZ1), AvGardian_11 (EB), Bachaco_11 (EB), Berrie_12 (AZ1), Bipper_18 (Y), Cassia_12 (AZ1), Celaena_11 (EB), Cen1621_10 (EH), ChiliPepper_11 (EB), Community_13 (AZ1), Cracklewink_18 (Y), Crewmate_13 (AZ1), Cyan_12 (AZ1), Didgeridoo_12 (EB), Dismas_11 (EB), Elezi_12 (AZ1), Eraser_12 (AZ1), FlameThrower_11 (EB), Floop_11 (EH), GardenState_11 (EH), Gretchen_11 (EH),

Hilltopfarm_18 (Y), Honk_10 (EH), IAmGroot_11 (EH), Iter_12 (AZ1), IttyBittyPiggy_12 (AZ1), Janeemi_13 (AZ1), Joemato_12 (AZ1), JohnDoe_12 (AZ1), Jstan_12 (AZ1), JuneStar_12 (AZ1), Katzastrophic_11 (EB), Kaylissa_12 (AZ1), Kieran_11 (EB), Lahqtemish_11 (EB), Lego_12 (AZ1), Liebe_11 (AZ2), Lizalica_12 (AZ1), London_12 (AZ1), Maureen_11 (AZ2), Mudpuppy_12 (AZ1), Nesbitt_11 (BL), Niobe_12 (AZ1), Nitro_12 (AZ1), ObiToo_12 (AZ1), PFR1_09 (BX), PFR2_09 (BX), Percival_11 (EH), Phives_13 (AZ1), Pixelle_12 (AZ1), Powerpuff_12 (AZ1), Pumpkins_12 (AZ1), Quenya_12 (EB), Rona_11 (EB), Sharkboy_11 (EB), Simpson_13 (AZ1), Tallboi_12 (AZ1), Tbone_12 (AZ1), TforTroy_12 (AZ1), Tian_12 (AZ1), Tuck_13 (AZ1), Turab_12 (AZ1), Tutumahutu_12 (AZ1), Typha_18 (Y), Warda_12 (AZ1), Yang_12 (AZ1), YesChef_12 (AZ1),

Start 27:

- Found in 97 of 340 (28.5%) of genes in pham
- Manual Annotations of this start: 75 of 290
- Called 86.6% of time when present
- Phage (with cluster) where this start called: Abidatro_12 (AS1), Adolin_12 (AZ1), Amelia_13 (AS2), Andrew_12 (AS3), Armstrong_10 (EB), Asapag_12 (DN1), AuntGwenStacy_18 (Y), BAjuniper_11 (EB), BENtherdunthat_12 (DN1), Barnstormer_10 (EH), Basilisk_12 (AS1), Bedetta_13 (AS2), Bernstein_10 (EB), Brahms_10 (EB), Brynnie_12 (AS1), Budski_12 (DN), Camara_11 (AS3), Caron_10 (EH), CheeseTouch_12 (DN1), Chickaboom_11 (AS1), Clayda5_10 (EB), Coltrane_10 (EB), Colusalem_12 (AS2), Coral_12 (AS2), Cote_13 (AS2), Daob_13 (AS2), DirtyBubble_11 (EB), DrManhattan_12 (AZ1), DrSierra_12 (AZ1), Eesa_12 (AS1), Exile_11 (AZ), Frickyeah_12 (DN1), Gack_10 (EB), Galaxy_12 (AS1), Getalong_12 (DN1), HannahPhantana_13 (AS2), Holliday_12 (DN1), Horus_12 (DN1), Jamun_12 (AS1), Jerole_13 (AS2), Juno112_11 (AS3), KHumphrey_11 (AS3), Kamaru_12 (DN1), Kenna_12 (DN1), Kepler_12 (AS2), Kuleana_12 (AS2), Leona_11 (AS3), Leroy_12 (DN1), LitninMcQueen_12 (DN1), LittleTokyo_12 (AS2), Lunar_13 (AS2), Lutum_12 (DN1), MaGuCo_11 (AZ2), Mabodamaca_11 (EH), Malisha_12 (DN), Melons_13 (AS2), MissSwiss_12 (AZ1), Orcanus_12 (AS1), Periwinkle_12 (DN1), Phabuloso_12 (DN1), Phistory_12 (DN1), PhluffyCoco_11 (AS3), Polka_12 (AS2), RedFox_11 (AS3), Renna12_12 (AS3), Rollins_10 (EB), Ruchi_12 (AS1), SPB78_12 (BA), Skylord_10 (EB), Snek_12 (AZ3), Soondubu_11 (AZ), Spartoi_10 (singleton), Spooky_12 (DN2), Squiddly_13 (DN2), SuMoo_10 (EH), Sue2_12 (AZ1), TaylorSipht_12 (AS1), Tweety19_12 (AZ3), UtzChips_10 (EH), VResidence_12 (AZ1), Vitas_10 (EB), Vulpecula_12 (AS1), Whitney_12 (DN1), Wildwest_13 (AZ1),

Start 28:

- Found in 5 of 340 (1.5%) of genes in pham
- Manual Annotations of this start: 2 of 290
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JasmineDragon_11 (AZ4), MiniMommy_10 (AZ4), ShakeltOph_11 (AZ4), VWB_11 (BA), VroomVroom_11 (AZ4),

Start 29:

- Found in 2 of 340 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 290
- Called 100.0% of time when present
- Phage (with cluster) where this start called: KeAlii_12 (AZ1), Reedo_12 (AZ1),

Start 30:

- Found in 1 of 340 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 290
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Emotion_11 (AZ4),

Start 33:

- Found in 1 of 340 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 290
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kromp_13 (singleton),

Start 34:

- Found in 17 of 340 (5.0%) of genes in pham
- Manual Annotations of this start: 4 of 290
- Called 23.5% of time when present
- Phage (with cluster) where this start called: DS6A_15 (singleton), Gaia_9 (X), LilSpotty_11 (singleton), Nebkiss_9 (X),

Start 38:

- Found in 2 of 340 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnnabelLee_13 (FR), TMaxx_13 (FR),

Start 40:

- Found in 9 of 340 (2.6%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: AinMach_11 (AZ),

Start 41:

- Found in 10 of 340 (2.9%) of genes in pham
- Manual Annotations of this start: 8 of 290
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aoka_12 (FO), BrayBeast_11 (FB), CocoCinnamon_15 (FO), EvenBluerMoon_14 (FO), JanetJ_12 (FO), Kumotta_12 (FB), Maja_11 (FO), MargaretKali_12 (FB), Sarge_11 (FB), Shoya_10 (FB),

Start 43:

- Found in 14 of 340 (4.1%) of genes in pham
- Manual Annotations of this start: 1 of 290
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Shambre1_12 (singleton),

Start 58:

- Found in 4 of 340 (1.2%) of genes in pham
- Manual Annotations of this start: 4 of 290
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B22_12 (BW), Doucette_12 (BW), E6_13 (BW), G4_12 (BW),

Summary by clusters:

There are 27 clusters represented in this pham: DN, FR, BA, BL, singleton, FB, BW, BX, FO, DN1, DN2, AS3, AS2, AS1, EH, F, AK, EB, Y, X, AZ, F2, AZ1, AZ2, AZ3, AZ4, AZ5,

Info for manual annotations of cluster AK:

- Start number 18 was manually annotated 9 times for cluster AK.
- Start number 19 was manually annotated 64 times for cluster AK.
- Start number 23 was manually annotated 10 times for cluster AK.

Info for manual annotations of cluster AS1:

- Start number 27 was manually annotated 11 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 27 was manually annotated 11 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 27 was manually annotated 6 times for cluster AS3.

Info for manual annotations of cluster AZ:

- Start number 27 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:

- Start number 26 was manually annotated 35 times for cluster AZ1.
- Start number 27 was manually annotated 7 times for cluster AZ1.
- Start number 29 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 26 was manually annotated 2 times for cluster AZ2.
- Start number 27 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 27 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 28 was manually annotated 2 times for cluster AZ4.
- Start number 30 was manually annotated 1 time for cluster AZ4.

Info for manual annotations of cluster BL:

- Start number 14 was manually annotated 1 time for cluster BL.
- Start number 26 was manually annotated 2 times for cluster BL.

Info for manual annotations of cluster BW:

- Start number 58 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster DN:

- Start number 27 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 27 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 27 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster EB:

- Start number 21 was manually annotated 2 times for cluster EB.
- Start number 24 was manually annotated 35 times for cluster EB.
- Start number 26 was manually annotated 13 times for cluster EB.
- Start number 27 was manually annotated 11 times for cluster EB.

Info for manual annotations of cluster EH:

- Start number 25 was manually annotated 1 time for cluster EH.
- Start number 26 was manually annotated 7 times for cluster EH.
- Start number 27 was manually annotated 5 times for cluster EH.

Info for manual annotations of cluster F2:

- Start number 17 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster FB:

- Start number 41 was manually annotated 5 times for cluster FB.

Info for manual annotations of cluster FO:

- Start number 41 was manually annotated 3 times for cluster FO.

Info for manual annotations of cluster X:

- Start number 34 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 26 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: AEgle_12 Start: 9049, Stop: 9459, Start Num: 26

Candidate Starts for AEgle_12:

(Start: 26 @9049 has 63 MA's), (45, 9094), (51, 9118), (141, 9379), (153, 9412),

Gene: AGrandiflora_12 Start: 9036, Stop: 9449, Start Num: 26

Candidate Starts for AGrandiflora_12:

(Start: 26 @9036 has 63 MA's), (51, 9105), (96, 9255), (141, 9366), (153, 9399),

Gene: AbbeyMikolon_11 Start: 7783, Stop: 8178, Start Num: 26

Candidate Starts for AbbeyMikolon_11:

(22, 7780), (Start: 26 @7783 has 63 MA's), (31, 7795), (40, 7816), (Start: 43 @7822 has 1 MA's), (45, 7828), (49, 7843), (59, 7864), (69, 7888), (91, 7957), (116, 8029), (119, 8035), (132, 8062), (146, 8092), (158, 8140),

Gene: Abidatro_12 Start: 8321, Stop: 8764, Start Num: 27

Candidate Starts for Abidatro_12:

(Start: 27 @8321 has 75 MA's), (45, 8363), (62, 8417), (73, 8471), (74, 8474), (85, 8507), (117, 8606), (127, 8633), (137, 8657), (139, 8663), (143, 8672),

Gene: Abigail_11 Start: 8030, Stop: 8425, Start Num: 24

Candidate Starts for Abigail_11:

(4, 7904), (Start: 24 @8030 has 35 MA's), (44, 8069), (59, 8096), (86, 8174), (121, 8273), (133, 8306), (166, 8399),

Gene: Adolin_12 Start: 9024, Stop: 9440, Start Num: 27

Candidate Starts for Adolin_12:

(Start: 27 @9024 has 75 MA's), (95, 9240),

Gene: Adumb2043_12 Start: 9048, Stop: 9458, Start Num: 26

Candidate Starts for Adumb2043_12:

(Start: 26 @9048 has 63 MA's), (45, 9093), (51, 9117), (141, 9378), (153, 9411),

Gene: AinMach_11 Start: 8183, Stop: 8566, Start Num: 40

Candidate Starts for AinMach_11:

(Start: 26 @8150 has 63 MA's), (Start: 27 @8153 has 75 MA's), (40, 8183), (45, 8195), (159, 8537),

Gene: Albanese_14 Start: 10476, Stop: 10886, Start Num: 23

Candidate Starts for Albanese_14:

(Start: 23 @10476 has 10 MA's), (78, 10620), (80, 10629), (81, 10632), (91, 10662), (93, 10668), (99, 10701), (153, 10824), (161, 10848),

Gene: Albedo_11 Start: 7905, Stop: 8300, Start Num: 24

Candidate Starts for Albedo_11:

(4, 7779), (Start: 24 @7905 has 35 MA's), (44, 7944), (86, 8049), (121, 8148), (133, 8181), (166, 8274),

Gene: Albright_11 Start: 7911, Stop: 8306, Start Num: 24

Candidate Starts for Albright_11:

(4, 7785), (Start: 24 @7911 has 35 MA's), (59, 7977), (86, 8055), (121, 8154), (133, 8187), (166, 8280),

Gene: Aledel_10 Start: 7551, Stop: 7982, Start Num: 19

Candidate Starts for Aledel_10:

(Start: 18 @7545 has 9 MA's), (Start: 19 @7551 has 64 MA's), (32, 7572), (57, 7644), (78, 7701), (81, 7713), (85, 7722), (92, 7746), (153, 7905),

Gene: Amelia_13 Start: 8497, Stop: 8940, Start Num: 27

Candidate Starts for Amelia_13:

(Start: 27 @8497 has 75 MA's), (59, 8587), (62, 8593), (73, 8647), (74, 8650), (87, 8689), (127, 8809), (137, 8833), (161, 8905), (166, 8911),

Gene: Amyev_12 Start: 9064, Stop: 9477, Start Num: 26

Candidate Starts for Amyev_12:

(Start: 26 @9064 has 63 MA's), (45, 9109), (96, 9283), (141, 9394), (153, 9427),

Gene: Andrew_12 Start: 8281, Stop: 8724, Start Num: 27

Candidate Starts for Andrew_12:

(Start: 27 @8281 has 75 MA's), (47, 8332), (59, 8371), (63, 8380), (73, 8431), (74, 8434), (75, 8437), (87, 8473), (88, 8479), (127, 8593), (133, 8608), (161, 8692), (166, 8698), (169, 8710),

Gene: AnnaLie_12 Start: 8320, Stop: 8715, Start Num: 24

Candidate Starts for AnnaLie_12:

(4, 8194), (Start: 24 @8320 has 35 MA's), (44, 8359), (59, 8386), (86, 8464), (121, 8563), (133, 8596), (166, 8689),

Gene: AnnabelLee_13 Start: 7727, Stop: 8119, Start Num: 38

Candidate Starts for AnnabelLee_13:

(38, 7727), (69, 7826), (70, 7829), (88, 7880), (89, 7883), (120, 7970), (122, 7973), (167, 8087), (172, 8111),

Gene: Aoka_12 Start: 8710, Stop: 9090, Start Num: 41

Candidate Starts for Aoka_12:

(Start: 41 @8710 has 8 MA's), (100, 8923), (106, 8935), (138, 9007), (145, 9022),

Gene: AppleCider_14 Start: 10411, Stop: 10824, Start Num: 19

Candidate Starts for AppleCider_14:

(Start: 19 @10411 has 64 MA's), (Start: 43 @10456 has 1 MA's), (78, 10558), (153, 10762),

Gene: Armstrong_10 Start: 7692, Stop: 8081, Start Num: 27

Candidate Starts for Armstrong_10:

(Start: 27 @7692 has 75 MA's), (86, 7833), (91, 7851), (148, 8004), (150, 8013), (157, 8037), (169, 8067),

Gene: Arroyo_12 Start: 8381, Stop: 8776, Start Num: 24

Candidate Starts for Arroyo_12:

(4, 8255), (Start: 24 @8381 has 35 MA's), (59, 8447), (86, 8525), (121, 8624), (133, 8657), (166, 8750),

Gene: Asa16_12 Start: 9018, Stop: 9428, Start Num: 26

Candidate Starts for Asa16_12:

(Start: 26 @9018 has 63 MA's), (51, 9087), (94, 9225), (96, 9237), (141, 9348), (153, 9381),

Gene: Asapag_12 Start: 7041, Stop: 7451, Start Num: 27

Candidate Starts for Asapag_12:

(5, 6912), (7, 6957), (8, 6963), (10, 6969), (11, 6987), (Start: 27 @7041 has 75 MA's), (39, 7068), (53, 7113), (56, 7119), (70, 7173), (82, 7212), (87, 7218), (93, 7239), (107, 7290), (114, 7302),

Gene: Ascela_12 Start: 9053, Stop: 9463, Start Num: 26

Candidate Starts for Ascela_12:

(Start: 26 @9053 has 63 MA's), (51, 9122), (96, 9272), (141, 9383), (153, 9416),

Gene: Ashes_14 Start: 8547, Stop: 8966, Start Num: 25

Candidate Starts for Ashes_14:

(Start: 25 @8547 has 1 MA's), (44, 8589), (137, 8871),

Gene: AuntGwenStacy_18 Start: 11997, Stop: 12434, Start Num: 27

Candidate Starts for AuntGwenStacy_18:

(Start: 26 @11994 has 63 MA's), (Start: 27 @11997 has 75 MA's), (54, 12075), (59, 12084), (62, 12090), (64, 12096), (83, 12174), (100, 12240), (120, 12276), (149, 12351), (164, 12390),

Gene: AustinPowers_10 Start: 7552, Stop: 7983, Start Num: 19

Candidate Starts for AustinPowers_10:

(Start: 18 @7546 has 9 MA's), (Start: 19 @7552 has 64 MA's), (32, 7573), (57, 7645), (81, 7714), (85, 7723), (92, 7747), (153, 7906),

Gene: AvGardian_11 Start: 7970, Stop: 8365, Start Num: 26

Candidate Starts for AvGardian_11:

(Start: 26 @7970 has 63 MA's), (51, 8033), (86, 8114), (107, 8189), (121, 8213), (133, 8246), (140, 8264), (166, 8339),

Gene: Avani_13 Start: 7213, Stop: 7617, Start Num: 17

Candidate Starts for Avani_13:

(Start: 17 @7213 has 7 MA's), (Start: 34 @7246 has 4 MA's), (64, 7306), (86, 7372), (127, 7492), (132, 7504), (146, 7540), (152, 7570),

Gene: Avocadoman_11 Start: 7969, Stop: 8364, Start Num: 24

Candidate Starts for Avocadoman_11:

(Start: 24 @7969 has 35 MA's), (44, 8008), (59, 8035), (86, 8113), (121, 8212), (133, 8245), (166, 8338),

Gene: B22_12 Start: 7687, Stop: 8055, Start Num: 58

Candidate Starts for B22_12:

(6, 7486), (Start: 58 @7687 has 4 MA's), (73, 7744), (90, 7795), (129, 7906), (131, 7912), (135, 7924),

Gene: BAjuniper_11 Start: 7857, Stop: 8243, Start Num: 27

Candidate Starts for BAjuniper_11:

(2, 7680), (Start: 27 @7857 has 75 MA's), (86, 7995), (90, 8010), (139, 8139), (150, 8175),

Gene: BENtherdunthat_12 Start: 7041, Stop: 7451, Start Num: 27

Candidate Starts for BENtherdunthat_12:

(5, 6912), (7, 6957), (8, 6963), (10, 6969), (11, 6987), (Start: 27 @7041 has 75 MA's), (39, 7068), (53, 7113), (56, 7119), (70, 7173), (82, 7212), (87, 7218), (93, 7239), (107, 7290), (114, 7302),

Gene: BabyDaisy_12 Start: 8133, Stop: 8531, Start Num: 24

Candidate Starts for BabyDaisy_12:

(Start: 24 @8133 has 35 MA's), (121, 8379), (156, 8484),

Gene: BabyYoda_11 Start: 8162, Stop: 8557, Start Num: 24

Candidate Starts for BabyYoda_11:

(4, 8036), (Start: 24 @8162 has 35 MA's), (Start: 27 @8165 has 75 MA's), (51, 8225), (125, 8420), (140, 8456), (150, 8489), (156, 8510),

Gene: Bachaco_11 Start: 8051, Stop: 8449, Start Num: 26

Candidate Starts for Bachaco_11:

(1, 7853), (2, 7877), (3, 7913), (Start: 26 @8051 has 63 MA's), (36, 8072), (133, 8330), (140, 8348), (150, 8381),

Gene: Barnstormer_10 Start: 8216, Stop: 8632, Start Num: 27

Candidate Starts for Barnstormer_10:

(Start: 27 @8216 has 75 MA's), (102, 8456), (130, 8513),

Gene: Basilisk_12 Start: 8645, Stop: 9088, Start Num: 27

Candidate Starts for Basilisk_12:

(9, 8570), (Start: 27 @8645 has 75 MA's), (45, 8687), (50, 8705), (62, 8741), (73, 8795), (74, 8798), (87, 8837), (98, 8891), (117, 8930), (127, 8957), (137, 8981), (139, 8987),

Gene: Bedetta_13 Start: 8497, Stop: 8940, Start Num: 27

Candidate Starts for Bedetta_13:

(Start: 27 @8497 has 75 MA's), (59, 8587), (62, 8593), (73, 8647), (74, 8650), (87, 8689), (127, 8809), (137, 8833), (161, 8905), (166, 8911),

Gene: Beethoven_14 Start: 10371, Stop: 10784, Start Num: 19

Candidate Starts for Beethoven_14:

(Start: 19 @10371 has 64 MA's), (73, 10506), (78, 10521), (92, 10566), (101, 10608), (153, 10725),

Gene: BelmontSKP_12 Start: 8320, Stop: 8715, Start Num: 24

Candidate Starts for BelmontSKP_12:

(4, 8194), (Start: 24 @8320 has 35 MA's), (44, 8359), (59, 8386), (86, 8464), (121, 8563), (133, 8596), (166, 8689),

Gene: Bennie_10 Start: 7516, Stop: 7926, Start Num: 19

Candidate Starts for Bennie_10:

(Start: 19 @7516 has 64 MA's), (73, 7648), (78, 7663), (92, 7708), (93, 7711), (101, 7750), (153, 7867),

Gene: Bernstein_10 Start: 7752, Stop: 8141, Start Num: 27

Candidate Starts for Bernstein_10:

(Start: 27 @7752 has 75 MA's), (86, 7893), (91, 7911), (148, 8064), (150, 8073), (157, 8097), (169, 8127),

Gene: Berrie_12 Start: 9020, Stop: 9430, Start Num: 26

Candidate Starts for Berrie_12:

(Start: 26 @9020 has 63 MA's), (56, 9107), (96, 9239), (141, 9350), (153, 9383),

Gene: BigMack_10 Start: 7516, Stop: 7926, Start Num: 19

Candidate Starts for BigMack_10:

(Start: 19 @7516 has 64 MA's), (73, 7648), (78, 7663), (92, 7708), (101, 7750), (153, 7867),

Gene: Bipper_18 Start: 12080, Stop: 12517, Start Num: 26

Candidate Starts for Bipper_18:

(Start: 26 @12080 has 63 MA's), (Start: 27 @12083 has 75 MA's), (51, 12146), (54, 12158), (59, 12167), (64, 12179), (78, 12239), (95, 12296), (100, 12323), (104, 12332), (122, 12362), (144, 12419), (154, 12449), (164, 12473),

Gene: Blarby_14 Start: 7737, Stop: 8141, Start Num: 17

Candidate Starts for Blarby_14:

(Start: 17 @7737 has 7 MA's), (Start: 34 @7770 has 4 MA's), (64, 7830), (86, 7896), (127, 8016), (132, 8028), (146, 8064), (152, 8094),

Gene: Bodacious_10 Start: 7514, Stop: 7924, Start Num: 19

Candidate Starts for Bodacious_10:

(Start: 19 @7514 has 64 MA's), (59, 7607), (73, 7646), (78, 7661), (92, 7706), (101, 7748), (112, 7769), (153, 7865),

Gene: Brahms_10 Start: 7692, Stop: 8081, Start Num: 27

Candidate Starts for Brahms_10:

(Start: 27 @7692 has 75 MA's), (86, 7833), (91, 7851), (148, 8004), (150, 8013), (157, 8037), (169, 8067),

Gene: BrayBeast_11 Start: 7602, Stop: 7979, Start Num: 41

Candidate Starts for BrayBeast_11:

(Start: 41 @7602 has 8 MA's), (61, 7659), (75, 7716), (83, 7743), (90, 7764), (93, 7770), (130, 7872), (145, 7908), (153, 7941),

Gene: BrotherBLo_14 Start: 10378, Stop: 10791, Start Num: 19

Candidate Starts for BrotherBLo_14:

(Start: 19 @10378 has 64 MA's), (73, 10513), (78, 10528), (92, 10573), (101, 10615), (153, 10732),

Gene: Brynnie_12 Start: 8457, Stop: 8900, Start Num: 27

Candidate Starts for Brynnie_12:

(Start: 27 @8457 has 75 MA's), (45, 8499), (62, 8553), (73, 8607), (74, 8610), (87, 8649), (98, 8703), (117, 8742), (127, 8769), (137, 8793), (139, 8799),

Gene: BubbaBear_11 Start: 7905, Stop: 8300, Start Num: 24

Candidate Starts for BubbaBear_11:

(Start: 24 @7905 has 35 MA's), (44, 7944), (86, 8049), (121, 8148), (133, 8181), (166, 8274),

Gene: Budski_12 Start: 7046, Stop: 7438, Start Num: 27

Candidate Starts for Budski_12:

(5, 6917), (7, 6962), (8, 6968), (10, 6974), (11, 6992), (13, 7010), (Start: 27 @7046 has 75 MA's), (39, 7073), (53, 7118), (56, 7124), (62, 7136), (70, 7160), (82, 7199), (87, 7205), (91, 7220), (93, 7226), (107, 7277), (114, 7289), (137, 7343),

Gene: Buldak_11 Start: 8189, Stop: 8584, Start Num: 20

Candidate Starts for Buldak_11:

(20, 8189), (76, 8306), (85, 8333), (86, 8336), (109, 8414), (126, 8450), (131, 8459), (150, 8516), (157, 8540),

Gene: Burritobowl_11 Start: 7938, Stop: 8333, Start Num: 24

Candidate Starts for Burritobowl_11:

(4, 7812), (Start: 24 @7938 has 35 MA's), (44, 7977), (59, 8004), (86, 8082), (121, 8181), (133, 8214), (166, 8307),

Gene: CallieOMalley_14 Start: 10411, Stop: 10824, Start Num: 19

Candidate Starts for CallieOMalley_14:

(Start: 19 @10411 has 64 MA's), (Start: 43 @10456 has 1 MA's), (78, 10558), (153, 10762),

Gene: Camara_11 Start: 7903, Stop: 8343, Start Num: 27

Candidate Starts for Camara_11:

(Start: 27 @7903 has 75 MA's), (47, 7954), (74, 8056), (75, 8059), (87, 8095), (88, 8101), (93, 8116), (117, 8188), (127, 8215), (161, 8314), (166, 8320), (169, 8332),

Gene: Canowicakte_14 Start: 10446, Stop: 10859, Start Num: 19

Candidate Starts for Canowicakte_14:

(Start: 19 @10446 has 64 MA's), (Start: 43 @10491 has 1 MA's), (78, 10593), (112, 10701), (153, 10797),

Gene: Cappuccino_12 Start: 8456, Stop: 8875, Start Num: 25

Candidate Starts for Cappuccino_12:

(Start: 25 @8456 has 1 MA's), (44, 8498), (137, 8780),

Gene: Caron_10 Start: 8244, Stop: 8660, Start Num: 27

Candidate Starts for Caron_10:

(Start: 27 @8244 has 75 MA's), (102, 8484),

Gene: Carpal_14 Start: 10378, Stop: 10791, Start Num: 19

Candidate Starts for Carpal_14:

(Start: 19 @10378 has 64 MA's), (73, 10513), (78, 10528), (92, 10573), (101, 10615), (153, 10732),

Gene: Cashington_11 Start: 7928, Stop: 8323, Start Num: 24

Candidate Starts for Cashington_11:

(4, 7802), (Start: 24 @7928 has 35 MA's), (44, 7967), (59, 7994), (86, 8072), (121, 8171), (133, 8204), (166, 8297),

Gene: Cassia_12 Start: 9139, Stop: 9552, Start Num: 26

Candidate Starts for Cassia_12:

(Start: 26 @9139 has 63 MA's), (56, 9226), (94, 9346), (96, 9358), (141, 9469), (153, 9502),

Gene: Celaena_11 Start: 7988, Stop: 8386, Start Num: 26

Candidate Starts for Celaena_11:

(3, 7850), (12, 7952), (16, 7970), (Start: 26 @7988 has 63 MA's), (36, 8009), (133, 8267), (140, 8285), (150, 8318),

Gene: Cen1621_10 Start: 7355, Stop: 7771, Start Num: 26

Candidate Starts for Cen1621_10:

(Start: 26 @7355 has 63 MA's), (153, 7724), (159, 7745),

Gene: Che9d_13 Start: 7222, Stop: 7626, Start Num: 17

Candidate Starts for Che9d_13:

(Start: 17 @7222 has 7 MA's), (Start: 34 @7255 has 4 MA's), (64, 7315), (86, 7381), (127, 7501), (132, 7513), (146, 7549), (152, 7579),

Gene: CheeseTouch_12 Start: 7046, Stop: 7438, Start Num: 27

Candidate Starts for CheeseTouch_12:

(5, 6917), (7, 6962), (8, 6968), (10, 6974), (11, 6992), (13, 7010), (Start: 27 @7046 has 75 MA's), (39, 7073), (53, 7118), (56, 7124), (62, 7136), (70, 7160), (82, 7199), (87, 7205), (91, 7220), (93, 7226), (107, 7277), (114, 7289), (137, 7343),

Gene: ChewChew_10 Start: 7513, Stop: 7923, Start Num: 19

Candidate Starts for ChewChew_10:

(Start: 19 @7513 has 64 MA's), (59, 7606), (73, 7645), (78, 7660), (92, 7705), (101, 7747), (112, 7768), (153, 7864),

Gene: Chickaboom_11 Start: 8002, Stop: 8445, Start Num: 27

Candidate Starts for Chickaboom_11:

(Start: 27 @8002 has 75 MA's), (45, 8044), (50, 8062), (62, 8098), (73, 8152), (74, 8155), (87, 8194), (98, 8248), (117, 8287), (127, 8314), (137, 8338), (139, 8344),

Gene: ChiliPepper_11 Start: 8141, Stop: 8542, Start Num: 26

Candidate Starts for ChiliPepper_11:

(Start: 26 @8141 has 63 MA's), (86, 8291), (125, 8405), (150, 8474),

Gene: Cholula_14 Start: 10423, Stop: 10836, Start Num: 19

Candidate Starts for Cholula_14:

(Start: 19 @10423 has 64 MA's), (73, 10558), (78, 10573), (92, 10618), (101, 10660), (153, 10777),

Gene: Chridison_10 Start: 7546, Stop: 7983, Start Num: 18

Candidate Starts for Chridison_10:

(Start: 18 @7546 has 9 MA's), (Start: 19 @7552 has 64 MA's), (32, 7573), (57, 7645), (81, 7714), (85, 7723), (92, 7747), (153, 7906),

Gene: Christian_10 Start: 7514, Stop: 7924, Start Num: 19

Candidate Starts for Christian_10:

(Start: 19 @7514 has 64 MA's), (59, 7607), (73, 7646), (78, 7661), (92, 7706), (101, 7748), (112, 7769), (153, 7865),

Gene: Clayda5_10 Start: 7692, Stop: 8081, Start Num: 27

Candidate Starts for Clayda5_10:

(Start: 27 @7692 has 75 MA's), (86, 7833), (91, 7851), (148, 8004), (150, 8013), (157, 8037), (169, 8067),

Gene: CliffHanger_12 Start: 7883, Stop: 8278, Start Num: 21

Candidate Starts for CliffHanger_12:

(Start: 21 @7883 has 2 MA's), (80, 8015), (107, 8105), (131, 8153), (140, 8177), (157, 8234),

Gene: CocoCinnamon_15 Start: 8936, Stop: 9316, Start Num: 41

Candidate Starts for CocoCinnamon_15:

(Start: 41 @8936 has 8 MA's), (90, 9101), (93, 9107), (126, 9203), (130, 9209), (145, 9245), (153, 9278),

Gene: Coltrane_10 Start: 7692, Stop: 8081, Start Num: 27

Candidate Starts for Coltrane_10:

(Start: 27 @7692 has 75 MA's), (86, 7833), (91, 7851), (148, 8004), (150, 8013), (157, 8037), (169, 8067),

Gene: Colusalem_12 Start: 8336, Stop: 8779, Start Num: 27

Candidate Starts for Colusalem_12:

(Start: 27 @8336 has 75 MA's), (59, 8426), (62, 8432), (73, 8486), (74, 8489), (87, 8528), (127, 8648), (137, 8672), (161, 8744), (166, 8750),

Gene: Community_13 Start: 10099, Stop: 10509, Start Num: 26

Candidate Starts for Community_13:

(Start: 26 @10099 has 63 MA's), (45, 10144), (96, 10318), (141, 10429), (153, 10462),

Gene: Coral_12 Start: 8336, Stop: 8779, Start Num: 27

Candidate Starts for Coral_12:

(Start: 27 @8336 has 75 MA's), (59, 8426), (62, 8432), (73, 8486), (74, 8489), (87, 8528), (127, 8648), (137, 8672), (161, 8744), (166, 8750),

Gene: Cote_13 Start: 8497, Stop: 8940, Start Num: 27

Candidate Starts for Cote_13:

(Start: 27 @8497 has 75 MA's), (59, 8587), (62, 8593), (73, 8647), (74, 8650), (87, 8689), (127, 8809), (137, 8833), (161, 8905), (166, 8911),

Gene: Cracklewink_18 Start: 12080, Stop: 12517, Start Num: 26

Candidate Starts for Cracklewink_18:

(Start: 26 @12080 has 63 MA's), (Start: 27 @12083 has 75 MA's), (51, 12146), (54, 12158), (59, 12167), (64, 12179), (78, 12239), (95, 12296), (100, 12323), (104, 12332), (122, 12362), (144, 12419), (154, 12449), (164, 12473),

Gene: Crewmate_13 Start: 9485, Stop: 9898, Start Num: 26

Candidate Starts for Crewmate_13:

(Start: 26 @9485 has 63 MA's), (51, 9554), (96, 9704), (141, 9815), (153, 9848),

Gene: CristinaYang_10 Start: 7514, Stop: 7924, Start Num: 19

Candidate Starts for CristinaYang_10:

(Start: 19 @7514 has 64 MA's), (59, 7607), (73, 7646), (78, 7661), (92, 7706), (101, 7748), (112, 7769), (153, 7865),

Gene: CroZenni_11 Start: 7911, Stop: 8306, Start Num: 24

Candidate Starts for CroZenni_11:

(4, 7785), (Start: 24 @7911 has 35 MA's), (59, 7977), (86, 8055), (121, 8154), (133, 8187), (166, 8280),

Gene: Cyan_12 Start: 9040, Stop: 9453, Start Num: 26

Candidate Starts for Cyan_12:

(Start: 26 @9040 has 63 MA's), (51, 9109), (96, 9259), (141, 9370), (153, 9403),

Gene: DS6A_15 Start: 10364, Stop: 10735, Start Num: 34

Candidate Starts for DS6A_15:

(Start: 34 @10364 has 4 MA's), (56, 10427), (62, 10439), (71, 10466), (86, 10511), (92, 10532), (107, 10586), (116, 10601), (130, 10628), (135, 10643), (147, 10664), (151, 10688),

Gene: Daiboju_10 Start: 7547, Stop: 7984, Start Num: 18

Candidate Starts for Daiboju_10:

(Start: 18 @7547 has 9 MA's), (Start: 19 @7553 has 64 MA's), (40, 7592), (42, 7595), (73, 7688), (78, 7703), (81, 7715), (85, 7724), (86, 7727), (92, 7748), (153, 7907),

Gene: Daob_13 Start: 8500, Stop: 8943, Start Num: 27

Candidate Starts for Daob_13:

(Start: 27 @8500 has 75 MA's), (59, 8590), (62, 8596), (73, 8650), (74, 8653), (87, 8692), (127, 8812), (137, 8836), (161, 8908), (166, 8914),

Gene: Demsculpinboyz_13 Start: 7213, Stop: 7617, Start Num: 17

Candidate Starts for Demsculpinboyz_13:

(Start: 17 @7213 has 7 MA's), (Start: 34 @7246 has 4 MA's), (64, 7306), (86, 7372), (127, 7492), (132, 7504), (146, 7540), (152, 7570),

Gene: DickRichards_11 Start: 8405, Stop: 8800, Start Num: 24

Candidate Starts for DickRichards_11:

(4, 8279), (Start: 24 @8405 has 35 MA's), (44, 8444), (59, 8471), (86, 8549), (121, 8648), (133, 8681), (166, 8774),

Gene: Didgeridoo_12 Start: 8135, Stop: 8533, Start Num: 26

Candidate Starts for Didgeridoo_12:

(Start: 26 @8135 has 63 MA's), (121, 8381), (156, 8486),

Gene: Dino_14 Start: 10377, Stop: 10790, Start Num: 19

Candidate Starts for Dino_14:

(Start: 19 @10377 has 64 MA's), (73, 10512), (78, 10527), (92, 10572), (101, 10614), (153, 10731),

Gene: DirtyBubble_11 Start: 8173, Stop: 8565, Start Num: 27

Candidate Starts for DirtyBubble_11:

(4, 8044), (Start: 24 @8170 has 35 MA's), (Start: 27 @8173 has 75 MA's), (51, 8233), (125, 8428), (140, 8464), (150, 8497), (156, 8518),

Gene: Dismas_11 Start: 8141, Stop: 8542, Start Num: 26

Candidate Starts for Dismas_11:

(Start: 26 @8141 has 63 MA's), (86, 8291), (125, 8405), (150, 8474),

Gene: Donkey_12 Start: 8456, Stop: 8875, Start Num: 25

Candidate Starts for Donkey_12:

(Start: 25 @8456 has 1 MA's), (44, 8498), (137, 8780),

Gene: Doobus_11 Start: 8142, Stop: 8537, Start Num: 24

Candidate Starts for Doobus_11:

(4, 8016), (Start: 24 @8142 has 35 MA's), (59, 8208), (86, 8286), (121, 8385), (133, 8418), (166, 8511),

Gene: Doucette_12 Start: 7747, Stop: 8115, Start Num: 58

Candidate Starts for Doucette_12:

(6, 7546), (Start: 58 @7747 has 4 MA's), (73, 7804), (90, 7855), (129, 7966), (131, 7972), (135, 7984),

Gene: DrManhattan_12 Start: 9014, Stop: 9430, Start Num: 27

Candidate Starts for DrManhattan_12:

(Start: 27 @9014 has 75 MA's), (95, 9230),

Gene: DrRobert_10 Start: 7514, Stop: 7924, Start Num: 19

Candidate Starts for DrRobert_10:

(Start: 19 @7514 has 64 MA's), (59, 7607), (73, 7646), (78, 7661), (92, 7706), (101, 7748), (112, 7769), (153, 7865),

Gene: DrSierra_12 Start: 9047, Stop: 9463, Start Num: 27

Candidate Starts for DrSierra_12:

(Start: 27 @9047 has 75 MA's), (62, 9143), (76, 9200), (95, 9263),

Gene: DreamTeam_10 Start: 7581, Stop: 7991, Start Num: 19

Candidate Starts for DreamTeam_10:

(Start: 19 @7581 has 64 MA's), (73, 7713), (78, 7728), (92, 7773), (93, 7776), (153, 7932),

Gene: E6_13 Start: 7798, Stop: 8166, Start Num: 58

Candidate Starts for E6_13:

(6, 7597), (Start: 58 @7798 has 4 MA's), (73, 7855), (90, 7906), (129, 8017), (131, 8023), (135, 8035), (145, 8056),

Gene: Eden_10 Start: 7777, Stop: 8181, Start Num: 21

Candidate Starts for Eden_10:

(Start: 21 @7777 has 2 MA's), (Start: 27 @7783 has 75 MA's), (86, 7933), (91, 7951), (109, 8011), (127, 8047), (150, 8113),

Gene: Eesa_12 Start: 8495, Stop: 8935, Start Num: 27

Candidate Starts for Eesa_12:

(Start: 19 @8483 has 64 MA's), (Start: 27 @8495 has 75 MA's), (59, 8585), (62, 8591), (68, 8627), (73, 8645), (74, 8648), (87, 8687), (117, 8780), (127, 8807), (137, 8831), (150, 8867), (161, 8903),

Gene: Elezi_12 Start: 9019, Stop: 9429, Start Num: 26

Candidate Starts for Elezi_12:

(Start: 26 @9019 has 63 MA's), (51, 9088), (94, 9226), (96, 9238), (141, 9349), (153, 9382),

Gene: Elva_12 Start: 8225, Stop: 8620, Start Num: 24

Candidate Starts for Elva_12:

(4, 8099), (Start: 24 @8225 has 35 MA's), (86, 8369), (125, 8483), (140, 8519), (150, 8552), (156, 8573),

Gene: Emotion_11 Start: 7354, Stop: 7758, Start Num: 30

Candidate Starts for Emotion_11:

(Start: 30 @7354 has 1 MA's), (94, 7555),

Gene: Eraser_12 Start: 9019, Stop: 9429, Start Num: 26

Candidate Starts for Eraser_12:

(Start: 26 @9019 has 63 MA's), (51, 9088), (94, 9226), (96, 9238), (141, 9349), (153, 9382),

Gene: EstebanJulior_10 Start: 7558, Stop: 7971, Start Num: 19

Candidate Starts for EstebanJulior_10:

(Start: 19 @7558 has 64 MA's), (48, 7621), (78, 7705), (92, 7750), (93, 7753), (101, 7792), (133, 7852), (153, 7909),

Gene: Eula_11 Start: 7912, Stop: 8307, Start Num: 24

Candidate Starts for Eula_11:

(Start: 24 @7912 has 35 MA's), (44, 7951), (59, 7978), (77, 8029), (86, 8056), (133, 8188), (166, 8281),

Gene: Eunoia_10 Start: 7551, Stop: 7982, Start Num: 19

Candidate Starts for Eunoia_10:

(Start: 18 @7545 has 9 MA's), (Start: 19 @7551 has 64 MA's), (32, 7572), (57, 7644), (78, 7701), (81, 7713), (85, 7722), (92, 7746), (153, 7905),

Gene: EvenBluerMoon_14 Start: 8744, Stop: 9133, Start Num: 41

Candidate Starts for EvenBluerMoon_14:

(Start: 41 @8744 has 8 MA's), (83, 8891), (100, 8957), (106, 8969),

Gene: Exile_11 Start: 8927, Stop: 9337, Start Num: 27

Candidate Starts for Exile_11:

(Start: 27 @8927 has 75 MA's), (153, 9290),

Gene: Finalfrontier_12 Start: 8424, Stop: 8819, Start Num: 24

Candidate Starts for Finalfrontier_12:

(Start: 24 @8424 has 35 MA's), (44, 8463), (59, 8490), (86, 8568), (133, 8700), (166, 8793),

Gene: FlameThrower_11 Start: 7876, Stop: 8274, Start Num: 26

Candidate Starts for FlameThrower_11:

(1, 7678), (Start: 26 @7876 has 63 MA's), (36, 7897), (133, 8155), (140, 8173), (150, 8206),

Gene: Floof_11 Start: 7791, Stop: 8213, Start Num: 26

Candidate Starts for Floof_11:

(Start: 26 @7791 has 63 MA's), (64, 7884), (65, 7890), (67, 7905), (94, 7995), (102, 8034), (113, 8052), (156, 8163),

Gene: Fluke_14 Start: 10419, Stop: 10832, Start Num: 19

Candidate Starts for Fluke_14:

(Start: 19 @10419 has 64 MA's), (73, 10554), (92, 10614), (101, 10656), (153, 10773),

Gene: Franklin22_10 Start: 7758, Stop: 8153, Start Num: 21

Candidate Starts for Franklin22_10:

(Start: 21 @7758 has 2 MA's), (Start: 27 @7764 has 75 MA's), (86, 7905), (91, 7923), (150, 8085),

Gene: Frickyeah_12 Start: 7041, Stop: 7451, Start Num: 27

Candidate Starts for Frickyeah_12:

(5, 6912), (7, 6957), (8, 6963), (10, 6969), (11, 6987), (Start: 27 @7041 has 75 MA's), (39, 7068), (53, 7113), (56, 7119), (70, 7173), (82, 7212), (87, 7218), (93, 7239), (107, 7290), (114, 7302),

Gene: G4_12 Start: 7735, Stop: 8103, Start Num: 58

Candidate Starts for G4_12:

(6, 7534), (Start: 58 @7735 has 4 MA's), (73, 7792), (129, 7954), (131, 7960), (135, 7972), (147, 7996),

Gene: Gack_10 Start: 7830, Stop: 8219, Start Num: 27

Candidate Starts for Gack_10:

(Start: 27 @7830 has 75 MA's), (69, 7917), (86, 7971), (90, 7986), (123, 8076), (140, 8118), (150, 8151),

Gene: Gaia_9 Start: 7642, Stop: 8013, Start Num: 34

Candidate Starts for Gaia_9:

(Start: 34 @7642 has 4 MA's), (68, 7738), (74, 7759), (84, 7786), (86, 7789), (87, 7792), (91, 7807), (107, 7864), (114, 7876), (134, 7921), (155, 7981), (157, 7987), (162, 7993),

Gene: Galaxy_12 Start: 8328, Stop: 8771, Start Num: 27

Candidate Starts for Galaxy_12:

(Start: 27 @8328 has 75 MA's), (62, 8424), (73, 8478), (74, 8481), (85, 8514), (117, 8613), (127, 8640), (137, 8664), (139, 8670), (143, 8679),

Gene: Gambol_12 Start: 8456, Stop: 8875, Start Num: 25

Candidate Starts for Gambol_12:

(Start: 25 @8456 has 1 MA's), (44, 8498), (137, 8780),

Gene: GardenState_11 Start: 8458, Stop: 8877, Start Num: 26

Candidate Starts for GardenState_11:

(Start: 26 @8458 has 63 MA's), (64, 8551), (65, 8557), (94, 8662), (102, 8701),

Gene: Getalong_12 Start: 7041, Stop: 7433, Start Num: 27

Candidate Starts for Getalong_12:

(5, 6912), (7, 6957), (8, 6963), (10, 6969), (11, 6987), (Start: 27 @7041 has 75 MA's), (39, 7068), (52, 7107), (53, 7113), (56, 7119), (62, 7131), (70, 7155), (82, 7194), (87, 7200), (90, 7212), (93, 7221), (107, 7272), (114, 7284),

Gene: Gisselle_10 Start: 7581, Stop: 7991, Start Num: 19

Candidate Starts for Gisselle_10:

(Start: 19 @7581 has 64 MA's), (73, 7713), (78, 7728), (92, 7773), (93, 7776), (153, 7932),

Gene: Glenn_14 Start: 10429, Stop: 10842, Start Num: 19

Candidate Starts for Glenn_14:

(Start: 19 @10429 has 64 MA's), (73, 10564), (78, 10579), (92, 10624), (101, 10666), (153, 10783),

Gene: GreenHearts_14 Start: 10522, Stop: 10932, Start Num: 23

Candidate Starts for GreenHearts_14:

(Start: 23 @10522 has 10 MA's), (56, 10606), (78, 10666), (80, 10675), (81, 10678), (91, 10708), (93, 10714), (99, 10747), (153, 10870), (161, 10894),

Gene: Greenhouse_14 Start: 10447, Stop: 10857, Start Num: 23

Candidate Starts for Greenhouse_14:

(Start: 23 @10447 has 10 MA's), (78, 10591), (80, 10600), (81, 10603), (91, 10633), (93, 10639), (99, 10672), (153, 10795), (161, 10819),

Gene: Gretchen_11 Start: 9337, Stop: 9759, Start Num: 26

Candidate Starts for Gretchen_11:

(Start: 26 @9337 has 63 MA's), (64, 9430), (65, 9436), (67, 9451), (94, 9541), (102, 9580), (113, 9598), (156, 9709),

Gene: Halsey_15 Start: 8547, Stop: 8966, Start Num: 25

Candidate Starts for Halsey_15:

(Start: 25 @8547 has 1 MA's), (44, 8589), (137, 8871),

Gene: HannahPhantana_13 Start: 8500, Stop: 8943, Start Num: 27

Candidate Starts for HannahPhantana_13:

(Start: 27 @8500 has 75 MA's), (59, 8590), (62, 8596), (73, 8650), (74, 8653), (87, 8692), (127, 8812), (137, 8836), (161, 8908), (166, 8914),

Gene: HeadNerd_10 Start: 7516, Stop: 7926, Start Num: 19

Candidate Starts for HeadNerd_10:

(Start: 19 @7516 has 64 MA's), (73, 7648), (78, 7663), (92, 7708), (93, 7711), (101, 7750), (153, 7867),

Gene: Herb_10 Start: 7547, Stop: 7984, Start Num: 18

Candidate Starts for Herb_10:

(Start: 18 @7547 has 9 MA's), (Start: 19 @7553 has 64 MA's), (40, 7592), (42, 7595), (73, 7688), (78, 7703), (81, 7715), (85, 7724), (86, 7727), (92, 7748), (153, 7907),

Gene: Hilltopfarm_18 Start: 12024, Stop: 12464, Start Num: 26

Candidate Starts for Hilltopfarm_18:

(Start: 26 @12024 has 63 MA's), (Start: 27 @12027 has 75 MA's), (54, 12105), (59, 12114), (62, 12120), (64, 12126), (83, 12204), (100, 12270), (120, 12306), (149, 12381), (164, 12420),

Gene: Holliday_12 Start: 7046, Stop: 7438, Start Num: 27

Candidate Starts for Holliday_12:

(5, 6917), (7, 6962), (8, 6968), (10, 6974), (11, 6992), (13, 7010), (Start: 27 @7046 has 75 MA's), (39, 7073), (53, 7118), (56, 7124), (62, 7136), (70, 7160), (82, 7199), (87, 7205), (91, 7220), (93, 7226), (107, 7277), (114, 7289), (137, 7343),

Gene: Honk_10 Start: 7323, Stop: 7739, Start Num: 26

Candidate Starts for Honk_10:

(Start: 26 @7323 has 63 MA's), (62, 7416), (76, 7473), (153, 7692),

Gene: Horus_12 Start: 7041, Stop: 7451, Start Num: 27

Candidate Starts for Horus_12:

(5, 6912), (7, 6957), (8, 6963), (10, 6969), (11, 6987), (Start: 27 @7041 has 75 MA's), (39, 7068), (53, 7113), (56, 7119), (70, 7173), (82, 7212), (87, 7218), (93, 7239), (107, 7290), (114, 7302),

Gene: Huckleberry_10 Start: 7516, Stop: 7926, Start Num: 19

Candidate Starts for Huckleberry_10:

(Start: 19 @7516 has 64 MA's), (73, 7648), (78, 7663), (92, 7708), (93, 7711), (101, 7750), (153, 7867),

Gene: HunterDalle_10 Start: 7551, Stop: 7982, Start Num: 19

Candidate Starts for HunterDalle_10:

(Start: 18 @7545 has 9 MA's), (Start: 19 @7551 has 64 MA's), (32, 7572), (57, 7644), (81, 7713), (85, 7722), (92, 7746), (153, 7905),

Gene: Huntingdon_14 Start: 10433, Stop: 10843, Start Num: 23

Candidate Starts for Huntingdon_14:

(Start: 23 @10433 has 10 MA's), (78, 10577), (80, 10586), (81, 10589), (91, 10619), (93, 10625), (99, 10658), (153, 10781), (161, 10805),

Gene: IAmGroot_11 Start: 9102, Stop: 9521, Start Num: 26

Candidate Starts for IAmGroot_11:

(Start: 26 @9102 has 63 MA's), (64, 9195), (65, 9201), (94, 9306), (102, 9345),

Gene: Icarian_12 Start: 8152, Stop: 8547, Start Num: 24

Candidate Starts for Icarian_12:

(Start: 24 @8152 has 35 MA's), (51, 8215), (78, 8272), (150, 8479), (156, 8500),

Gene: Immaculata_14 Start: 10423, Stop: 10836, Start Num: 19

Candidate Starts for Immaculata_14:

(Start: 19 @10423 has 64 MA's), (73, 10558), (78, 10573), (92, 10618), (101, 10660), (153, 10777),

Gene: IndyLu_11 Start: 7957, Stop: 8355, Start Num: 24

Candidate Starts for IndyLu_11:

(Start: 24 @7957 has 35 MA's), (121, 8203), (156, 8308),

Gene: Iter_12 Start: 9053, Stop: 9463, Start Num: 26

Candidate Starts for Iter_12:

(Start: 26 @9053 has 63 MA's), (51, 9122), (96, 9272), (141, 9383), (153, 9416),

Gene: IttyBittyPiggy_12 Start: 9041, Stop: 9454, Start Num: 26

Candidate Starts for IttyBittyPiggy_12:

(Start: 26 @9041 has 63 MA's), (51, 9110), (141, 9371), (153, 9404),

Gene: Jabbawokkie_14 Start: 7736, Stop: 8140, Start Num: 17

Candidate Starts for Jabbawokkie_14:

(Start: 17 @7736 has 7 MA's), (Start: 34 @7769 has 4 MA's), (64, 7829), (86, 7895), (127, 8015), (132, 8027), (146, 8063), (152, 8093),

Gene: Jamun_12 Start: 8669, Stop: 9112, Start Num: 27

Candidate Starts for Jamun_12:

(Start: 27 @8669 has 75 MA's), (45, 8711), (50, 8729), (62, 8765), (73, 8819), (74, 8822), (87, 8861), (98, 8915), (117, 8954), (127, 8981), (137, 9005), (139, 9011),

Gene: Janeemi_13 Start: 10130, Stop: 10543, Start Num: 26

Candidate Starts for Janeemi_13:

(Start: 26 @10130 has 63 MA's), (45, 10175), (94, 10337), (96, 10349), (141, 10460), (153, 10493),

Gene: JanetJ_12 Start: 8526, Stop: 8915, Start Num: 41

Candidate Starts for JanetJ_12:

(Start: 41 @8526 has 8 MA's), (90, 8694), (100, 8739), (106, 8751), (138, 8823), (153, 8871),

Gene: JasmineDragon_11 Start: 7286, Stop: 7681, Start Num: 28

Candidate Starts for JasmineDragon_11:

(Start: 28 @7286 has 2 MA's), (94, 7478),

Gene: Jerole_13 Start: 8497, Stop: 8940, Start Num: 27

Candidate Starts for Jerole_13:

(Start: 27 @8497 has 75 MA's), (59, 8587), (62, 8593), (73, 8647), (74, 8650), (87, 8689), (127, 8809), (137, 8833), (161, 8905), (166, 8911),

Gene: Joann_14 Start: 10425, Stop: 10835, Start Num: 23

Candidate Starts for Joann_14:

(Start: 23 @10425 has 10 MA's), (78, 10569), (80, 10578), (81, 10581), (91, 10611), (93, 10617), (99, 10650), (153, 10773), (161, 10797),

Gene: Joemato_12 Start: 9040, Stop: 9453, Start Num: 26

Candidate Starts for Joemato_12:

(Start: 26 @9040 has 63 MA's), (51, 9109), (96, 9259), (141, 9370), (153, 9403),

Gene: JohnDoe_12 Start: 9038, Stop: 9451, Start Num: 26

Candidate Starts for JohnDoe_12:

(Start: 26 @9038 has 63 MA's), (51, 9107), (96, 9257), (141, 9368), (153, 9401),

Gene: Johnathan_11 Start: 7911, Stop: 8306, Start Num: 24

Candidate Starts for Johnathan_11:

(4, 7785), (Start: 24 @7911 has 35 MA's), (44, 7950), (59, 7977), (86, 8055), (121, 8154), (133, 8187), (166, 8280),

Gene: Jovita_11 Start: 8013, Stop: 8408, Start Num: 24

Candidate Starts for Jovita_11:

(Start: 24 @8013 has 35 MA's), (44, 8052), (59, 8079), (86, 8157), (133, 8289), (166, 8382),

Gene: Jstan_12 Start: 9019, Stop: 9429, Start Num: 26

Candidate Starts for Jstan_12:

(Start: 26 @9019 has 63 MA's), (51, 9088), (94, 9226), (96, 9238), (141, 9349), (153, 9382),

Gene: Jumboset_14 Start: 10372, Stop: 10785, Start Num: 19

Candidate Starts for Jumboset_14:

(Start: 19 @10372 has 64 MA's), (73, 10507), (78, 10522), (92, 10567), (101, 10609), (153, 10726),

Gene: JuneStar_12 Start: 9135, Stop: 9548, Start Num: 26

Candidate Starts for JuneStar_12:

(Start: 26 @9135 has 63 MA's), (141, 9465), (153, 9498),

Gene: Juno112_11 Start: 7903, Stop: 8343, Start Num: 27

Candidate Starts for Juno112_11:

(Start: 27 @7903 has 75 MA's), (47, 7954), (74, 8056), (75, 8059), (87, 8095), (88, 8101), (93, 8116), (117, 8188), (127, 8215), (161, 8314), (166, 8320), (169, 8332),

Gene: KHumphrey_11 Start: 7902, Stop: 8342, Start Num: 27

Candidate Starts for KHumphrey_11:

(Start: 27 @7902 has 75 MA's), (47, 7953), (74, 8055), (75, 8058), (87, 8094), (88, 8100), (93, 8115), (117, 8187), (127, 8214), (161, 8313), (166, 8319), (169, 8331),

Gene: Kalimba_12 Start: 8456, Stop: 8875, Start Num: 25

Candidate Starts for Kalimba_12:

(Start: 25 @8456 has 1 MA's), (44, 8498), (137, 8780),

Gene: Kalizoi_14 Start: 10371, Stop: 10784, Start Num: 19

Candidate Starts for Kalizoi_14:

(Start: 19 @10371 has 64 MA's), (73, 10506), (78, 10521), (92, 10566), (101, 10608), (153, 10725),

Gene: Kamaru_12 Start: 7046, Stop: 7438, Start Num: 27

Candidate Starts for Kamaru_12:

(5, 6917), (7, 6962), (8, 6968), (10, 6974), (11, 6992), (13, 7010), (Start: 27 @7046 has 75 MA's), (39, 7073), (53, 7118), (56, 7124), (62, 7136), (70, 7160), (82, 7199), (87, 7205), (91, 7220), (93, 7226), (107, 7277), (114, 7289), (137, 7343),

Gene: Kate33_11 Start: 7956, Stop: 8354, Start Num: 24

Candidate Starts for Kate33_11:

(Start: 24 @7956 has 35 MA's), (121, 8202), (156, 8307),

Gene: Katzastrophic_11 Start: 8051, Stop: 8449, Start Num: 26

Candidate Starts for Katzastrophic_11:

(3, 7913), (Start: 26 @8051 has 63 MA's), (36, 8072), (133, 8330), (140, 8348), (150, 8381),

Gene: Kaylissa_12 Start: 9041, Stop: 9454, Start Num: 26

Candidate Starts for Kaylissa_12:

(Start: 26 @9041 has 63 MA's), (51, 9110), (96, 9260), (141, 9371), (153, 9404),

Gene: KeAlii_12 Start: 9073, Stop: 9474, Start Num: 29

Candidate Starts for KeAlii_12:

(Start: 29 @9073 has 2 MA's), (32, 9079), (96, 9280), (122, 9340), (153, 9424),

Gene: Kenna_12 Start: 7041, Stop: 7451, Start Num: 27

Candidate Starts for Kenna_12:

(5, 6912), (7, 6957), (8, 6963), (10, 6969), (11, 6987), (13, 7005), (Start: 27 @7041 has 75 MA's), (39, 7068), (53, 7113), (56, 7119), (70, 7173), (82, 7212), (87, 7218), (93, 7239), (107, 7290), (114, 7302),

Gene: Kenzers_11 Start: 7928, Stop: 8323, Start Num: 24

Candidate Starts for Kenzers_11:

(Start: 24 @7928 has 35 MA's), (44, 7967), (86, 8072), (121, 8171), (133, 8204), (166, 8297),

Gene: Kepler_12 Start: 8335, Stop: 8778, Start Num: 27

Candidate Starts for Kepler_12:

(Start: 27 @8335 has 75 MA's), (59, 8425), (62, 8431), (73, 8485), (74, 8488), (87, 8527), (127, 8647), (137, 8671), (161, 8743), (166, 8749),

Gene: Kieran_11 Start: 8144, Stop: 8545, Start Num: 26

Candidate Starts for Kieran_11:

(Start: 26 @8144 has 63 MA's), (86, 8294), (125, 8408), (150, 8477),

Gene: KingBob_10 Start: 7547, Stop: 7984, Start Num: 18

Candidate Starts for KingBob_10:

(Start: 18 @7547 has 9 MA's), (Start: 19 @7553 has 64 MA's), (40, 7592), (42, 7595), (73, 7688), (78, 7703), (81, 7715), (85, 7724), (86, 7727), (92, 7748), (153, 7907),

Gene: Kittykat_10 Start: 7557, Stop: 7967, Start Num: 19

Candidate Starts for Kittykat_10:

(Start: 19 @7557 has 64 MA's), (73, 7689), (78, 7704), (92, 7749), (93, 7752), (153, 7908),

Gene: Korra_14 Start: 10377, Stop: 10790, Start Num: 19

Candidate Starts for Korra_14:

(Start: 19 @10377 has 64 MA's), (73, 10512), (78, 10527), (92, 10572), (101, 10614), (153, 10731),

Gene: Kromp_13 Start: 9303, Stop: 9734, Start Num: 33

Candidate Starts for Kromp_13:

(Start: 33 @9303 has 1 MA's), (70, 9426), (76, 9441), (78, 9447), (86, 9471), (93, 9495), (142, 9627), (160, 9687), (164, 9693), (167, 9696), (168, 9702),

Gene: Kuleana_12 Start: 8295, Stop: 8735, Start Num: 27

Candidate Starts for Kuleana_12:

(Start: 27 @8295 has 75 MA's), (59, 8385), (62, 8391), (65, 8403), (74, 8448), (87, 8487), (93, 8508), (115, 8577), (117, 8580), (127, 8607), (131, 8616), (137, 8631), (161, 8703), (166, 8709),

Gene: Kumotta_12 Start: 8443, Stop: 8820, Start Num: 41

Candidate Starts for Kumotta_12:

(Start: 41 @8443 has 8 MA's), (83, 8584), (90, 8605), (93, 8611), (100, 8650), (126, 8707), (130, 8713), (145, 8749), (153, 8782),

Gene: Lahqtemish_11 Start: 8003, Stop: 8401, Start Num: 26

Candidate Starts for Lahqtemish_11:

(Start: 26 @8003 has 63 MA's), (44, 8042), (121, 8249), (156, 8354),

Gene: Lakshmi_14 Start: 10452, Stop: 10862, Start Num: 23

Candidate Starts for Lakshmi_14:

(Start: 23 @10452 has 10 MA's), (78, 10596), (80, 10605), (81, 10608), (91, 10638), (93, 10644), (99, 10677), (153, 10800), (161, 10824),

Gene: Lasagna_10 Start: 7514, Stop: 7924, Start Num: 19

Candidate Starts for Lasagna_10:

(Start: 19 @7514 has 64 MA's), (59, 7607), (73, 7646), (78, 7661), (92, 7706), (101, 7748), (112, 7769), (153, 7865),

Gene: Lego_12 Start: 9039, Stop: 9452, Start Num: 26

Candidate Starts for Lego_12:

(Start: 26 @9039 has 63 MA's), (51, 9108), (96, 9258), (141, 9369), (153, 9402),

Gene: Lennox_10 Start: 7514, Stop: 7924, Start Num: 19

Candidate Starts for Lennox_10:

(Start: 19 @7514 has 64 MA's), (59, 7607), (73, 7646), (78, 7661), (92, 7706), (101, 7748), (112, 7769), (153, 7865),

Gene: Leona_11 Start: 7953, Stop: 8393, Start Num: 27

Candidate Starts for Leona_11:

(Start: 27 @7953 has 75 MA's), (74, 8106), (75, 8109), (87, 8145), (88, 8151), (93, 8166), (117, 8238), (127, 8265), (161, 8364), (166, 8370), (169, 8382),

Gene: Leroy_12 Start: 7042, Stop: 7452, Start Num: 27

Candidate Starts for Leroy_12:

(5, 6913), (7, 6958), (8, 6964), (10, 6970), (11, 6988), (Start: 27 @7042 has 75 MA's), (39, 7069), (53, 7114), (56, 7120), (70, 7174), (82, 7213), (87, 7219), (93, 7240), (107, 7291), (114, 7303),

Gene: Liebe_11 Start: 7496, Stop: 7915, Start Num: 26

Candidate Starts for Liebe_11:

(Start: 26 @7496 has 63 MA's), (Start: 34 @7514 has 4 MA's), (64, 7601), (95, 7715), (153, 7865),

Gene: LilSpotty_11 Start: 7105, Stop: 7479, Start Num: 34

Candidate Starts for LilSpotty_11:

(32, 7102), (Start: 34 @7105 has 4 MA's), (74, 7219), (75, 7222), (107, 7330), (114, 7342), (116, 7345), (134, 7384), (165, 7459),

Gene: LilStuart_10 Start: 7514, Stop: 7924, Start Num: 19

Candidate Starts for LilStuart_10:

(Start: 19 @7514 has 64 MA's), (59, 7607), (73, 7646), (78, 7661), (92, 7706), (101, 7748), (112, 7769), (153, 7865),

Gene: LimaBean_11 Start: 7911, Stop: 8306, Start Num: 24

Candidate Starts for LimaBean_11:

(4, 7785), (Start: 24 @7911 has 35 MA's), (44, 7950), (59, 7977), (86, 8055), (121, 8154), (133, 8187), (166, 8280),

Gene: LitninMcQueen_12 Start: 7046, Stop: 7438, Start Num: 27

Candidate Starts for LitninMcQueen_12:

(5, 6917), (7, 6962), (8, 6968), (10, 6974), (11, 6992), (13, 7010), (Start: 27 @7046 has 75 MA's), (39, 7073), (53, 7118), (56, 7124), (62, 7136), (70, 7160), (82, 7199), (87, 7205), (91, 7220), (93, 7226), (107, 7277), (114, 7289), (137, 7343),

Gene: Litotes_14 Start: 10399, Stop: 10809, Start Num: 19

Candidate Starts for Litotes_14:

(Start: 19 @10399 has 64 MA's), (Start: 43 @10441 has 1 MA's), (78, 10543), (153, 10747),

Gene: LittleTokyo_12 Start: 8235, Stop: 8678, Start Num: 27

Candidate Starts for LittleTokyo_12:

(Start: 19 @8223 has 64 MA's), (Start: 21 @8226 has 2 MA's), (Start: 27 @8235 has 75 MA's), (93, 8448), (103, 8496), (108, 8505), (110, 8508), (117, 8520), (137, 8571), (140, 8580), (161, 8646), (169, 8664),

Gene: Lizalica_12 Start: 9025, Stop: 9438, Start Num: 26

Candidate Starts for Lizalica_12:

(Start: 26 @9025 has 63 MA's), (51, 9094), (96, 9244), (141, 9355), (153, 9388),

Gene: London_12 Start: 9019, Stop: 9429, Start Num: 26

Candidate Starts for London_12:

(Start: 26 @9019 has 63 MA's), (51, 9088), (94, 9226), (96, 9238), (141, 9349), (153, 9382),

Gene: Loviatar_19 Start: 8231, Stop: 8626, Start Num: 24

Candidate Starts for Loviatar_19:

(4, 8105), (Start: 24 @8231 has 35 MA's), (Start: 27 @8234 has 75 MA's), (51, 8294), (125, 8489), (140, 8525), (150, 8558), (156, 8579),

Gene: Lucy_10 Start: 7505, Stop: 7915, Start Num: 19

Candidate Starts for Lucy_10:

(Start: 19 @7505 has 64 MA's), (59, 7598), (73, 7637), (78, 7652), (92, 7697), (101, 7739), (112, 7760), (153, 7856),

Gene: Lunar_13 Start: 8497, Stop: 8940, Start Num: 27

Candidate Starts for Lunar_13:

(Start: 27 @8497 has 75 MA's), (59, 8587), (62, 8593), (73, 8647), (74, 8650), (87, 8689), (127, 8809), (137, 8833), (161, 8905), (166, 8911),

Gene: Lutum_12 Start: 7041, Stop: 7451, Start Num: 27

Candidate Starts for Lutum_12:

(5, 6912), (7, 6957), (8, 6963), (10, 6969), (11, 6987), (13, 7005), (Start: 27 @7041 has 75 MA's), (39, 7068), (53, 7113), (56, 7119), (70, 7173), (82, 7212), (87, 7218), (93, 7239), (107, 7290), (114, 7302),

Gene: Lynlen_11 Start: 7928, Stop: 8323, Start Num: 24

Candidate Starts for Lynlen_11:

(Start: 24 @7928 has 35 MA's), (44, 7967), (86, 8072), (121, 8171), (133, 8204), (166, 8297),

Gene: MaGuCo_11 Start: 7435, Stop: 7851, Start Num: 27

Candidate Starts for MaGuCo_11:

(Start: 27 @7435 has 75 MA's), (31, 7444), (Start: 34 @7450 has 4 MA's), (44, 7474), (64, 7537), (95, 7651), (153, 7801),

Gene: Mabodamaca_11 Start: 8555, Stop: 8968, Start Num: 27

Candidate Starts for Mabodamaca_11:

(Start: 27 @8555 has 75 MA's), (76, 8696),

Gene: Maja_11 Start: 8064, Stop: 8444, Start Num: 41

Candidate Starts for Maja_11:

(Start: 41 @8064 has 8 MA's), (55, 8112), (66, 8142), (83, 8208), (90, 8229), (93, 8235), (130, 8337), (145, 8373), (153, 8406),

Gene: Makoto_10 Start: 7514, Stop: 7924, Start Num: 19

Candidate Starts for Makoto_10:

(Start: 19 @7514 has 64 MA's), (59, 7607), (73, 7646), (78, 7661), (92, 7706), (101, 7748), (112, 7769), (153, 7865),

Gene: Malisha_12 Start: 8091, Stop: 8501, Start Num: 27

Candidate Starts for Malisha_12:

(7, 8007), (8, 8013), (Start: 27 @8091 has 75 MA's), (56, 8169), (62, 8181), (70, 8223), (82, 8262), (87, 8268), (91, 8283), (93, 8289), (101, 8328), (114, 8352), (137, 8406),

Gene: MamaPearl_10 Start: 7558, Stop: 7971, Start Num: 19

Candidate Starts for MamaPearl_10:

(Start: 19 @7558 has 64 MA's), (48, 7621), (78, 7705), (92, 7750), (93, 7753), (101, 7792), (133, 7852), (153, 7909),

Gene: MargaretKali_12 Start: 8078, Stop: 8455, Start Num: 41

Candidate Starts for MargaretKali_12:

(Start: 41 @8078 has 8 MA's), (61, 8135), (83, 8219), (90, 8240), (93, 8246), (100, 8285), (126, 8342), (130, 8348), (145, 8384), (153, 8417),

Gene: Maria1952_10 Start: 7547, Stop: 7984, Start Num: 18

Candidate Starts for Maria1952_10:

(Start: 18 @7547 has 9 MA's), (Start: 19 @7553 has 64 MA's), (40, 7592), (42, 7595), (73, 7688), (78, 7703), (81, 7715), (85, 7724), (86, 7727), (92, 7748), (153, 7907),

Gene: Maureen_11 Start: 7496, Stop: 7915, Start Num: 26

Candidate Starts for Maureen_11:

(Start: 26 @7496 has 63 MA's), (Start: 34 @7514 has 4 MA's), (64, 7601), (95, 7715), (153, 7865),

Gene: MeganNoll_14 Start: 10429, Stop: 10842, Start Num: 19

Candidate Starts for MeganNoll_14:

(Start: 19 @10429 has 64 MA's), (73, 10564), (78, 10579), (86, 10603), (92, 10624), (101, 10666), (153, 10783),

Gene: Melons_13 Start: 8497, Stop: 8940, Start Num: 27

Candidate Starts for Melons_13:

(Start: 27 @8497 has 75 MA's), (59, 8587), (62, 8593), (73, 8647), (74, 8650), (87, 8689), (127, 8809), (137, 8833), (161, 8905), (166, 8911),

Gene: MiniMommy_10 Start: 7286, Stop: 7681, Start Num: 28

Candidate Starts for MiniMommy_10:

(Start: 28 @7286 has 2 MA's), (94, 7478),

Gene: Misaeng_14 Start: 10498, Stop: 10908, Start Num: 23

Candidate Starts for Misaeng_14:

(Start: 23 @10498 has 10 MA's), (78, 10642), (80, 10651), (81, 10654), (91, 10684), (93, 10690), (99, 10723), (153, 10846), (161, 10870),

Gene: MissSwiss_12 Start: 9018, Stop: 9434, Start Num: 27

Candidate Starts for MissSwiss_12:

(Start: 27 @9018 has 75 MA's), (46, 9066), (95, 9234),

Gene: Moki_10 Start: 7516, Stop: 7926, Start Num: 19

Candidate Starts for Moki_10:

(Start: 19 @7516 has 64 MA's), (73, 7648), (78, 7663), (92, 7708), (93, 7711), (101, 7750), (153, 7867),

Gene: Moss_14 Start: 8547, Stop: 8966, Start Num: 25

Candidate Starts for Moss_14:

(Start: 25 @8547 has 1 MA's), (44, 8589), (137, 8871),

Gene: MrGloopy_14 Start: 10362, Stop: 10775, Start Num: 19

Candidate Starts for MrGloopy_14:

(Start: 19 @10362 has 64 MA's), (73, 10497), (78, 10512), (92, 10557), (101, 10599), (153, 10716),

Gene: Mudpuppy_12 Start: 9039, Stop: 9452, Start Num: 26

Candidate Starts for Mudpuppy_12:

(Start: 26 @9039 has 63 MA's), (51, 9108), (96, 9258), (141, 9369), (153, 9402),

Gene: Mysterium_12 Start: 8548, Stop: 8967, Start Num: 25

Candidate Starts for Mysterium_12:

(Start: 25 @8548 has 1 MA's), (44, 8590), (95, 8767), (137, 8872),

Gene: Nancia_10 Start: 7514, Stop: 7924, Start Num: 19

Candidate Starts for Nancia_10:

(Start: 19 @7514 has 64 MA's), (59, 7607), (73, 7646), (78, 7661), (92, 7706), (101, 7748), (112, 7769), (153, 7865),

Gene: Nebkiss_9 Start: 7643, Stop: 8014, Start Num: 34

Candidate Starts for Nebkiss_9:

(Start: 34 @7643 has 4 MA's), (68, 7739), (74, 7760), (84, 7787), (86, 7790), (87, 7793), (91, 7808), (107, 7865), (114, 7877), (134, 7922), (155, 7982), (157, 7988), (162, 7994),

Gene: Nesbitt_11 Start: 7855, Stop: 8250, Start Num: 26

Candidate Starts for Nesbitt_11:

(Start: 26 @7855 has 63 MA's), (31, 7867), (40, 7888), (44, 7897), (59, 7936), (69, 7960), (75, 7981), (93, 8035), (116, 8101), (119, 8107), (146, 8164), (158, 8212),

Gene: Nicky22_12 Start: 8359, Stop: 8754, Start Num: 24

Candidate Starts for Nicky22_12:

(Start: 24 @8359 has 35 MA's), (44, 8398), (71, 8455), (86, 8503), (133, 8635), (166, 8728),

Gene: Niobe_12 Start: 9019, Stop: 9429, Start Num: 26

Candidate Starts for Niobe_12:

(Start: 26 @9019 has 63 MA's), (51, 9088), (94, 9226), (96, 9238), (141, 9349), (153, 9382),

Gene: Nitro_12 Start: 9042, Stop: 9452, Start Num: 26

Candidate Starts for Nitro_12:

(Start: 26 @9042 has 63 MA's), (45, 9087), (51, 9111), (141, 9372), (153, 9405),

Gene: Nubia_14 Start: 10412, Stop: 10822, Start Num: 23

Candidate Starts for Nubia_14:

(Start: 23 @10412 has 10 MA's), (78, 10556), (80, 10565), (81, 10568), (91, 10598), (93, 10604), (99, 10637), (153, 10760), (161, 10784),

Gene: OMalley_10 Start: 7551, Stop: 7982, Start Num: 19

Candidate Starts for OMalley_10:

(Start: 18 @7545 has 9 MA's), (Start: 19 @7551 has 64 MA's), (32, 7572), (57, 7644), (78, 7701), (81, 7713), (85, 7722), (92, 7746), (153, 7905),

Gene: ObiToo_12 Start: 9222, Stop: 9635, Start Num: 26

Candidate Starts for ObiToo_12:

(Start: 26 @9222 has 63 MA's), (51, 9291), (94, 9429), (96, 9441), (141, 9552), (153, 9585),

Gene: Olliecat_11 Start: 8144, Stop: 8536, Start Num: 20

Candidate Starts for Olliecat_11:

(20, 8144), (Start: 34 @8159 has 4 MA's), (59, 8210), (76, 8258), (80, 8273), (97, 8339), (126, 8402), (131, 8411), (140, 8435), (157, 8492),

Gene: Orcanus_12 Start: 8285, Stop: 8725, Start Num: 27

Candidate Starts for Orcanus_12:

(Start: 19 @8273 has 64 MA's), (Start: 27 @8285 has 75 MA's), (59, 8375), (68, 8417), (73, 8435), (74, 8438), (87, 8477), (117, 8570), (127, 8597), (137, 8621), (150, 8657), (161, 8693),

Gene: OurGirlNessie_10 Start: 7505, Stop: 7915, Start Num: 19

Candidate Starts for OurGirlNessie_10:

(Start: 19 @7505 has 64 MA's), (59, 7598), (73, 7637), (78, 7652), (92, 7697), (101, 7739), (112, 7760), (153, 7856),

Gene: Oxynfrius_14 Start: 10425, Stop: 10835, Start Num: 23

Candidate Starts for Oxynfrius_14:

(Start: 23 @10425 has 10 MA's), (78, 10569), (80, 10578), (81, 10581), (91, 10611), (93, 10617), (99, 10650), (153, 10773), (161, 10797),

Gene: PFR1_09 Start: 7693, Stop: 8106, Start Num: 26

Candidate Starts for PFR1_09:

(Start: 26 @7693 has 63 MA's), (37, 7720), (Start: 43 @7732 has 1 MA's), (44, 7735), (59, 7771), (64, 7783), (72, 7810), (77, 7825), (85, 7849), (88, 7861), (94, 7882), (109, 7933), (124, 7963), (136, 7996),

Gene: PFR2_09 Start: 7693, Stop: 8106, Start Num: 26

Candidate Starts for PFR2_09:

(Start: 26 @7693 has 63 MA's), (37, 7720), (Start: 43 @7732 has 1 MA's), (44, 7735), (59, 7771), (64, 7783), (72, 7810), (77, 7825), (85, 7849), (88, 7861), (94, 7882), (109, 7933), (124, 7963), (136, 7996),

Gene: PartyCup_14 Start: 10446, Stop: 10856, Start Num: 19

Candidate Starts for PartyCup_14:

(Start: 19 @10446 has 64 MA's), (Start: 43 @10488 has 1 MA's), (78, 10590), (153, 10794),

Gene: Percival_11 Start: 9171, Stop: 9593, Start Num: 26

Candidate Starts for Percival_11:

(Start: 26 @9171 has 63 MA's), (64, 9264), (65, 9270), (67, 9285), (94, 9375), (102, 9414), (113, 9432), (156, 9543),

Gene: Periwinkle_12 Start: 7041, Stop: 7433, Start Num: 27

Candidate Starts for Periwinkle_12:

(5, 6912), (7, 6957), (8, 6963), (10, 6969), (Start: 27 @7041 has 75 MA's), (39, 7068), (52, 7107), (53, 7113), (56, 7119), (62, 7131), (70, 7155), (82, 7194), (87, 7200), (90, 7212), (93, 7221), (107, 7272), (114, 7284),

Gene: Phabuloso_12 Start: 7046, Stop: 7438, Start Num: 27

Candidate Starts for Phabuloso_12:

(5, 6917), (7, 6962), (8, 6968), (10, 6974), (11, 6992), (13, 7010), (Start: 27 @7046 has 75 MA's), (39, 7073), (53, 7118), (56, 7124), (62, 7136), (70, 7160), (82, 7199), (87, 7205), (91, 7220), (93, 7226), (107, 7277), (114, 7289), (137, 7343),

Gene: Phisb_11 Start: 7905, Stop: 8300, Start Num: 24

Candidate Starts for Phisb_11:

(Start: 24 @7905 has 35 MA's), (44, 7944), (59, 7971), (86, 8049), (121, 8148), (133, 8181), (166, 8274),

Gene: Phistory_12 Start: 7030, Stop: 7422, Start Num: 27

Candidate Starts for Phistory_12:

(5, 6901), (7, 6946), (8, 6952), (10, 6958), (11, 6976), (13, 6994), (Start: 27 @7030 has 75 MA's), (39, 7057), (53, 7102), (56, 7108), (62, 7120), (70, 7144), (87, 7189), (91, 7204), (93, 7210), (107, 7261), (114, 7273),

Gene: Phives_13 Start: 10124, Stop: 10537, Start Num: 26

Candidate Starts for Phives_13:

(Start: 26 @10124 has 63 MA's), (45, 10169), (96, 10343), (141, 10454), (153, 10487),

Gene: PhluffyCoco_11 Start: 7902, Stop: 8342, Start Num: 27

Candidate Starts for PhluffyCoco_11:

(Start: 27 @7902 has 75 MA's), (47, 7953), (74, 8055), (75, 8058), (87, 8094), (88, 8100), (93, 8115), (117, 8187), (127, 8214), (161, 8313), (166, 8319), (169, 8331),

Gene: PinkFriday_10 Start: 7548, Stop: 7982, Start Num: 18

Candidate Starts for PinkFriday_10:

(Start: 18 @7548 has 9 MA's), (Start: 19 @7554 has 64 MA's), (73, 7686), (78, 7701), (81, 7713), (85, 7722), (86, 7725), (92, 7746), (153, 7905),

Gene: PitaDog_10 Start: 7505, Stop: 7915, Start Num: 19

Candidate Starts for PitaDog_10:

(Start: 19 @7505 has 64 MA's), (59, 7598), (73, 7637), (78, 7652), (92, 7697), (101, 7739), (112, 7760), (153, 7856),

Gene: Pixelle_12 Start: 9067, Stop: 9480, Start Num: 26

Candidate Starts for Pixelle_12:

(Start: 26 @9067 has 63 MA's), (45, 9112), (141, 9397), (153, 9430),

Gene: Polka_12 Start: 8336, Stop: 8779, Start Num: 27

Candidate Starts for Polka_12:

(Start: 27 @8336 has 75 MA's), (59, 8426), (62, 8432), (73, 8486), (74, 8489), (87, 8528), (127, 8648), (137, 8672), (161, 8744), (166, 8750),

Gene: Potatoes_14 Start: 10423, Stop: 10836, Start Num: 19

Candidate Starts for Potatoes_14:

(Start: 19 @10423 has 64 MA's), (73, 10558), (78, 10573), (92, 10618), (101, 10660), (153, 10777),

Gene: Powerpuff_12 Start: 9090, Stop: 9503, Start Num: 26

Candidate Starts for Powerpuff_12:

(Start: 26 @9090 has 63 MA's), (51, 9159), (96, 9309), (141, 9420), (153, 9453),

Gene: Preamble_10 Start: 7515, Stop: 7925, Start Num: 19

Candidate Starts for Preamble_10:

(Start: 19 @7515 has 64 MA's), (73, 7647), (78, 7662), (93, 7710), (153, 7866),

Gene: Pterodactyl_10 Start: 7506, Stop: 7916, Start Num: 19

Candidate Starts for Pterodactyl_10:

(Start: 19 @7506 has 64 MA's), (59, 7599), (73, 7638), (78, 7653), (92, 7698), (101, 7740), (112, 7761), (153, 7857),

Gene: Pumancara_10 Start: 7547, Stop: 7981, Start Num: 18

Candidate Starts for Pumancara_10:

(Start: 18 @7547 has 9 MA's), (Start: 19 @7553 has 64 MA's), (73, 7685), (78, 7700), (81, 7712), (85, 7721), (86, 7724), (92, 7745), (153, 7904),

Gene: Pumpkins_12 Start: 9144, Stop: 9557, Start Num: 26

Candidate Starts for Pumpkins_12:

(Start: 26 @9144 has 63 MA's), (51, 9213), (141, 9474), (153, 9507),

Gene: QMacho_12 Start: 8395, Stop: 8790, Start Num: 24

Candidate Starts for QMacho_12:

(Start: 24 @8395 has 35 MA's), (44, 8434), (59, 8461), (77, 8512), (86, 8539), (121, 8638), (133, 8671), (166, 8764),

Gene: Quenya_12 Start: 8046, Stop: 8447, Start Num: 26

Candidate Starts for Quenya_12:

(Start: 26 @8046 has 63 MA's), (86, 8196), (132, 8325), (133, 8328), (140, 8346), (150, 8379),

Gene: RAP15_14 Start: 10429, Stop: 10842, Start Num: 19

Candidate Starts for RAP15_14:

(Start: 19 @10429 has 64 MA's), (73, 10564), (78, 10579), (92, 10624), (101, 10666), (153, 10783),

Gene: RcigaStruga_14 Start: 10433, Stop: 10843, Start Num: 23

Candidate Starts for RcigaStruga_14:

(Start: 23 @10433 has 10 MA's), (78, 10577), (80, 10586), (81, 10589), (91, 10619), (93, 10625), (99, 10658), (153, 10781), (161, 10805),

Gene: RedFox_11 Start: 7902, Stop: 8342, Start Num: 27

Candidate Starts for RedFox_11:

(Start: 27 @7902 has 75 MA's), (47, 7953), (74, 8055), (75, 8058), (87, 8094), (88, 8100), (93, 8115), (117, 8187), (127, 8214), (161, 8313), (166, 8319), (169, 8331),

Gene: Reedo_12 Start: 9091, Stop: 9489, Start Num: 29

Candidate Starts for Reedo_12:

(Start: 29 @9091 has 2 MA's), (94, 9286), (95, 9292), (118, 9352), (153, 9442),

Gene: Renna12_12 Start: 8102, Stop: 8545, Start Num: 27

Candidate Starts for Renna12_12:

(Start: 27 @8102 has 75 MA's), (74, 8255), (75, 8258), (87, 8294), (88, 8300), (117, 8387), (127, 8414), (137, 8438), (166, 8519), (169, 8531),

Gene: Riovina_10 Start: 7551, Stop: 7982, Start Num: 19

Candidate Starts for Riovina_10:

(Start: 18 @7545 has 9 MA's), (Start: 19 @7551 has 64 MA's), (32, 7572), (57, 7644), (78, 7701), (81, 7713), (85, 7722), (92, 7746), (153, 7905),

Gene: Riverdale_14 Start: 10360, Stop: 10773, Start Num: 19

Candidate Starts for Riverdale_14:

(Start: 19 @10360 has 64 MA's), (73, 10495), (78, 10510), (92, 10555), (101, 10597), (153, 10714),

Gene: Rollins_10 Start: 7752, Stop: 8141, Start Num: 27

Candidate Starts for Rollins_10:

(Start: 27 @7752 has 75 MA's), (86, 7893), (91, 7911), (148, 8064), (150, 8073), (157, 8097), (169, 8127),

Gene: Rona_11 Start: 8141, Stop: 8542, Start Num: 26
Candidate Starts for Rona_11:
(Start: 26 @8141 has 63 MA's), (86, 8291), (125, 8405), (150, 8474),

Gene: Rowa_11 Start: 7599, Stop: 8018, Start Num: 14
Candidate Starts for Rowa_11:
(Start: 14 @7599 has 1 MA's), (15, 7602), (Start: 26 @7620 has 63 MA's), (Start: 43 @7659 has 1 MA's), (64, 7710), (114, 7863), (119, 7872), (139, 7917), (146, 7929), (171, 8004),

Gene: Rozby_14 Start: 10360, Stop: 10773, Start Num: 19
Candidate Starts for Rozby_14:
(Start: 19 @10360 has 64 MA's), (73, 10495), (78, 10510), (92, 10555), (101, 10597), (153, 10714),

Gene: Ruchi_12 Start: 8591, Stop: 9034, Start Num: 27
Candidate Starts for Ruchi_12:
(Start: 27 @8591 has 75 MA's), (45, 8633), (50, 8651), (62, 8687), (73, 8741), (74, 8744), (87, 8783), (98, 8837), (117, 8876), (127, 8903), (137, 8927), (139, 8933),

Gene: SPB78_12 Start: 8026, Stop: 8427, Start Num: 27
Candidate Starts for SPB78_12:
(Start: 26 @8023 has 63 MA's), (Start: 27 @8026 has 75 MA's), (54, 8104), (56, 8110), (64, 8128), (73, 8155), (107, 8269),

Gene: SanaSana_12 Start: 8160, Stop: 8555, Start Num: 24
Candidate Starts for SanaSana_12:
(4, 8034), (Start: 24 @8160 has 35 MA's), (Start: 27 @8163 has 75 MA's), (51, 8223), (140, 8454), (150, 8487), (156, 8508),

Gene: SansAfet_11 Start: 7922, Stop: 8317, Start Num: 24
Candidate Starts for SansAfet_11:
(4, 7796), (Start: 24 @7922 has 35 MA's), (44, 7961), (59, 7988), (86, 8066), (121, 8165), (133, 8198), (166, 8291),

Gene: SarBear_11 Start: 7888, Stop: 8283, Start Num: 24
Candidate Starts for SarBear_11:
(4, 7762), (Start: 24 @7888 has 35 MA's), (44, 7927), (59, 7954), (86, 8032), (133, 8164), (166, 8257),

Gene: Sarge_11 Start: 7513, Stop: 7890, Start Num: 41
Candidate Starts for Sarge_11:
(Start: 41 @7513 has 8 MA's), (75, 7627), (83, 7654), (90, 7675), (126, 7777), (130, 7783), (145, 7819), (153, 7852),

Gene: Savage2526_14 Start: 10423, Stop: 10836, Start Num: 19
Candidate Starts for Savage2526_14:
(Start: 19 @10423 has 64 MA's), (73, 10558), (78, 10573), (92, 10618), (101, 10660), (153, 10777),

Gene: Scuttle_14 Start: 10429, Stop: 10842, Start Num: 19
Candidate Starts for Scuttle_14:
(Start: 19 @10429 has 64 MA's), (73, 10564), (78, 10579), (92, 10624), (101, 10666), (153, 10783),

Gene: Sergei_10 Start: 7547, Stop: 7984, Start Num: 18
Candidate Starts for Sergei_10:

(Start: 18 @7547 has 9 MA's), (Start: 19 @7553 has 64 MA's), (40, 7592), (42, 7595), (73, 7688), (78, 7703), (81, 7715), (85, 7724), (86, 7727), (92, 7748), (153, 7907),

Gene: ShakeltOph_11 Start: 7286, Stop: 7681, Start Num: 28

Candidate Starts for ShakeltOph_11:

(Start: 28 @7286 has 2 MA's), (94, 7478),

Gene: Shambre1_12 Start: 8782, Stop: 9204, Start Num: 43

Candidate Starts for Shambre1_12:

(Start: 43 @8782 has 1 MA's), (55, 8827), (60, 8836), (143, 9097), (163, 9163), (170, 9181),

Gene: Sharkboy_11 Start: 8140, Stop: 8541, Start Num: 26

Candidate Starts for Sharkboy_11:

(Start: 26 @8140 has 63 MA's), (86, 8290), (125, 8404), (150, 8473),

Gene: Shayna_10 Start: 7746, Stop: 8147, Start Num: 20

Candidate Starts for Shayna_10:

(20, 7746), (78, 7875), (91, 7917), (101, 7962), (137, 8037), (150, 8079), (157, 8103),

Gene: Shoya_10 Start: 7149, Stop: 7526, Start Num: 41

Candidate Starts for Shoya_10:

(Start: 41 @7149 has 8 MA's), (75, 7263), (83, 7290), (90, 7311), (130, 7419), (145, 7455), (153, 7488),

Gene: Simpson_13 Start: 9040, Stop: 9453, Start Num: 26

Candidate Starts for Simpson_13:

(Start: 26 @9040 has 63 MA's), (51, 9109), (96, 9259), (141, 9370), (153, 9403),

Gene: Skylord_10 Start: 7692, Stop: 8081, Start Num: 27

Candidate Starts for Skylord_10:

(Start: 27 @7692 has 75 MA's), (86, 7833), (91, 7851), (148, 8004), (150, 8013), (157, 8037), (169, 8067),

Gene: Slay_11 Start: 8364, Stop: 8759, Start Num: 24

Candidate Starts for Slay_11:

(4, 8238), (Start: 24 @8364 has 35 MA's), (44, 8403), (59, 8430), (86, 8508), (133, 8640), (166, 8733),

Gene: Snek_12 Start: 8127, Stop: 8540, Start Num: 27

Candidate Starts for Snek_12:

(Start: 27 @8127 has 75 MA's), (76, 8280), (165, 8523),

Gene: Soondubu_11 Start: 8928, Stop: 9338, Start Num: 27

Candidate Starts for Soondubu_11:

(Start: 27 @8928 has 75 MA's), (65, 9030), (153, 9291),

Gene: Sooty_12 Start: 8457, Stop: 8876, Start Num: 25

Candidate Starts for Sooty_12:

(Start: 25 @8457 has 1 MA's), (44, 8499), (137, 8781),

Gene: Soul22_13 Start: 7212, Stop: 7616, Start Num: 17

Candidate Starts for Soul22_13:

(Start: 17 @7212 has 7 MA's), (Start: 34 @7245 has 4 MA's), (64, 7305), (86, 7371), (127, 7491), (132, 7503), (146, 7539), (152, 7569),

Gene: Spartoi_10 Start: 6599, Stop: 7030, Start Num: 27

Candidate Starts for Spartoi_10:

(Start: 27 @6599 has 75 MA's), (Start: 43 @6635 has 1 MA's), (52, 6668), (57, 6674), (64, 6689), (94, 6785),

Gene: SpecialK_14 Start: 8454, Stop: 8873, Start Num: 25

Candidate Starts for SpecialK_14:

(Start: 25 @8454 has 1 MA's), (44, 8496), (137, 8778),

Gene: Spooky_12 Start: 7039, Stop: 7449, Start Num: 27

Candidate Starts for Spooky_12:

(7, 6955), (8, 6961), (10, 6967), (Start: 27 @7039 has 75 MA's), (53, 7111), (56, 7117), (62, 7129), (70, 7171), (82, 7210), (87, 7216), (93, 7237), (101, 7276), (114, 7300), (137, 7354),

Gene: Squiddly_13 Start: 7726, Stop: 8118, Start Num: 27

Candidate Starts for Squiddly_13:

(5, 7597), (7, 7642), (8, 7648), (10, 7654), (11, 7672), (13, 7690), (Start: 27 @7726 has 75 MA's), (39, 7753), (53, 7798), (56, 7804), (62, 7816), (70, 7840), (87, 7885), (91, 7900), (93, 7906), (107, 7957), (114, 7969),

Gene: Squircle_11 Start: 8143, Stop: 8535, Start Num: 20

Candidate Starts for Squircle_11:

(20, 8143), (Start: 34 @8158 has 4 MA's), (59, 8209), (76, 8257), (80, 8272), (97, 8338), (126, 8401), (131, 8410), (140, 8434), (157, 8491),

Gene: Stoor_11 Start: 8157, Stop: 8552, Start Num: 24

Candidate Starts for Stoor_11:

(4, 8031), (Start: 24 @8157 has 35 MA's), (Start: 27 @8160 has 75 MA's), (51, 8220), (140, 8451), (150, 8484), (156, 8505),

Gene: Stromboli_11 Start: 8161, Stop: 8556, Start Num: 24

Candidate Starts for Stromboli_11:

(Start: 24 @8161 has 35 MA's), (Start: 27 @8164 has 75 MA's), (51, 8224), (125, 8419), (140, 8455), (150, 8488), (156, 8509),

Gene: SuMoo_10 Start: 7515, Stop: 7928, Start Num: 27

Candidate Starts for SuMoo_10:

(Start: 27 @7515 has 75 MA's),

Gene: Sue2_12 Start: 9043, Stop: 9456, Start Num: 27

Candidate Starts for Sue2_12:

(13, 9007), (Start: 27 @9043 has 75 MA's),

Gene: SunnyD_10 Start: 7746, Stop: 8147, Start Num: 20

Candidate Starts for SunnyD_10:

(20, 7746), (78, 7875), (91, 7917), (137, 8037), (150, 8079), (157, 8103),

Gene: Supakev_10 Start: 7553, Stop: 7984, Start Num: 19

Candidate Starts for Supakev_10:

(Start: 18 @7547 has 9 MA's), (Start: 19 @7553 has 64 MA's), (32, 7574), (57, 7646), (81, 7715), (85, 7724), (92, 7748), (153, 7907),

Gene: Suppi_14 Start: 10446, Stop: 10859, Start Num: 19
Candidate Starts for Suppi_14:
(Start: 19 @10446 has 64 MA's), (Start: 43 @10491 has 1 MA's), (78, 10593), (112, 10701), (153, 10797),

Gene: Swervy_11 Start: 7888, Stop: 8283, Start Num: 24
Candidate Starts for Swervy_11:
(4, 7762), (Start: 24 @7888 has 35 MA's), (44, 7927), (59, 7954), (86, 8032), (133, 8164), (166, 8257),

Gene: TMaxx_13 Start: 7597, Stop: 7989, Start Num: 38
Candidate Starts for TMaxx_13:
(38, 7597), (70, 7699), (75, 7711), (122, 7843), (172, 7981),

Gene: Tallboi_12 Start: 9050, Stop: 9463, Start Num: 26
Candidate Starts for Tallboi_12:
(Start: 26 @9050 has 63 MA's), (45, 9095), (51, 9119), (141, 9380), (153, 9413),

Gene: TattModd_14 Start: 10423, Stop: 10836, Start Num: 19
Candidate Starts for TattModd_14:
(Start: 19 @10423 has 64 MA's), (73, 10558), (78, 10573), (92, 10618), (101, 10660), (153, 10777),

Gene: TaylorSipht_12 Start: 8370, Stop: 8810, Start Num: 27
Candidate Starts for TaylorSipht_12:
(Start: 27 @8370 has 75 MA's), (Start: 43 @8406 has 1 MA's), (63, 8469), (74, 8523), (75, 8526), (87, 8562), (105, 8634), (111, 8646), (127, 8682), (137, 8706), (150, 8742), (161, 8778),

Gene: Tbone_12 Start: 9033, Stop: 9446, Start Num: 26
Candidate Starts for Tbone_12:
(Start: 26 @9033 has 63 MA's), (51, 9102), (96, 9252), (141, 9363), (153, 9396),

Gene: Teagster_10 Start: 7746, Stop: 8147, Start Num: 20
Candidate Starts for Teagster_10:
(20, 7746), (78, 7875), (91, 7917), (137, 8037), (150, 8079), (157, 8103),

Gene: Temper16_10 Start: 7547, Stop: 7984, Start Num: 18
Candidate Starts for Temper16_10:
(Start: 18 @7547 has 9 MA's), (Start: 19 @7553 has 64 MA's), (40, 7592), (42, 7595), (73, 7688), (78, 7703), (81, 7715), (85, 7724), (86, 7727), (92, 7748), (153, 7907),

Gene: TforTroy_12 Start: 9164, Stop: 9577, Start Num: 26
Candidate Starts for TforTroy_12:
(Start: 26 @9164 has 63 MA's), (141, 9494), (153, 9527),

Gene: Tian_12 Start: 9064, Stop: 9477, Start Num: 26
Candidate Starts for Tian_12:
(Start: 26 @9064 has 63 MA's), (45, 9109), (96, 9283), (141, 9394), (153, 9427),

Gene: Tuck_13 Start: 10079, Stop: 10489, Start Num: 26
Candidate Starts for Tuck_13:
(Start: 26 @10079 has 63 MA's), (45, 10124), (96, 10298), (141, 10409), (153, 10442),

Gene: TukTuk_11 Start: 7948, Stop: 8343, Start Num: 24
Candidate Starts for TukTuk_11:

(4, 7822), (Start: 24 @7948 has 35 MA's), (44, 7987), (59, 8014), (86, 8092), (133, 8224), (166, 8317),

Gene: Turab_12 Start: 9048, Stop: 9458, Start Num: 26

Candidate Starts for Turab_12:

(Start: 26 @9048 has 63 MA's), (45, 9093), (51, 9117), (141, 9378), (153, 9411),

Gene: Tutumahutu_12 Start: 9090, Stop: 9503, Start Num: 26

Candidate Starts for Tutumahutu_12:

(Start: 26 @9090 has 63 MA's), (51, 9159), (96, 9309), (141, 9420), (153, 9453),

Gene: Tweety19_12 Start: 8126, Stop: 8539, Start Num: 27

Candidate Starts for Tweety19_12:

(Start: 27 @8126 has 75 MA's), (76, 8279), (165, 8522),

Gene: Typha_18 Start: 11994, Stop: 12434, Start Num: 26

Candidate Starts for Typha_18:

(Start: 26 @11994 has 63 MA's), (Start: 27 @11997 has 75 MA's), (54, 12075), (59, 12084), (62, 12090), (64, 12096), (83, 12174), (100, 12240), (120, 12276), (149, 12351), (164, 12390),

Gene: Urla_10 Start: 7561, Stop: 7974, Start Num: 19

Candidate Starts for Urla_10:

(Start: 19 @7561 has 64 MA's), (73, 7693), (78, 7708), (92, 7753), (93, 7756), (101, 7795), (133, 7855), (153, 7912),

Gene: UtzChips_10 Start: 8204, Stop: 8620, Start Num: 27

Candidate Starts for UtzChips_10:

(Start: 27 @8204 has 75 MA's), (102, 8444), (130, 8501),

Gene: VResidence_12 Start: 9113, Stop: 9535, Start Num: 27

Candidate Starts for VResidence_12:

(Start: 27 @9113 has 75 MA's), (95, 9335), (128, 9422), (138, 9443), (141, 9452),

Gene: VWB_11 Start: 8079, Stop: 8474, Start Num: 28

Candidate Starts for VWB_11:

(22, 8073), (Start: 28 @8079 has 2 MA's), (35, 8094), (56, 8160), (86, 8244), (102, 8310), (166, 8454),

Gene: Vallejo_14 Start: 10361, Stop: 10774, Start Num: 19

Candidate Starts for Vallejo_14:

(Start: 19 @10361 has 64 MA's), (73, 10496), (78, 10511), (92, 10556), (101, 10598), (153, 10715),

Gene: Vitas_10 Start: 7692, Stop: 8081, Start Num: 27

Candidate Starts for Vitas_10:

(Start: 27 @7692 has 75 MA's), (86, 7833), (91, 7851), (148, 8004), (150, 8013), (157, 8037), (169, 8067),

Gene: VroomVroom_11 Start: 7298, Stop: 7693, Start Num: 28

Candidate Starts for VroomVroom_11:

(Start: 28 @7298 has 2 MA's), (94, 7490),

Gene: Vulpecula_12 Start: 8667, Stop: 9110, Start Num: 27

Candidate Starts for Vulpecula_12:

(Start: 27 @8667 has 75 MA's), (45, 8709), (50, 8727), (62, 8763), (73, 8817), (74, 8820), (87, 8859), (98, 8913), (117, 8952), (127, 8979), (137, 9003), (139, 9009),

Gene: Vulture_10 Start: 7551, Stop: 7982, Start Num: 19

Candidate Starts for Vulture_10:

(Start: 18 @7545 has 9 MA's), (Start: 19 @7551 has 64 MA's), (32, 7572), (57, 7644), (81, 7713), (85, 7722), (92, 7746), (153, 7905),

Gene: WalkingDead_11 Start: 8148, Stop: 8543, Start Num: 24

Candidate Starts for WalkingDead_11:

(Start: 24 @8148 has 35 MA's), (Start: 27 @8151 has 75 MA's), (51, 8211), (59, 8214), (140, 8442), (150, 8475), (156, 8496),

Gene: Warda_12 Start: 9036, Stop: 9449, Start Num: 26

Candidate Starts for Warda_12:

(Start: 26 @9036 has 63 MA's), (51, 9105), (96, 9255), (141, 9366), (153, 9399),

Gene: Wawa_14 Start: 10398, Stop: 10811, Start Num: 19

Candidate Starts for Wawa_14:

(Start: 19 @10398 has 64 MA's), (73, 10533), (78, 10548), (92, 10593), (101, 10635), (153, 10752),

Gene: Wayne_14 Start: 10492, Stop: 10905, Start Num: 19

Candidate Starts for Wayne_14:

(Start: 19 @10492 has 64 MA's), (Start: 43 @10537 has 1 MA's), (78, 10639), (112, 10747), (153, 10843),

Gene: Whitney_12 Start: 7041, Stop: 7433, Start Num: 27

Candidate Starts for Whitney_12:

(5, 6912), (7, 6957), (8, 6963), (10, 6969), (11, 6987), (Start: 27 @7041 has 75 MA's), (39, 7068), (52, 7107), (53, 7113), (56, 7119), (62, 7131), (70, 7155), (82, 7194), (87, 7200), (90, 7212), (93, 7221), (107, 7272), (114, 7284),

Gene: Wildwest_13 Start: 9954, Stop: 10370, Start Num: 27

Candidate Starts for Wildwest_13:

(Start: 27 @9954 has 75 MA's), (76, 10107), (95, 10170), (138, 10278),

Gene: WonderBoy_10 Start: 7514, Stop: 7924, Start Num: 19

Candidate Starts for WonderBoy_10:

(Start: 19 @7514 has 64 MA's), (48, 7577), (73, 7646), (78, 7661), (92, 7706), (101, 7748), (153, 7865),

Gene: Yang_12 Start: 9134, Stop: 9547, Start Num: 26

Candidate Starts for Yang_12:

(Start: 26 @9134 has 63 MA's), (141, 9464), (153, 9497),

Gene: YesChef_12 Start: 9090, Stop: 9503, Start Num: 26

Candidate Starts for YesChef_12:

(Start: 26 @9090 has 63 MA's), (51, 9159), (96, 9309), (141, 9420), (153, 9453),

Gene: Yoshi_13 Start: 7212, Stop: 7616, Start Num: 17

Candidate Starts for Yoshi_13:

(Start: 17 @7212 has 7 MA's), (Start: 34 @7245 has 4 MA's), (64, 7305), (86, 7371), (127, 7491), (132, 7503), (146, 7539), (152, 7569),

Gene: Zapner_14 Start: 7737, Stop: 8141, Start Num: 17

Candidate Starts for Zapner_14:

(Start: 17 @7737 has 7 MA's), (Start: 34 @7770 has 4 MA's), (64, 7830), (86, 7896), (127, 8016),
(132, 8028), (146, 8064), (152, 8094),

Gene: Zeta1847_10 Start: 7300, Stop: 7692, Start Num: 25

Candidate Starts for Zeta1847_10:

(Start: 25 @7300 has 1 MA's), (76, 7444), (79, 7453),

Gene: Zorro_14 Start: 10377, Stop: 10790, Start Num: 19

Candidate Starts for Zorro_14:

(Start: 19 @10377 has 64 MA's), (73, 10512), (78, 10527), (92, 10572), (101, 10614), (153, 10731),