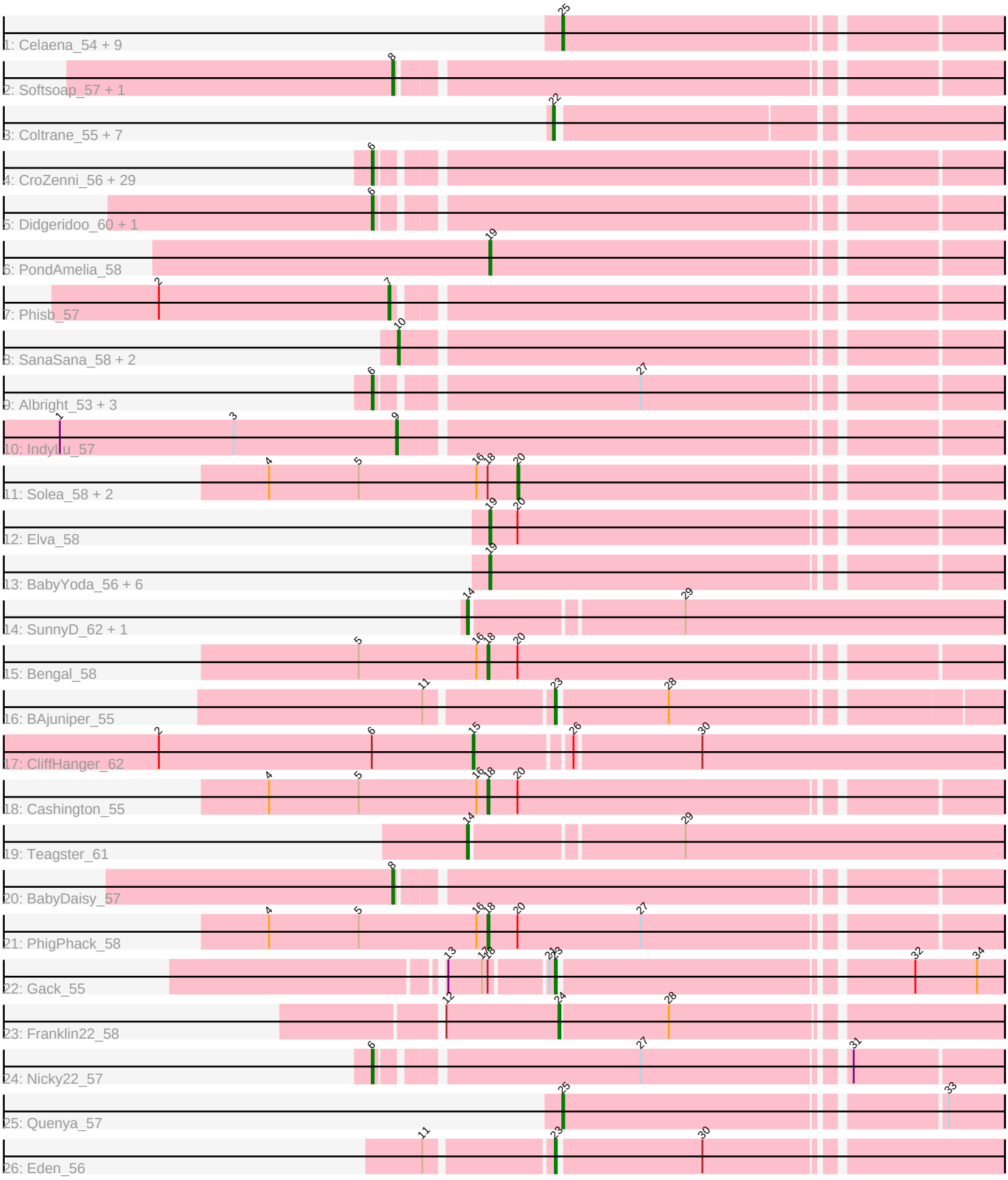
Pham 347501


1: Celaena_54 + 9
2: Softsoap_57 + 1
3: Coltrane_55 + 7
4: CroZenni_56 + 29
5: Didgeridoo_60 + 1
6: PondAmelia_58
7: Phisb_57
8: SanaSana_58 + 2
9: Albright_53 + 3
10: Indylu_57
11: Solea_58 + 2
12: Elva_58
13: BabyYoda_56 + 6
14: SunnyD_62 + 1
15: Bengal_58
16: BAjuniper_55
17: CliffHanger_62
18: Cashington_55
19: Teagster_61
20: BabyDaisy_57
21: PhigPhack_58
22: Gack_55
23: Franklin22_58
24: Nicky22_57
25: Quenya_57
26: Eden_56

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 347501 Report

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

Pham number 347501 has 87 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Celaena_54, Bachaco_54, ChiliPepper_53, Dismas_54, Rona_53, Kamdara_53, Sharkboy_54, Katzastrophic_55, FlameThrower_53, Kieran_53
• Track 2 : Softsoap_57, Burritobowl_57
• Track 3 : Coltrane_55, Vitas_55, Brahms_55, Bernstein_55, Skylord_55, Armstrong_55, Clayda5_57, Rollins_55
• Track 4 : CroZenni_56, QMacho_58, Slay_56, BelmontSKP_56, TukTuk_57, Jabb_56, Johnathan_55, Avocadoman_54, Finalfrontier_57, Pecas_57, LimaBean_56, Eula_56, Kenzers_56, Lynlen_57, Lilo27_57, PastaFagioli_56, AnnaLie_56, SarBear_56, Albedo_57, Swervy_57, Jovita_55, MsUbiquitous_56, Abigail_55, Lahqtemish_55, BubbaBear_55, DickRichards_54, SirBeanington_56, AylexOG_57, Doobus_54, CupcakePrincess_56
• Track 5 : Didgeridoo_60, Kate33_59
• Track 6 : PondAmelia_58
• Track 7 : Phisb_57
• Track 8 : SanaSana_58, AvGardian_57, Stoor_56
• Track 9 : Albright_53, CanFranMach_56, Arroyo_56, SansAfet_57
• Track 10 : IndyLu_57
• Track 11 : Solea_58, Milomuff_57, Grist_57
• Track 12 : Elva_58
• Track 13 : BabyYoda_56, WalkingDead_58, Loviatar_57, Akino08_57, DirtyBubble_55, Stromboli_56, Icarian_59
• Track 14 : SunnyD_62, Shayna_62
• Track 15 : Bengal_58
• Track 16 : BAjuniper_55
• Track 17 : CliffHanger_62
• Track 18 : Cashington_55
• Track 19 : Teagster_61
• Track 20 : BabyDaisy_57
• Track 21 : PhigPhack_58
• Track 22 : Gack_55
• Track 23 : Franklin22_58
• Track 24 : Nicky22_57
• Track 25 : Quenya_57
• Track 26 : Eden_56

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

The start number called the most often in the published annotations is 6, it was called in 36 of the 83 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_55, Albedo_57, Albright_53, AnnaLie_56, Arroyo_56, Avocadoman_54, AylexOG_57, BelmontSKP_56, BubbaBear_55, CanFranMach_56, CroZenni_56, CupcakePrincess_56, DickRichards_54, Didgeridoo_60, Doobus_54, Eula_56, Finalfrontier_57, Jabb_56, Johnathan_55, Jovita_55, Kate33_59, Kenzers_56, Lahqtemish_55, Lilo27_57, LimaBean_56, Lynlen_57, MsUbiquitous_56, Nicky22_57, PastaFagioli_56, Pecas_57, QMacho_58, SansAfet_57, SarBear_56, SirBeanington_56, Slay_56, Swervy_57, TukTuk_57,

Genes that have the "Most Annotated" start but do not call it:
• CliffHanger_62,

Genes that do not have the "Most Annotated" start:
• Akino08_57, Armstrong_55, AvGardian_57, BAjuniper_55, BabyDaisy_57, BabyYoda_56, Bachaco_54, Bengal_58, Bernstein_55, Brahms_55, Burritobowl_57, Cashington_55, Celaena_54, ChiliPepper_53, Clayda5_57, Coltrane_55, DirtyBubble_55, Dismas_54, Eden_56, Elva_58, FlameThrower_53, Franklin22_58, Gack_55, Grist_57, Icarian_59, IndyLu_57, Kamdara_53, Katzastrophic_55, Kieran_53, Loviatar_57, Milomuff_57, PhigPhack_58, Phisb_57, PondAmelia_58, Quenya_57, Rollins_55, Rona_53, SanaSana_58, Sharkboy_54, Shayna_62, Skylord_55, Softsoap_57, Solea_58, Stoor_56, Stromboli_56, SunnyD_62, Teagster_61, Vitas_55, WalkingDead_58,

Summary by start number:

Start 6:
• Found in 38 of 87 (43.7%) of genes in pham
• Manual Annotations of this start: 36 of 83
• Called 97.4% of time when present
• Phage (with cluster) where this start called: Abigail_55 (EB), Albedo_57 (EB), Albright_53 (EB), AnnaLie_56 (EB), Arroyo_56 (EB), Avocadoman_54 (EB), AylexOG_57 (EB), BelmontSKP_56 (EB), BubbaBear_55 (EB), CanFranMach_56 (EB), CroZenni_56 (EB), CupcakePrincess_56 (EB), DickRichards_54 (EB), Didgeridoo_60 (EB), Doobus_54 (EB), Eula_56 (EB), Finalfrontier_57 (EB), Jabb_56 (EB), Johnathan_55 (EB), Jovita_55 (EB), Kate33_59 (EB), Kenzers_56 (EB), Lahqtemish_55 (EB), Lilo27_57 (EB), LimaBean_56 (EB), Lynlen_57 (EB), MsUbiquitous_56 (EB), Nicky22_57 (EB), PastaFagioli_56 (EB), Pecas_57 (EB), QMacho_58 (EB), SansAfet_57 (EB), SarBear_56 (EB), SirBeanington_56 (EB), Slay_56 (EB), Swervy_57 (EB), TukTuk_57 (EB),

Start 7:
• Found in 1 of 87 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phisb_57 (EB),

Start 8:

• Found in 3 of 87 (3.4%) of genes in pham
• Manual Annotations of this start: 3 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BabyDaisy_57 (EB), Burritobowl_57 (EB), Softsoap_57 (EB),

Start 9:
• Found in 1 of 87 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IndyLu_57 (EB),

Start 10:
• Found in 3 of 87 (3.4%) of genes in pham
• Manual Annotations of this start: 3 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AvGardian_57 (EB), SanaSana_58 (EB), Stoor_56 (EB),

Start 14:
• Found in 3 of 87 (3.4%) of genes in pham
• Manual Annotations of this start: 3 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shayna_62 (EB), SunnyD_62 (EB), Teagster_61 (EB),

Start 15:
• Found in 1 of 87 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CliffHanger_62 (EB),

Start 18:
• Found in 7 of 87 (8.0%) of genes in pham
• Manual Annotations of this start: 3 of 83
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Bengal_58 (EB), Cashington_55 (EB), PhigPhack_58 (EB),

Start 19:
• Found in 9 of 87 (10.3%) of genes in pham
• Manual Annotations of this start: 8 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Akino08_57 (EB), BabyYoda_56 (EB), DirtyBubble_55 (EB), Elva_58 (EB), Icarian_59 (EB), Loviatar_57 (EB), PondAmelia_58 (EB), Stromboli_56 (EB), WalkingDead_58 (EB),

Start 20:
• Found in 7 of 87 (8.0%) of genes in pham
• Manual Annotations of this start: 1 of 83
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Grist_57 (EB), Milomuff_57 (EB), Solea_58 (EB),

Start 22:
• Found in 8 of 87 (9.2%) of genes in pham
• Manual Annotations of this start: 8 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Armstrong_55 (EB), Bernstein_55 (EB), Brahms_55 (EB), Clayda5_57 (EB), Coltrane_55 (EB), Rollins_55 (EB), Skylord_55 (EB), Vitas_55 (EB),

Start 23:
• Found in 3 of 87 (3.4%) of genes in pham
• Manual Annotations of this start: 3 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAjuniper_55 (EB), Eden_56 (EB), Gack_55 (EB),

Start 24:
• Found in 1 of 87 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Franklin22_58 (EB),

Start 25:
• Found in 11 of 87 (12.6%) of genes in pham
• Manual Annotations of this start: 11 of 83
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bachaco_54 (EB), Celaena_54 (EB), ChiliPepper_53 (EB), Dismas_54 (EB), FlameThrower_53 (EB), Kamdara_53 (EB), Katzastrophic_55 (EB), Kieran_53 (EB), Quenya_57 (EB), Rona_53 (EB), Sharkboy_54 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 6 was manually annotated 36 times for cluster EB.
•Start number 7 was manually annotated 1 time for cluster EB.
•Start number 8 was manually annotated 3 times for cluster EB.
•Start number 9 was manually annotated 1 time for cluster EB.
•Start number 10 was manually annotated 3 times for cluster EB.
•Start number 14 was manually annotated 3 times for cluster EB.
•Start number 15 was manually annotated 1 time for cluster EB.
•Start number 18 was manually annotated 3 times for cluster EB.
•Start number 19 was manually annotated 8 times for cluster EB.
•Start number 20 was manually annotated 1 time for cluster EB.
•Start number 22 was manually annotated 8 times for cluster EB.
•Start number 23 was manually annotated 3 times for cluster EB.
•Start number 24 was manually annotated 1 time for cluster EB.
•Start number 25 was manually annotated 11 times for cluster EB.

Gene Information:

Gene: Abigail_55 Start: 35903, Stop: 36211, Start Num: 6
Candidate Starts for Abigail_55:
(Start: 6 @35903 has 36 MA's),

Gene: Akino08_57 Start: 38324, Stop: 38584, Start Num: 19
Candidate Starts for Akino08_57:
(Start: 19 @38324 has 8 MA's),

Gene: Albedo_57 Start: 36631, Stop: 36939, Start Num: 6
Candidate Starts for Albedo_57:
(Start: 6 @36631 has 36 MA's),

Gene: Albright_53 Start: 35334, Stop: 35642, Start Num: 6
Candidate Starts for Albright_53:
(Start: 6 @35334 has 36 MA's), (27, 35463),

Gene: AnnaLie_56 Start: 36560, Stop: 36868, Start Num: 6
Candidate Starts for AnnaLie_56:
(Start: 6 @36560 has 36 MA's),

Gene: Armstrong_55 Start: 34759, Stop: 34983, Start Num: 22
Candidate Starts for Armstrong_55:
(Start: 22 @34759 has 8 MA's),

Gene: Arroyo_56 Start: 36671, Stop: 36979, Start Num: 6
Candidate Starts for Arroyo_56:
(Start: 6 @36671 has 36 MA's), (27, 36800),

Gene: AvGardian_57 Start: 36837, Stop: 37139, Start Num: 10
Candidate Starts for AvGardian_57:
(Start: 10 @36837 has 3 MA's),

Gene: Avocadoman_54 Start: 35535, Stop: 35843, Start Num: 6
Candidate Starts for Avocadoman_54:
(Start: 6 @35535 has 36 MA's),

Gene: AylexOG_57 Start: 36566, Stop: 36874, Start Num: 6
Candidate Starts for AylexOG_57:
(Start: 6 @36566 has 36 MA's),

Gene: BAjuniper_55 Start: 37299, Stop: 37520, Start Num: 23
Candidate Starts for BAjuniper_55:
(11, 37236), (Start: 23 @37299 has 3 MA's), (28, 37356),

Gene: BabyDaisy_57 Start: 36841, Stop: 37143, Start Num: 8
Candidate Starts for BabyDaisy_57:
(Start: 8 @36841 has 3 MA's),

Gene: BabyYoda_56 Start: 37257, Stop: 37517, Start Num: 19
Candidate Starts for BabyYoda_56:
(Start: 19 @37257 has 8 MA's),

Gene: Bachaco_54 Start: 37983, Stop: 38204, Start Num: 25
Candidate Starts for Bachaco_54:
(Start: 25 @37983 has 11 MA's),

Gene: BelmontSKP_56 Start: 36560, Stop: 36868, Start Num: 6
Candidate Starts for BelmontSKP_56:
(Start: 6 @36560 has 36 MA's),

Gene: Bengal_58 Start: 36486, Stop: 36746, Start Num: 18
Candidate Starts for Bengal_58:
(5, 36417), (16, 36480), (Start: 18 @36486 has 3 MA's), (Start: 20 @36501 has 1 MA's),

Gene: Bernstein_55 Start: 34757, Stop: 34981, Start Num: 22
Candidate Starts for Bernstein_55:
(Start: 22 @34757 has 8 MA's),

Gene: Brahms_55 Start: 34659, Stop: 34883, Start Num: 22
Candidate Starts for Brahms_55:
(Start: 22 @34659 has 8 MA's),

Gene: BubbaBear_55 Start: 36312, Stop: 36620, Start Num: 6
Candidate Starts for BubbaBear_55:
(Start: 6 @36312 has 36 MA's),

Gene: Burritobowl_57 Start: 36413, Stop: 36715, Start Num: 8
Candidate Starts for Burritobowl_57:
(Start: 8 @36413 has 3 MA's),

Gene: CanFranMach_56 Start: 36483, Stop: 36791, Start Num: 6
Candidate Starts for CanFranMach_56:
(Start: 6 @36483 has 36 MA's), (27, 36612),

Gene: Cashington_55 Start: 35812, Stop: 36072, Start Num: 18
Candidate Starts for Cashington_55:
(4, 35695), (5, 35743), (16, 35806), (Start: 18 @35812 has 3 MA's), (Start: 20 @35827 has 1 MA's),

Gene: Celaena_54 Start: 37745, Stop: 37966, Start Num: 25
Candidate Starts for Celaena_54:
(Start: 25 @37745 has 11 MA's),

Gene: ChiliPepper_53 Start: 37055, Stop: 37276, Start Num: 25
Candidate Starts for ChiliPepper_53:
(Start: 25 @37055 has 11 MA's),

Gene: Clayda5_57 Start: 34724, Stop: 34948, Start Num: 22
Candidate Starts for Clayda5_57:
(Start: 22 @34724 has 8 MA's),

Gene: CliffHanger_62 Start: 35855, Stop: 36130, Start Num: 15
Candidate Starts for CliffHanger_62:
(2, 35687), (Start: 6 @35801 has 36 MA's), (Start: 15 @35855 has 1 MA's), (26, 35903), (30, 35969),

Gene: Coltrane_55 Start: 34659, Stop: 34883, Start Num: 22
Candidate Starts for Coltrane_55:
(Start: 22 @34659 has 8 MA's),

Gene: CroZenni_56 Start: 36179, Stop: 36487, Start Num: 6
Candidate Starts for CroZenni_56:
(Start: 6 @36179 has 36 MA's),

Gene: CupcakePrincess_56 Start: 36037, Stop: 36345, Start Num: 6
Candidate Starts for CupcakePrincess_56:
(Start: 6 @36037 has 36 MA's),

Gene: DickRichards_54 Start: 36354, Stop: 36662, Start Num: 6
Candidate Starts for DickRichards_54:
(Start: 6 @36354 has 36 MA's),

Gene: Didgeridoo_60 Start: 37219, Stop: 37527, Start Num: 6
Candidate Starts for Didgeridoo_60:
(Start: 6 @37219 has 36 MA's),

Gene: DirtyBubble_55 Start: 36927, Stop: 37187, Start Num: 19
Candidate Starts for DirtyBubble_55:
(Start: 19 @36927 has 8 MA's),

Gene: Dismas_54 Start: 36976, Stop: 37197, Start Num: 25
Candidate Starts for Dismas_54:
(Start: 25 @36976 has 11 MA's),

Gene: Doobus_54 Start: 35843, Stop: 36151, Start Num: 6
Candidate Starts for Doobus_54:
(Start: 6 @35843 has 36 MA's),

Gene: Eden_56 Start: 35874, Stop: 36098, Start Num: 23
Candidate Starts for Eden_56:
(11, 35811), (Start: 23 @35874 has 3 MA's), (30, 35949),

Gene: Elva_58 Start: 37321, Stop: 37581, Start Num: 19
Candidate Starts for Elva_58:
(Start: 19 @37321 has 8 MA's), (Start: 20 @37336 has 1 MA's),

Gene: Eula_56 Start: 36023, Stop: 36331, Start Num: 6
Candidate Starts for Eula_56:
(Start: 6 @36023 has 36 MA's),

Gene: Finalfrontier_57 Start: 37136, Stop: 37444, Start Num: 6
Candidate Starts for Finalfrontier_57:
(Start: 6 @37136 has 36 MA's),

Gene: FlameThrower_53 Start: 36782, Stop: 37003, Start Num: 25
Candidate Starts for FlameThrower_53:
(Start: 25 @36782 has 11 MA's),

Gene: Franklin22_58 Start: 35518, Stop: 35742, Start Num: 24

Candidate Starts for Franklin22_58:
(12, 35458), (Start: 24 @35518 has 1 MA's), (28, 35575),

Gene: Gack_55 Start: 35465, Stop: 35689, Start Num: 23
Candidate Starts for Gack_55:
(13, 35414), (17, 35432), (Start: 18 @35435 has 3 MA's), (21, 35462), (Start: 23 @35465 has 3 MA's), (32, 35642), (34, 35675),

Gene: Grist_57 Start: 36618, Stop: 36863, Start Num: 20
Candidate Starts for Grist_57:
(4, 36486), (5, 36534), (16, 36597), (Start: 18 @36603 has 3 MA's), (Start: 20 @36618 has 1 MA's),

Gene: Icarian_59 Start: 37925, Stop: 38185, Start Num: 19
Candidate Starts for Icarian_59:
(Start: 19 @37925 has 8 MA's),

Gene: IndyLu_57 Start: 36773, Stop: 37075, Start Num: 9
Candidate Starts for IndyLu_57:
(1, 36593), (3, 36686), (Start: 9 @36773 has 1 MA's),

Gene: Jabb_56 Start: 36037, Stop: 36345, Start Num: 6
Candidate Starts for Jabb_56:
(Start: 6 @36037 has 36 MA's),

Gene: Johnathan_55 Start: 35681, Stop: 35989, Start Num: 6
Candidate Starts for Johnathan_55:
(Start: 6 @35681 has 36 MA's),

Gene: Jovita_55 Start: 35892, Stop: 36200, Start Num: 6
Candidate Starts for Jovita_55:
(Start: 6 @35892 has 36 MA's),

Gene: Kamdara_53 Start: 37014, Stop: 37235, Start Num: 25
Candidate Starts for Kamdara_53:
(Start: 25 @37014 has 11 MA's),

Gene: Kate33_59 Start: 36512, Stop: 36820, Start Num: 6
Candidate Starts for Kate33_59:
(Start: 6 @36512 has 36 MA's),

Gene: Katzastrophic_55 Start: 37292, Stop: 37513, Start Num: 25
Candidate Starts for Katzastrophic_55:
(Start: 25 @37292 has 11 MA's),

Gene: Kenzers_56 Start: 36160, Stop: 36468, Start Num: 6
Candidate Starts for Kenzers_56:
(Start: 6 @36160 has 36 MA's),

Gene: Kieran_53 Start: 37017, Stop: 37238, Start Num: 25
Candidate Starts for Kieran_53:
(Start: 25 @37017 has 11 MA's),

Gene: Lahqtemish_55 Start: 36594, Stop: 36902, Start Num: 6

Candidate Starts for Lahqtemish_55:
(Start: 6 @36594 has 36 MA's),

Gene: Lilo27_57 Start: 36184, Stop: 36492, Start Num: 6
Candidate Starts for Lilo27_57:
(Start: 6 @36184 has 36 MA's),

Gene: LimaBean_56 Start: 35781, Stop: 36089, Start Num: 6
Candidate Starts for LimaBean_56:
(Start: 6 @35781 has 36 MA's),

Gene: Loviatar_57 Start: 38339, Stop: 38599, Start Num: 19
Candidate Starts for Loviatar_57:
(Start: 19 @38339 has 8 MA's),

Gene: Lynlen_57 Start: 36340, Stop: 36648, Start Num: 6
Candidate Starts for Lynlen_57:
(Start: 6 @36340 has 36 MA's),

Gene: Milomuff_57 Start: 36355, Stop: 36600, Start Num: 20
Candidate Starts for Milomuff_57:
(4, 36223), (5, 36271), (16, 36334), (Start: 18 @36340 has 3 MA's), (Start: 20 @36355 has 1 MA's),

Gene: MsUbiquitous_56 Start: 36037, Stop: 36345, Start Num: 6
Candidate Starts for MsUbiquitous_56:
(Start: 6 @36037 has 36 MA's),

Gene: Nicky22_57 Start: 36792, Stop: 37100, Start Num: 6
Candidate Starts for Nicky22_57:
(Start: 6 @36792 has 36 MA's), (27, 36921), (31, 37023),

Gene: PastaFagioli_56 Start: 36736, Stop: 37044, Start Num: 6
Candidate Starts for PastaFagioli_56:
(Start: 6 @36736 has 36 MA's),

Gene: Pecas_57 Start: 36418, Stop: 36726, Start Num: 6
Candidate Starts for Pecas_57:
(Start: 6 @36418 has 36 MA's),

Gene: PhigPhack_58 Start: 36350, Stop: 36610, Start Num: 18
Candidate Starts for PhigPhack_58:
(4, 36233), (5, 36281), (16, 36344), (Start: 18 @36350 has 3 MA's), (Start: 20 @36365 has 1 MA's),
(27, 36431),

Gene: Phisb_57 Start: 36464, Stop: 36766, Start Num: 7
Candidate Starts for Phisb_57:
(2, 36341), (Start: 7 @36464 has 1 MA's),

Gene: PondAmelia_58 Start: 37304, Stop: 37564, Start Num: 19
Candidate Starts for PondAmelia_58:
(Start: 19 @37304 has 8 MA's),

Gene: QMacho_58 Start: 36680, Stop: 36988, Start Num: 6

Candidate Starts for QMacho_58:
(Start: 6 @36680 has 36 MA's),

Gene: Quenya_57 Start: 37424, Stop: 37645, Start Num: 25
Candidate Starts for Quenya_57:
(Start: 25 @37424 has 11 MA's), (33, 37616),

Gene: Rollins_55 Start: 34757, Stop: 34981, Start Num: 22
Candidate Starts for Rollins_55:
(Start: 22 @34757 has 8 MA's),

Gene: Rona_53 Start: 36967, Stop: 37188, Start Num: 25
Candidate Starts for Rona_53:
(Start: 25 @36967 has 11 MA's),

Gene: SanaSana_58 Start: 37640, Stop: 37942, Start Num: 10
Candidate Starts for SanaSana_58:
(Start: 10 @37640 has 3 MA's),

Gene: SansAfet_57 Start: 36089, Stop: 36397, Start Num: 6
Candidate Starts for SansAfet_57:
(Start: 6 @36089 has 36 MA's), (27, 36218),

Gene: SarBear_56 Start: 35984, Stop: 36292, Start Num: 6
Candidate Starts for SarBear_56:
(Start: 6 @35984 has 36 MA's),

Gene: Sharkboy_54 Start: 37066, Stop: 37287, Start Num: 25
Candidate Starts for Sharkboy_54:
(Start: 25 @37066 has 11 MA's),

Gene: Shayna_62 Start: 36677, Stop: 36955, Start Num: 14
Candidate Starts for Shayna_62:
(Start: 14 @36677 has 3 MA's), (29, 36785),

Gene: SirBeanington_56 Start: 36501, Stop: 36809, Start Num: 6
Candidate Starts for SirBeanington_56:
(Start: 6 @36501 has 36 MA's),

Gene: Skylord_55 Start: 34698, Stop: 34922, Start Num: 22
Candidate Starts for Skylord_55:
(Start: 22 @34698 has 8 MA's),

Gene: Slay_56 Start: 36576, Stop: 36884, Start Num: 6
Candidate Starts for Slay_56:
(Start: 6 @36576 has 36 MA's),

Gene: Softsoap_57 Start: 36348, Stop: 36650, Start Num: 8
Candidate Starts for Softsoap_57:
(Start: 8 @36348 has 3 MA's),

Gene: Solea_58 Start: 36354, Stop: 36599, Start Num: 20
Candidate Starts for Solea_58:

(4, 36222), (5, 36270), (16, 36333), (Start: 18 @36339 has 3 MA's), (Start: 20 @36354 has 1 MA's),

Gene: Stoor_56 Start: 37427, Stop: 37729, Start Num: 10
Candidate Starts for Stoor_56:
(Start: 10 @37427 has 3 MA's),

Gene: Stromboli_56 Start: 37294, Stop: 37554, Start Num: 19
Candidate Starts for Stromboli_56:
(Start: 19 @37294 has 8 MA's),

Gene: SunnyD_62 Start: 36683, Stop: 36961, Start Num: 14
Candidate Starts for SunnyD_62:
(Start: 14 @36683 has 3 MA's), (29, 36791),

Gene: Swervy_57 Start: 36256, Stop: 36564, Start Num: 6
Candidate Starts for Swervy_57:
(Start: 6 @36256 has 36 MA's),

Gene: Teagster_61 Start: 36981, Stop: 37259, Start Num: 14
Candidate Starts for Teagster_61:
(Start: 14 @36981 has 3 MA's), (29, 37089),

Gene: TukTuk_57 Start: 36321, Stop: 36629, Start Num: 6
Candidate Starts for TukTuk_57:
(Start: 6 @36321 has 36 MA's),

Gene: Vitas_55 Start: 34730, Stop: 34954, Start Num: 22
Candidate Starts for Vitas_55:
(Start: 22 @34730 has 8 MA's),

Gene: WalkingDead_58 Start: 38049, Stop: 38309, Start Num: 19
Candidate Starts for WalkingDead_58:
(Start: 19 @38049 has 8 MA's),