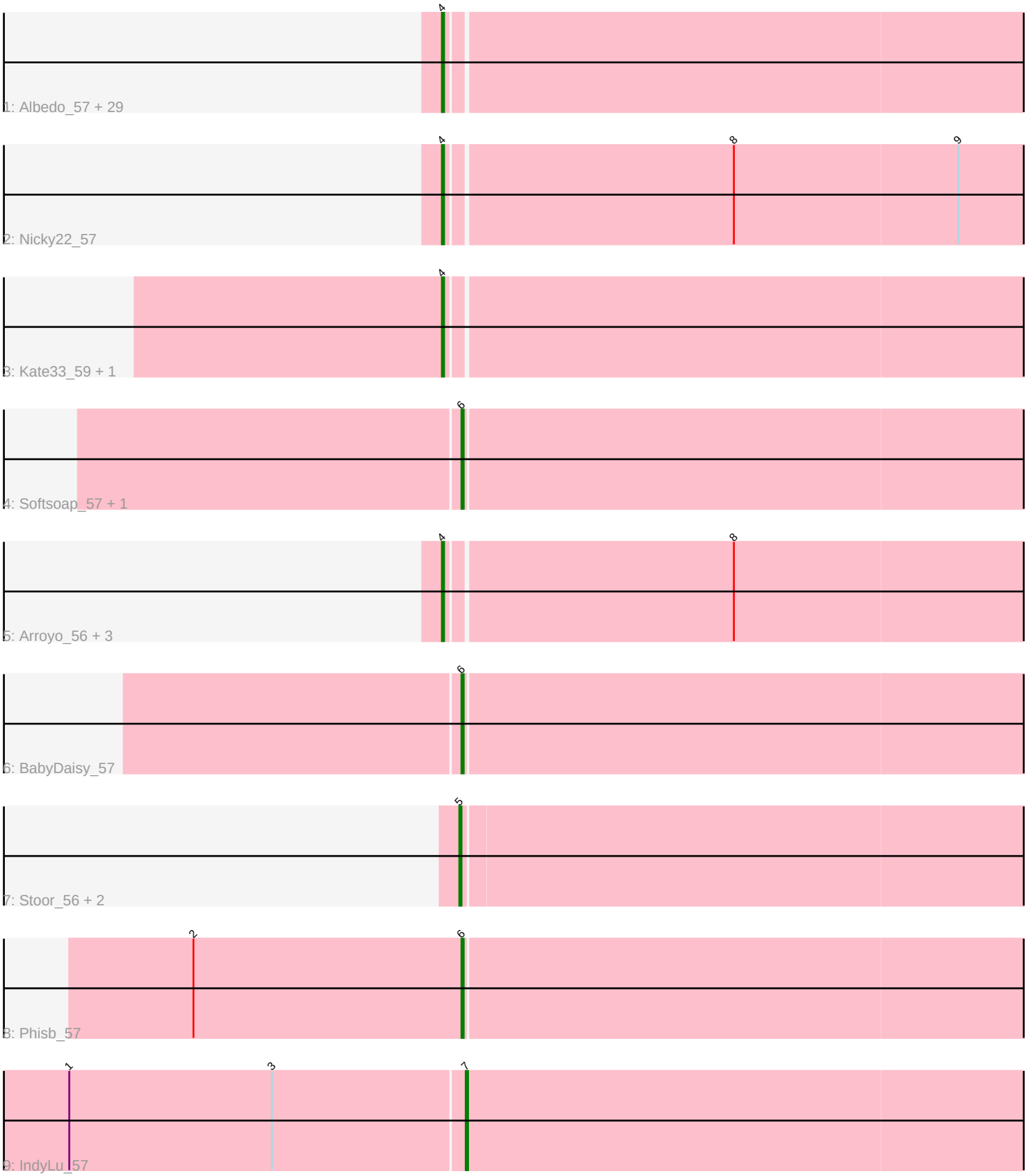
Pham 308444


4
1: Albedo_57 + 29
4
8
9
2: Nicky22_57
4
3: Kate33_59 + 1
6
4: Softsoap_57 + 1
4
8
5: Arroyo_56 + 3
6
6: BabyDaisy_57
5
7: Stoor_56 + 2
2
6
8: Phisb_57
1
3
7
9: IndyLu_57

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 308444 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308444 has 45 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Albedo_57, Swervy_57, Avocadoman_54, CroZenni_56, Jovita_55, Eula_56, QMacho_58, Kenzers_56, BubbaBear_55, DickRichards_54, SirBeanington_56, Slay_56, MsUbiquitous_56, Lynlen_57, AylexOG_58, Abigail_55, BelmontSKP_56, Lilo27_57, TukTuk_57, Jabb_56, Lahqtemish_55, Johnathan_55, AnnaLie_56, Doobus_54, CupcakePrincess_56, LimaBean_56, Finalfrontier_57, PastaFagioli_56, Pecas_57, SarBear_56
• Track 2 : Nicky22_57
• Track 3 : Kate33_59, Didgeridoo_60
• Track 4 : Softsoap_57, Burritobowl_57
• Track 5 : Arroyo_56, SansAfet_57, CanFranMach_57, Albright_53
• Track 6 : BabyDaisy_57
• Track 7 : Stoor_56, SanaSana_58, AvGardian_57
• Track 8 : Phisb_57
• Track 9 : IndyLu_57

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

The start number called the most often in the published annotations is 4, it was called in 34 of the 42 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_58, BelmontSKP_56, BubbaBear_55, CanFranMach_57, 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:
•

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

• AvGardian_57, BabyDaisy_57, Burritobowl_57, IndyLu_57, Phisb_57, SanaSana_58, Softsoap_57, Stoor_56,

Summary by start number:

Start 4:
• Found in 37 of 45 (82.2%) of genes in pham
• Manual Annotations of this start: 34 of 42
• Called 100.0% 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_58 (EB), BelmontSKP_56 (EB), BubbaBear_55 (EB), CanFranMach_57 (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 5:
• Found in 3 of 45 (6.7%) of genes in pham
• Manual Annotations of this start: 3 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AvGardian_57 (EB), SanaSana_58 (EB), Stoor_56 (EB),

Start 6:
• Found in 4 of 45 (8.9%) of genes in pham
• Manual Annotations of this start: 4 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BabyDaisy_57 (EB), Burritobowl_57 (EB), Phisb_57 (EB), Softsoap_57 (EB),

Start 7:
• Found in 1 of 45 (2.2%) of genes in pham
• Manual Annotations of this start: 1 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IndyLu_57 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 4 was manually annotated 34 times for cluster EB.
•Start number 5 was manually annotated 3 times for cluster EB.
•Start number 6 was manually annotated 4 times for cluster EB.
•Start number 7 was manually annotated 1 time for cluster EB.

Gene Information:

Gene: Abigail_55 Start: 35903, Stop: 36211, Start Num: 4
Candidate Starts for Abigail_55:
(Start: 4 @35903 has 34 MA's),

Gene: Albedo_57 Start: 36631, Stop: 36939, Start Num: 4
Candidate Starts for Albedo_57:
(Start: 4 @36631 has 34 MA's),

Gene: Albright_53 Start: 35334, Stop: 35642, Start Num: 4
Candidate Starts for Albright_53:
(Start: 4 @35334 has 34 MA's), (8, 35463),

Gene: AnnaLie_56 Start: 36560, Stop: 36868, Start Num: 4
Candidate Starts for AnnaLie_56:
(Start: 4 @36560 has 34 MA's),

Gene: Arroyo_56 Start: 36671, Stop: 36979, Start Num: 4
Candidate Starts for Arroyo_56:
(Start: 4 @36671 has 34 MA's), (8, 36800),

Gene: AvGardian_57 Start: 36837, Stop: 37139, Start Num: 5
Candidate Starts for AvGardian_57:
(Start: 5 @36837 has 3 MA's),

Gene: Avocadoman_54 Start: 35535, Stop: 35843, Start Num: 4
Candidate Starts for Avocadoman_54:
(Start: 4 @35535 has 34 MA's),

Gene: AylexOG_58 Start: 36566, Stop: 36874, Start Num: 4
Candidate Starts for AylexOG_58:
(Start: 4 @36566 has 34 MA's),

Gene: BabyDaisy_57 Start: 36841, Stop: 37143, Start Num: 6
Candidate Starts for BabyDaisy_57:
(Start: 6 @36841 has 4 MA's),

Gene: BelmontSKP_56 Start: 36560, Stop: 36868, Start Num: 4
Candidate Starts for BelmontSKP_56:
(Start: 4 @36560 has 34 MA's),

Gene: BubbaBear_55 Start: 36312, Stop: 36620, Start Num: 4
Candidate Starts for BubbaBear_55:
(Start: 4 @36312 has 34 MA's),

Gene: Burritobowl_57 Start: 36413, Stop: 36715, Start Num: 6
Candidate Starts for Burritobowl_57:
(Start: 6 @36413 has 4 MA's),

Gene: CanFranMach_57 Start: 36483, Stop: 36791, Start Num: 4
Candidate Starts for CanFranMach_57:
(Start: 4 @36483 has 34 MA's), (8, 36612),

Gene: CroZenni_56 Start: 36179, Stop: 36487, Start Num: 4

Candidate Starts for CroZenni_56:
(Start: 4 @36179 has 34 MA's),

Gene: CupcakePrincess_56 Start: 36037, Stop: 36345, Start Num: 4
Candidate Starts for CupcakePrincess_56:
(Start: 4 @36037 has 34 MA's),

Gene: DickRichards_54 Start: 36354, Stop: 36662, Start Num: 4
Candidate Starts for DickRichards_54:
(Start: 4 @36354 has 34 MA's),

Gene: Didgeridoo_60 Start: 37219, Stop: 37527, Start Num: 4
Candidate Starts for Didgeridoo_60:
(Start: 4 @37219 has 34 MA's),

Gene: Doobus_54 Start: 35843, Stop: 36151, Start Num: 4
Candidate Starts for Doobus_54:
(Start: 4 @35843 has 34 MA's),

Gene: Eula_56 Start: 36023, Stop: 36331, Start Num: 4
Candidate Starts for Eula_56:
(Start: 4 @36023 has 34 MA's),

Gene: Finalfrontier_57 Start: 37136, Stop: 37444, Start Num: 4
Candidate Starts for Finalfrontier_57:
(Start: 4 @37136 has 34 MA's),

Gene: IndyLu_57 Start: 36773, Stop: 37075, Start Num: 7
Candidate Starts for IndyLu_57:
(1, 36593), (3, 36686), (Start: 7 @36773 has 1 MA's),

Gene: Jabb_56 Start: 36037, Stop: 36345, Start Num: 4
Candidate Starts for Jabb_56:
(Start: 4 @36037 has 34 MA's),

Gene: Johnathan_55 Start: 35681, Stop: 35989, Start Num: 4
Candidate Starts for Johnathan_55:
(Start: 4 @35681 has 34 MA's),

Gene: Jovita_55 Start: 35892, Stop: 36200, Start Num: 4
Candidate Starts for Jovita_55:
(Start: 4 @35892 has 34 MA's),

Gene: Kate33_59 Start: 36512, Stop: 36820, Start Num: 4
Candidate Starts for Kate33_59:
(Start: 4 @36512 has 34 MA's),

Gene: Kenzers_56 Start: 36160, Stop: 36468, Start Num: 4
Candidate Starts for Kenzers_56:
(Start: 4 @36160 has 34 MA's),

Gene: Lahqtemish_55 Start: 36594, Stop: 36902, Start Num: 4
Candidate Starts for Lahqtemish_55:

(Start: 4 @36594 has 34 MA's),

Gene: Lilo27_57 Start: 36184, Stop: 36492, Start Num: 4
Candidate Starts for Lilo27_57:
(Start: 4 @36184 has 34 MA's),

Gene: LimaBean_56 Start: 35781, Stop: 36089, Start Num: 4
Candidate Starts for LimaBean_56:
(Start: 4 @35781 has 34 MA's),

Gene: Lynlen_57 Start: 36340, Stop: 36648, Start Num: 4
Candidate Starts for Lynlen_57:
(Start: 4 @36340 has 34 MA's),

Gene: MsUbiquitous_56 Start: 36037, Stop: 36345, Start Num: 4
Candidate Starts for MsUbiquitous_56:
(Start: 4 @36037 has 34 MA's),

Gene: Nicky22_57 Start: 36792, Stop: 37100, Start Num: 4
Candidate Starts for Nicky22_57:
(Start: 4 @36792 has 34 MA's), (8, 36921), (9, 37023),

Gene: PastaFagioli_56 Start: 36736, Stop: 37044, Start Num: 4
Candidate Starts for PastaFagioli_56:
(Start: 4 @36736 has 34 MA's),

Gene: Pecas_57 Start: 36418, Stop: 36726, Start Num: 4
Candidate Starts for Pecas_57:
(Start: 4 @36418 has 34 MA's),

Gene: Phisb_57 Start: 36464, Stop: 36766, Start Num: 6
Candidate Starts for Phisb_57:
(2, 36341), (Start: 6 @36464 has 4 MA's),

Gene: QMacho_58 Start: 36680, Stop: 36988, Start Num: 4
Candidate Starts for QMacho_58:
(Start: 4 @36680 has 34 MA's),

Gene: SanaSana_58 Start: 37640, Stop: 37942, Start Num: 5
Candidate Starts for SanaSana_58:
(Start: 5 @37640 has 3 MA's),

Gene: SansAfet_57 Start: 36089, Stop: 36397, Start Num: 4
Candidate Starts for SansAfet_57:
(Start: 4 @36089 has 34 MA's), (8, 36218),

Gene: SarBear_56 Start: 35984, Stop: 36292, Start Num: 4
Candidate Starts for SarBear_56:
(Start: 4 @35984 has 34 MA's),

Gene: SirBeanington_56 Start: 36501, Stop: 36809, Start Num: 4
Candidate Starts for SirBeanington_56:
(Start: 4 @36501 has 34 MA's),

Gene: Slay_56 Start: 36576, Stop: 36884, Start Num: 4
Candidate Starts for Slay_56:
(Start: 4 @36576 has 34 MA's),

Gene: Softsoap_57 Start: 36348, Stop: 36650, Start Num: 6
Candidate Starts for Softsoap_57:
(Start: 6 @36348 has 4 MA's),

Gene: Stoor_56 Start: 37427, Stop: 37729, Start Num: 5
Candidate Starts for Stoor_56:
(Start: 5 @37427 has 3 MA's),

Gene: Swervy_57 Start: 36256, Stop: 36564, Start Num: 4
Candidate Starts for Swervy_57:
(Start: 4 @36256 has 34 MA's),

Gene: TukTuk_57 Start: 36321, Stop: 36629, Start Num: 4
Candidate Starts for TukTuk_57:
(Start: 4 @36321 has 34 MA's),