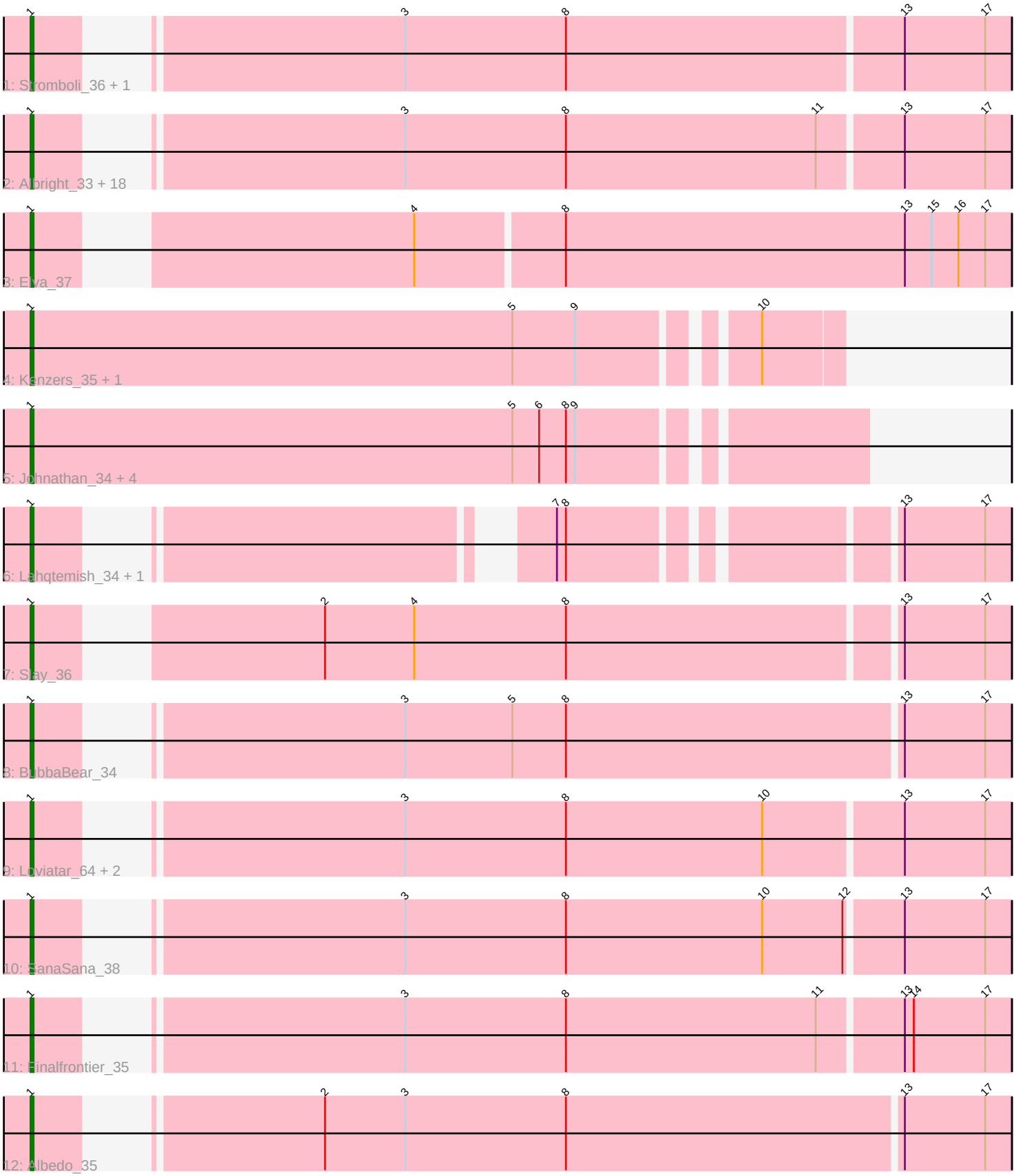
Pham 2786


1: Stromboli_36 + 1
2: Albright_33 + 18
3: Elva_37
4: Kenzers_35 + 1
5: Johnathan_34 + 4
6: Lahqtemish_34 + 1
7: Slay_36
8: BubbaBear_34
9: Leviatar_64 + 2
10: SanaSana_38
11: Finalfrontier_35
12: Albedo_35

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 2786 Report

This analysis was run 04/28/24 on database version 559.

Pham number 2786 has 39 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Stromboli_36, DirtyBubble_35
• Track 2 : Albright_33, Nicky22_36, Burritobowl_35, Jovita_36, Didgeridoo_37, Cashington_33, CroZenni_35, Eula_36, QMacho_37, Arroyo_36, Phisb_38, TukTuk_36, BelmontSKP_36, DickRichards_34, IndyLu_34, AnnaLie_36, SansAfet_36, BabyDaisy_34, Swervy_36
• Track 3 : Elva_37
• Track 4 : Kenzers_35, Lynlen_35
• Track 5 : Johnathan_34, Abigail_34, Doobus_34, LimaBean_34, Avocadoman_34
• Track 6 : Lahqtemish_34, SarBear_35
• Track 7 : Slay_36
• Track 8 : BubbaBear_34
• Track 9 : Loviatar_64, Icarian_40, Stoor_36
• Track 10 : SanaSana_38
• Track 11 : Finalfrontier_35
• Track 12 : Albedo_35

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

The start number called the most often in the published annotations is 1, it was called in 35 of the 35 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_34, Albedo_35, Albright_33, AnnaLie_36, Arroyo_36, Avocadoman_34, BabyDaisy_34, BelmontSKP_36, BubbaBear_34, Burritobowl_35, Cashington_33, CroZenni_35, DickRichards_34, Didgeridoo_37, DirtyBubble_35, Doobus_34, Elva_37, Eula_36, Finalfrontier_35, Icarian_40, IndyLu_34, Johnathan_34, Jovita_36, Kenzers_35, Lahqtemish_34, LimaBean_34, Loviatar_64, Lynlen_35, Nicky22_36, Phisb_38, QMacho_37, SanaSana_38, SansAfet_36, SarBear_35, Slay_36, Stoor_36, Stromboli_36, Swervy_36, TukTuk_36,

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

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

•

Summary by start number:

Start 1:
• Found in 39 of 39 (100.0%) of genes in pham
• Manual Annotations of this start: 35 of 35
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abigail_34 (EB), Albedo_35 (EB), Albright_33 (EB), AnnaLie_36 (EB), Arroyo_36 (EB), Avocadoman_34 (EB), BabyDaisy_34 (EB), BelmontSKP_36 (EB), BubbaBear_34 (EB), Burritobowl_35 (EB), Cashington_33 (EB), CroZenni_35 (EB), DickRichards_34 (EB), Didgeridoo_37 (EB), DirtyBubble_35 (EB), Doobus_34 (EB), Elva_37 (EB), Eula_36 (EB), Finalfrontier_35 (EB), Icarian_40 (EB), IndyLu_34 (EB), Johnathan_34 (EB), Jovita_36 (EB), Kenzers_35 (EB), Lahqtemish_34 (EB), LimaBean_34 (EB), Loviatar_64 (EB), Lynlen_35 (EB), Nicky22_36 (EB), Phisb_38 (EB), QMacho_37 (EB), SanaSana_38 (EB), SansAfet_36 (EB), SarBear_35 (EB), Slay_36 (EB), Stoor_36 (EB), Stromboli_36 (EB), Swervy_36 (EB), TukTuk_36 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 1 was manually annotated 35 times for cluster EB.

Gene Information:

Gene: Abigail_34 Start: 24918, Stop: 24649, Start Num: 1
Candidate Starts for Abigail_34:
(Start: 1 @24918 has 35 MA's), (5, 24756), (6, 24747), (8, 24738), (9, 24735),

Gene: Albedo_35 Start: 25456, Stop: 25157, Start Num: 1
Candidate Starts for Albedo_35:
(Start: 1 @25456 has 35 MA's), (2, 25384), (3, 25357), (8, 25303), (13, 25192), (17, 25165),

Gene: Albright_33 Start: 24620, Stop: 24321, Start Num: 1
Candidate Starts for Albright_33:
(Start: 1 @24620 has 35 MA's), (3, 24521), (8, 24467), (11, 24383), (13, 24356), (17, 24329),

Gene: AnnaLie_36 Start: 25741, Stop: 25442, Start Num: 1
Candidate Starts for AnnaLie_36:
(Start: 1 @25741 has 35 MA's), (3, 25642), (8, 25588), (11, 25504), (13, 25477), (17, 25450),

Gene: Arroyo_36 Start: 25779, Stop: 25480, Start Num: 1
Candidate Starts for Arroyo_36:
(Start: 1 @25779 has 35 MA's), (3, 25680), (8, 25626), (11, 25542), (13, 25515), (17, 25488),

Gene: Avocadoman_34 Start: 24857, Stop: 24588, Start Num: 1
Candidate Starts for Avocadoman_34:
(Start: 1 @24857 has 35 MA's), (5, 24695), (6, 24686), (8, 24677), (9, 24674),

Gene: BabyDaisy_34 Start: 25380, Stop: 25081, Start Num: 1
Candidate Starts for BabyDaisy_34:
(Start: 1 @25380 has 35 MA's), (3, 25281), (8, 25227), (11, 25143), (13, 25116), (17, 25089),

Gene: BelmontSKP_36 Start: 25741, Stop: 25442, Start Num: 1
Candidate Starts for BelmontSKP_36:
(Start: 1 @25741 has 35 MA's), (3, 25642), (8, 25588), (11, 25504), (13, 25477), (17, 25450),

Gene: BubbaBear_34 Start: 25313, Stop: 25014, Start Num: 1
Candidate Starts for BubbaBear_34:
(Start: 1 @25313 has 35 MA's), (3, 25214), (5, 25178), (8, 25160), (13, 25049), (17, 25022),

Gene: Burritobowl_35 Start: 25314, Stop: 25015, Start Num: 1
Candidate Starts for Burritobowl_35:
(Start: 1 @25314 has 35 MA's), (3, 25215), (8, 25161), (11, 25077), (13, 25050), (17, 25023),

Gene: Cashington_33 Start: 24660, Stop: 24361, Start Num: 1
Candidate Starts for Cashington_33:
(Start: 1 @24660 has 35 MA's), (3, 24561), (8, 24507), (11, 24423), (13, 24396), (17, 24369),

Gene: CroZenni_35 Start: 25204, Stop: 24905, Start Num: 1
Candidate Starts for CroZenni_35:
(Start: 1 @25204 has 35 MA's), (3, 25105), (8, 25051), (11, 24967), (13, 24940), (17, 24913),

Gene: DickRichards_34 Start: 25643, Stop: 25344, Start Num: 1
Candidate Starts for DickRichards_34:
(Start: 1 @25643 has 35 MA's), (3, 25544), (8, 25490), (11, 25406), (13, 25379), (17, 25352),

Gene: Didgeridoo_37 Start: 25777, Stop: 25478, Start Num: 1
Candidate Starts for Didgeridoo_37:
(Start: 1 @25777 has 35 MA's), (3, 25678), (8, 25624), (11, 25540), (13, 25513), (17, 25486),

Gene: DirtyBubble_35 Start: 26170, Stop: 25871, Start Num: 1
Candidate Starts for DirtyBubble_35:
(Start: 1 @26170 has 35 MA's), (3, 26071), (8, 26017), (13, 25906), (17, 25879),

Gene: Doobus_34 Start: 25024, Stop: 24755, Start Num: 1
Candidate Starts for Doobus_34:
(Start: 1 @25024 has 35 MA's), (5, 24862), (6, 24853), (8, 24844), (9, 24841),

Gene: Elva_37 Start: 26235, Stop: 25933, Start Num: 1
Candidate Starts for Elva_37:
(Start: 1 @26235 has 35 MA's), (4, 26130), (8, 26082), (13, 25968), (15, 25959), (16, 25950), (17, 25941),

Gene: Eula_36 Start: 25403, Stop: 25104, Start Num: 1
Candidate Starts for Eula_36:
(Start: 1 @25403 has 35 MA's), (3, 25304), (8, 25250), (11, 25166), (13, 25139), (17, 25112),

Gene: Finalfrontier_35 Start: 26027, Stop: 25728, Start Num: 1
Candidate Starts for Finalfrontier_35:

(Start: 1 @26027 has 35 MA's), (3, 25928), (8, 25874), (11, 25790), (13, 25763), (14, 25760), (17, 25736),

Gene: Icarian_40 Start: 26805, Stop: 26506, Start Num: 1
Candidate Starts for Icarian_40:
(Start: 1 @26805 has 35 MA's), (3, 26706), (8, 26652), (10, 26586), (13, 26541), (17, 26514),

Gene: IndyLu_34 Start: 25341, Stop: 25042, Start Num: 1
Candidate Starts for IndyLu_34:
(Start: 1 @25341 has 35 MA's), (3, 25242), (8, 25188), (11, 25104), (13, 25077), (17, 25050),

Gene: Johnathan_34 Start: 24747, Stop: 24478, Start Num: 1
Candidate Starts for Johnathan_34:
(Start: 1 @24747 has 35 MA's), (5, 24585), (6, 24576), (8, 24567), (9, 24564),

Gene: Jovita_36 Start: 25505, Stop: 25206, Start Num: 1
Candidate Starts for Jovita_36:
(Start: 1 @25505 has 35 MA's), (3, 25406), (8, 25352), (11, 25268), (13, 25241), (17, 25214),

Gene: Kenzers_35 Start: 25328, Stop: 25068, Start Num: 1
Candidate Starts for Kenzers_35:
(Start: 1 @25328 has 35 MA's), (5, 25166), (9, 25145), (10, 25094),

Gene: Lahqtemish_34 Start: 25374, Stop: 25108, Start Num: 1
Candidate Starts for Lahqtemish_34:
(Start: 1 @25374 has 35 MA's), (7, 25242), (8, 25239), (13, 25143), (17, 25116),

Gene: LimaBean_34 Start: 24796, Stop: 24527, Start Num: 1
Candidate Starts for LimaBean_34:
(Start: 1 @24796 has 35 MA's), (5, 24634), (6, 24625), (8, 24616), (9, 24613),

Gene: Loviatar_64 Start: 27357, Stop: 27058, Start Num: 1
Candidate Starts for Loviatar_64:
(Start: 1 @27357 has 35 MA's), (3, 27258), (8, 27204), (10, 27138), (13, 27093), (17, 27066),

Gene: Lynlen_35 Start: 25328, Stop: 25068, Start Num: 1
Candidate Starts for Lynlen_35:
(Start: 1 @25328 has 35 MA's), (5, 25166), (9, 25145), (10, 25094),

Gene: Nicky22_36 Start: 25867, Stop: 25568, Start Num: 1
Candidate Starts for Nicky22_36:
(Start: 1 @25867 has 35 MA's), (3, 25768), (8, 25714), (11, 25630), (13, 25603), (17, 25576),

Gene: Phisb_38 Start: 25461, Stop: 25159, Start Num: 1
Candidate Starts for Phisb_38:
(Start: 1 @25461 has 35 MA's), (3, 25362), (8, 25308), (11, 25224), (13, 25194), (17, 25167),

Gene: QMacho_37 Start: 25885, Stop: 25586, Start Num: 1
Candidate Starts for QMacho_37:
(Start: 1 @25885 has 35 MA's), (3, 25786), (8, 25732), (11, 25648), (13, 25621), (17, 25594),

Gene: SanaSana_38 Start: 27007, Stop: 26708, Start Num: 1
Candidate Starts for SanaSana_38:

(Start: 1 @27007 has 35 MA's), (3, 26908), (8, 26854), (10, 26788), (12, 26761), (13, 26743), (17, 26716),

Gene: SansAfet_36 Start: 25327, Stop: 25028, Start Num: 1
Candidate Starts for SansAfet_36:
(Start: 1 @25327 has 35 MA's), (3, 25228), (8, 25174), (11, 25090), (13, 25063), (17, 25036),

Gene: SarBear_35 Start: 25182, Stop: 24916, Start Num: 1
Candidate Starts for SarBear_35:
(Start: 1 @25182 has 35 MA's), (7, 25050), (8, 25047), (13, 24951), (17, 24924),

Gene: Slay_36 Start: 25863, Stop: 25564, Start Num: 1
Candidate Starts for Slay_36:
(Start: 1 @25863 has 35 MA's), (2, 25788), (4, 25758), (8, 25707), (13, 25599), (17, 25572),

Gene: Stoor_36 Start: 26676, Stop: 26377, Start Num: 1
Candidate Starts for Stoor_36:
(Start: 1 @26676 has 35 MA's), (3, 26577), (8, 26523), (10, 26457), (13, 26412), (17, 26385),

Gene: Stromboli_36 Start: 26540, Stop: 26241, Start Num: 1
Candidate Starts for Stromboli_36:
(Start: 1 @26540 has 35 MA's), (3, 26441), (8, 26387), (13, 26276), (17, 26249),

Gene: Swervy_36 Start: 25382, Stop: 25083, Start Num: 1
Candidate Starts for Swervy_36:
(Start: 1 @25382 has 35 MA's), (3, 25283), (8, 25229), (11, 25145), (13, 25118), (17, 25091),

Gene: TukTuk_36 Start: 25453, Stop: 25154, Start Num: 1
Candidate Starts for TukTuk_36:
(Start: 1 @25453 has 35 MA's), (3, 25354), (8, 25300), (11, 25216), (13, 25189), (17, 25162),