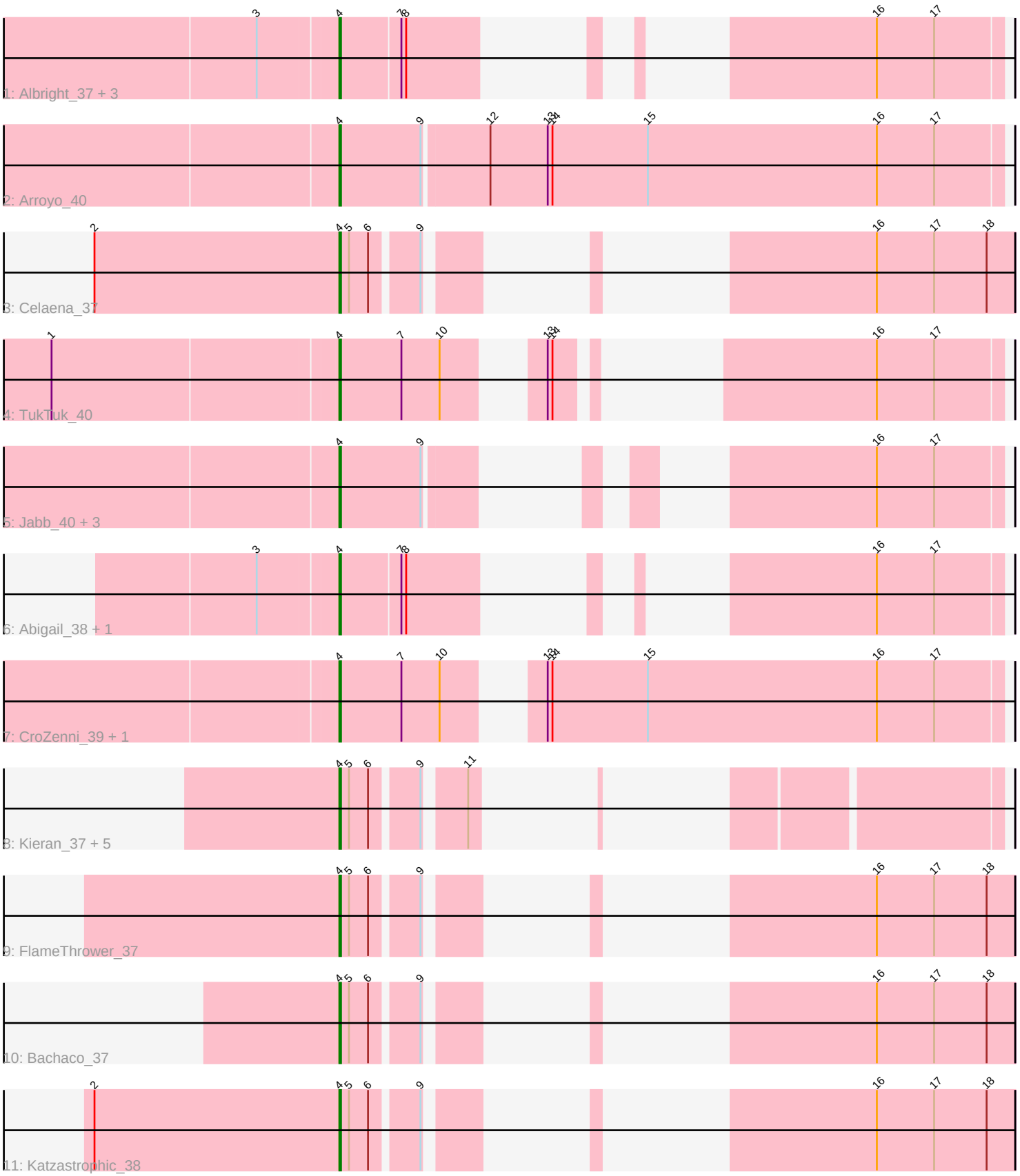
Pham 347995


1: Albright_37 + 3
2: Arroyo_40
3: Celaena_37
4: TukTuk_40
5: Jabb_40 + 3
6: Abigail_38 + 1
7: CroZenni_39 + 1
8: Kieran_37 + 5
9: FlameThrower_37
10: Bachaco_37
11: Katzastrophic_38

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 347995 Report

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

Pham number 347995 has 24 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Albright_37, Doobus_38, Cashington_37, Avocadoman_38
• Track 2 : Arroyo_40
• Track 3 : Celaena_37
• Track 4 : TukTuk_40
• Track 5 : Jabb_40, CupcakePrincess_40, Jovita_40, MsUbiquitous_40
• Track 6 : Abigail_38, LimaBean_38
• Track 7 : CroZenni_39, DickRichards_38
• Track 8 : Kieran_37, ChiliPepper_36, Rona_37, Kamdara_37, Sharkboy_38, Dismas_37
• Track 9 : FlameThrower_37
• Track 10 : Bachaco_37
• Track 11 : Katzastrophic_38

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 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_38, Albright_37, Arroyo_40, Avocadoman_38, Bachaco_37, Cashington_37, Celaena_37, ChiliPepper_36, CroZenni_39, CupcakePrincess_40, DickRichards_38, Dismas_37, Doobus_38, FlameThrower_37, Jabb_40, Jovita_40, Kamdara_37, Katzastrophic_38, Kieran_37, LimaBean_38, MsUbiquitous_40, Rona_37, Sharkboy_38, TukTuk_40,

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 4:

• Found in 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abigail_38 (EB), Albright_37 (EB), Arroyo_40 (EB), Avocadoman_38 (EB), Bachaco_37 (EB), Cashington_37 (EB), Celaena_37 (EB), ChiliPepper_36 (EB), CroZenni_39 (EB), CupcakePrincess_40 (EB), DickRichards_38 (EB), Dismas_37 (EB), Doobus_38 (EB), FlameThrower_37 (EB), Jabb_40 (EB), Jovita_40 (EB), Kamdara_37 (EB), Katzastrophic_38 (EB), Kieran_37 (EB), LimaBean_38 (EB), MsUbiquitous_40 (EB), Rona_37 (EB), Sharkboy_38 (EB), TukTuk_40 (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 24 times for cluster EB.

Gene Information:

Gene: Abigail_38 Start: 25955, Stop: 26224, Start Num: 4
Candidate Starts for Abigail_38:
(3, 25907), (Start: 4 @25955 has 24 MA's), (7, 25991), (8, 25994), (16, 26147), (17, 26183),

Gene: Albright_37 Start: 25657, Stop: 25926, Start Num: 4
Candidate Starts for Albright_37:
(3, 25609), (Start: 4 @25657 has 24 MA's), (7, 25693), (8, 25696), (16, 25849), (17, 25885),

Gene: Arroyo_40 Start: 26818, Stop: 27228, Start Num: 4
Candidate Starts for Arroyo_40:
(Start: 4 @26818 has 24 MA's), (9, 26869), (12, 26908), (13, 26944), (14, 26947), (15, 27007), (16, 27151), (17, 27187),

Gene: Avocadoman_38 Start: 25894, Stop: 26163, Start Num: 4
Candidate Starts for Avocadoman_38:
(3, 25846), (Start: 4 @25894 has 24 MA's), (7, 25930), (8, 25933), (16, 26086), (17, 26122),

Gene: Bachaco_37 Start: 27591, Stop: 27851, Start Num: 4
Candidate Starts for Bachaco_37:
(Start: 4 @27591 has 24 MA's), (5, 27597), (6, 27609), (9, 27636), (16, 27765), (17, 27801), (18, 27834),

Gene: Cashington_37 Start: 25697, Stop: 25966, Start Num: 4
Candidate Starts for Cashington_37:
(3, 25649), (Start: 4 @25697 has 24 MA's), (7, 25733), (8, 25736), (16, 25889), (17, 25925),

Gene: Celaena_37 Start: 27333, Stop: 27593, Start Num: 4
Candidate Starts for Celaena_37:
(2, 27180), (Start: 4 @27333 has 24 MA's), (5, 27339), (6, 27351), (9, 27378), (16, 27507), (17, 27543), (18, 27576),

Gene: ChiliPepper_36 Start: 26781, Stop: 27017, Start Num: 4
Candidate Starts for ChiliPepper_36:
(Start: 4 @26781 has 24 MA's), (5, 26787), (6, 26799), (9, 26826), (11, 26847),

Gene: CroZenni_39 Start: 26240, Stop: 26623, Start Num: 4
Candidate Starts for CroZenni_39:
(Start: 4 @26240 has 24 MA's), (7, 26279), (10, 26303), (13, 26339), (14, 26342), (15, 26402), (16, 26546), (17, 26582),

Gene: CupcakePrincess_40 Start: 26541, Stop: 26822, Start Num: 4
Candidate Starts for CupcakePrincess_40:
(Start: 4 @26541 has 24 MA's), (9, 26592), (16, 26745), (17, 26781),

Gene: DickRichards_38 Start: 26679, Stop: 27062, Start Num: 4
Candidate Starts for DickRichards_38:
(Start: 4 @26679 has 24 MA's), (7, 26718), (10, 26742), (13, 26778), (14, 26781), (15, 26841), (16, 26985), (17, 27021),

Gene: Dismas_37 Start: 26952, Stop: 27188, Start Num: 4
Candidate Starts for Dismas_37:
(Start: 4 @26952 has 24 MA's), (5, 26958), (6, 26970), (9, 26997), (11, 27018),

Gene: Doobus_38 Start: 26061, Stop: 26330, Start Num: 4
Candidate Starts for Doobus_38:
(3, 26013), (Start: 4 @26061 has 24 MA's), (7, 26097), (8, 26100), (16, 26253), (17, 26289),

Gene: FlameThrower_37 Start: 26783, Stop: 27043, Start Num: 4
Candidate Starts for FlameThrower_37:
(Start: 4 @26783 has 24 MA's), (5, 26789), (6, 26801), (9, 26828), (16, 26957), (17, 26993), (18, 27026),

Gene: Jabb_40 Start: 26541, Stop: 26822, Start Num: 4
Candidate Starts for Jabb_40:
(Start: 4 @26541 has 24 MA's), (9, 26592), (16, 26745), (17, 26781),

Gene: Jovita_40 Start: 26556, Stop: 26837, Start Num: 4
Candidate Starts for Jovita_40:
(Start: 4 @26556 has 24 MA's), (9, 26607), (16, 26760), (17, 26796),

Gene: Kamdara_37 Start: 26957, Stop: 27193, Start Num: 4
Candidate Starts for Kamdara_37:
(Start: 4 @26957 has 24 MA's), (5, 26963), (6, 26975), (9, 27002), (11, 27023),

Gene: Katzastrophic_38 Start: 26912, Stop: 27172, Start Num: 4
Candidate Starts for Katzastrophic_38:
(2, 26759), (Start: 4 @26912 has 24 MA's), (5, 26918), (6, 26930), (9, 26957), (16, 27086), (17, 27122), (18, 27155),

Gene: Kieran_37 Start: 26960, Stop: 27196, Start Num: 4
Candidate Starts for Kieran_37:
(Start: 4 @26960 has 24 MA's), (5, 26966), (6, 26978), (9, 27005), (11, 27026),

Gene: LimaBean_38 Start: 25833, Stop: 26102, Start Num: 4

Candidate Starts for LimaBean_38:
(3, 25785), (Start: 4 @25833 has 24 MA's), (7, 25869), (8, 25872), (16, 26025), (17, 26061),

Gene: MsUbiquitous_40 Start: 26541, Stop: 26822, Start Num: 4
Candidate Starts for MsUbiquitous_40:
(Start: 4 @26541 has 24 MA's), (9, 26592), (16, 26745), (17, 26781),

Gene: Rona_37 Start: 26943, Stop: 27179, Start Num: 4
Candidate Starts for Rona_37:
(Start: 4 @26943 has 24 MA's), (5, 26949), (6, 26961), (9, 26988), (11, 27009),

Gene: Sharkboy_38 Start: 27042, Stop: 27278, Start Num: 4
Candidate Starts for Sharkboy_38:
(Start: 4 @27042 has 24 MA's), (5, 27048), (6, 27060), (9, 27087), (11, 27108),

Gene: TukTuk_40 Start: 26501, Stop: 26797, Start Num: 4
Candidate Starts for TukTuk_40:
(1, 26327), (Start: 4 @26501 has 24 MA's), (7, 26540), (10, 26564), (13, 26600), (14, 26603), (16, 26720), (17, 26756),