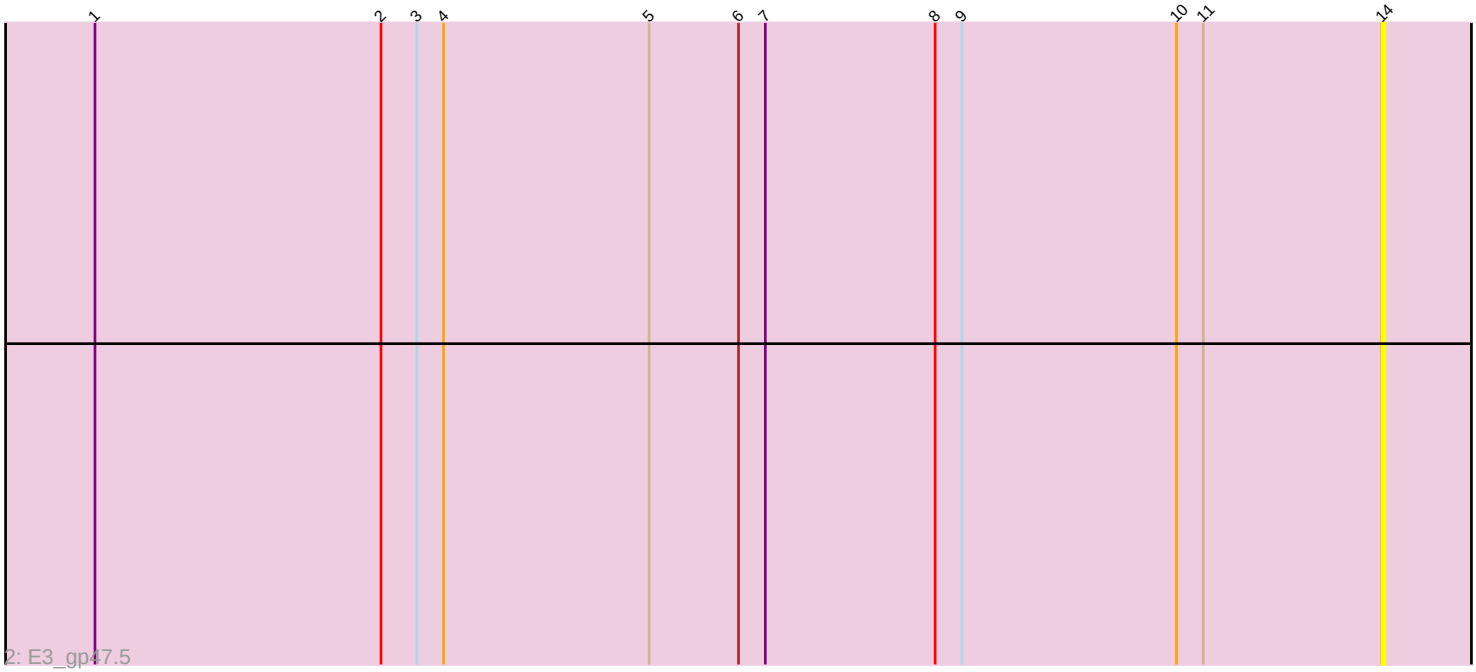
Pham 209365



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 209365 Report

This analysis was run 02/22/25 on database version 588.

Pham number 209365 has 6 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Morgana_79, ObLaDi_75, Aleemily_74, Cafasso_75, ModicumRichard_75
• Track 2 : E3_gp47.5

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

The start number called the most often in the published annotations is 13, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aleemily_74, Cafasso_75, ModicumRichard_75, Morgana_79, ObLaDi_75,

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

Genes that do not have the "Most Annotated" start:
• E3_gp47.5,

Summary by start number:

Start 13:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_74 (DZ), Cafasso_75 (DZ), ModicumRichard_75 (DZ), Morgana_79 (DZ), ObLaDi_75 (DZ),

Start 14:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: E3_gp47.5 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, DZ,

Info for manual annotations of cluster DZ:
•Start number 13 was manually annotated 4 times for cluster DZ.

Gene Information:

Gene: Aleemily_74 Start: 48353, Stop: 48517, Start Num: 13
Candidate Starts for Aleemily_74:
(12, 48347), (Start: 13 @48353 has 4 MA's),

Gene: Cafasso_75 Start: 48472, Stop: 48636, Start Num: 13
Candidate Starts for Cafasso_75:
(12, 48466), (Start: 13 @48472 has 4 MA's),

Gene: E3_gp47.5 Start: 20730, Stop: 20876, Start Num: 14
Candidate Starts for E3_gp47.5:
(1, 20298), (2, 20394), (3, 20406), (4, 20415), (5, 20484), (6, 20514), (7, 20523), (8, 20580), (9, 20589), (10, 20661), (11, 20670), (14, 20730),

Gene: ModicumRichard_75 Start: 48621, Stop: 48785, Start Num: 13
Candidate Starts for ModicumRichard_75:
(12, 48615), (Start: 13 @48621 has 4 MA's),

Gene: Morgana_79 Start: 50236, Stop: 50400, Start Num: 13
Candidate Starts for Morgana_79:
(12, 50230), (Start: 13 @50236 has 4 MA's),

Gene: ObLaDi_75 Start: 48599, Stop: 48763, Start Num: 13
Candidate Starts for ObLaDi_75:
(12, 48593), (Start: 13 @48599 has 4 MA's),