Pham 348360


1: Kavo_53 + 1
2: Schimmels22_54
3: HerculesXL_54
4: Tinyman4_53
5: Penta_53
6: WestPM_53

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 348360 Report

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

Pham number 348360 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Kavo_53, Scissor2024_55
• Track 2 : Schimmels22_54
• Track 3 : HerculesXL_54
• Track 4 : Tinyman4_53
• Track 5 : Penta_53
• Track 6 : WestPM_53

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• HerculesXL_54, Kavo_53, Penta_53, Scissor2024_55, Tinyman4_53, WestPM_53,

Genes that have the "Most Annotated" start but do not call it:
• Schimmels22_54,

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

Summary by start number:

Start 5:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Schimmels22_54 (EA11),

Start 7:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 85.7% of time when present

• Phage (with cluster) where this start called: HerculesXL_54 (EA11), Kavo_53 (EA11), Penta_53 (EA11), Scissor2024_55 (EA11), Tinyman4_53 (EA11), WestPM_53 (EA11),

Summary by clusters:

There is one cluster represented in this pham: EA11

Info for manual annotations of cluster EA11:
•Start number 5 was manually annotated 1 time for cluster EA11.
•Start number 7 was manually annotated 4 times for cluster EA11.

Gene Information:

Gene: HerculesXL_54 Start: 36768, Stop: 36403, Start Num: 7
Candidate Starts for HerculesXL_54:
(1, 37224), (2, 37200), (3, 37191), (4, 37176), (6, 36771), (Start: 7 @36768 has 4 MA's), (10, 36669), (11, 36648), (14, 36501), (15, 36489), (18, 36438),

Gene: Kavo_53 Start: 36814, Stop: 36449, Start Num: 7
Candidate Starts for Kavo_53:
(Start: 5 @36820 has 1 MA's), (6, 36817), (Start: 7 @36814 has 4 MA's), (10, 36715), (11, 36694), (12, 36688), (13, 36670), (14, 36547), (15, 36535), (18, 36484),

Gene: Penta_53 Start: 36969, Stop: 36457, Start Num: 7
Candidate Starts for Penta_53:
(6, 36972), (Start: 7 @36969 has 4 MA's), (9, 36894), (10, 36870), (11, 36849), (12, 36843), (13, 36825), (14, 36702), (15, 36690), (16, 36669), (18, 36639),

Gene: Schimmels22_54 Start: 37267, Stop: 36890, Start Num: 5
Candidate Starts for Schimmels22_54:
(Start: 5 @37267 has 1 MA's), (6, 37264), (Start: 7 @37261 has 4 MA's), (10, 37162), (11, 37141), (12, 37135), (13, 37117), (17, 36976), (19, 36946), (20, 36937),

Gene: Scissor2024_55 Start: 36901, Stop: 36536, Start Num: 7
Candidate Starts for Scissor2024_55:
(Start: 5 @36907 has 1 MA's), (6, 36904), (Start: 7 @36901 has 4 MA's), (10, 36802), (11, 36781), (12, 36775), (13, 36757), (14, 36634), (15, 36622), (18, 36571),

Gene: Tinyman4_53 Start: 36764, Stop: 36399, Start Num: 7
Candidate Starts for Tinyman4_53:
(6, 36767), (Start: 7 @36764 has 4 MA's), (10, 36665), (11, 36644), (12, 36638), (13, 36620), (14, 36497), (15, 36485), (18, 36434),

Gene: WestPM_53 Start: 37129, Stop: 36617, Start Num: 7
Candidate Starts for WestPM_53:
(6, 37132), (Start: 7 @37129 has 4 MA's), (8, 37084), (9, 37054), (10, 37030), (11, 37009), (12, 37003), (13, 36985), (14, 36862), (15, 36850), (16, 36829), (18, 36799),