Pham 348375



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 348375 Report

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

Pham number 348375 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Tank_25
• Track 2 : Rizwana_24
• Track 3 : Wilde_25
• Track 4 : Shoya_22
• Track 5 : Maja_23
• Track 6 : Ball_21

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Maja_23, Rizwana_24, Shoya_22, Tank_25, Wilde_25,

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

Genes that do not have the "Most Annotated" start:
• Ball_21,

Summary by start number:

Start 6:
• 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: Ball_21 (singleton),

Start 8:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Maja_23 (FO), Rizwana_24 (AP1), Shoya_22 (FB), Tank_25 (AP1), Wilde_25 (AP1),

Summary by clusters:

There are 4 clusters represented in this pham: FB, AP1, singleton, FO,

Info for manual annotations of cluster AP1:
•Start number 8 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster FB:
•Start number 8 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FO:
•Start number 8 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: Ball_21 Start: 17449, Stop: 18516, Start Num: 6
Candidate Starts for Ball_21:
(1, 16855), (2, 16864), (3, 17059), (4, 17179), (5, 17275), (6, 17449), (11, 17653), (15, 17776), (16, 17779), (17, 17824), (18, 17878), (21, 17923), (22, 17932), (23, 17959), (27, 18094), (28, 18115), (32, 18154), (37, 18214), (42, 18265), (48, 18349), (52, 18427), (55, 18481), (56, 18493),

Gene: Maja_23 Start: 17865, Stop: 18857, Start Num: 8
Candidate Starts for Maja_23:
(Start: 8 @17865 has 5 MA's), (9, 17886), (12, 18006), (13, 18051), (14, 18069), (15, 18075), (16, 18078), (17, 18123), (20, 18201), (21, 18222), (23, 18258), (25, 18288), (27, 18393), (28, 18414), (31, 18468), (35, 18516), (38, 18549), (53, 18753),

Gene: Rizwana_24 Start: 17371, Stop: 18291, Start Num: 8
Candidate Starts for Rizwana_24:
(7, 17305), (Start: 8 @17371 has 5 MA's), (9, 17392), (11, 17446), (13, 17557), (15, 17581), (17, 17629), (19, 17698), (20, 17707), (21, 17728), (23, 17764), (24, 17785), (26, 17893), (27, 17899), (28, 17920), (30, 17962), (34, 18001), (43, 18091), (45, 18103), (46, 18121), (54, 18247),

Gene: Shoya_22 Start: 17058, Stop: 17999, Start Num: 8
Candidate Starts for Shoya_22:
(Start: 8 @17058 has 5 MA's), (9, 17079), (11, 17133), (13, 17244), (14, 17262), (15, 17268), (17, 17316), (20, 17394), (21, 17415), (25, 17481), (27, 17586), (28, 17607), (31, 17667), (35, 17697), (39, 17733), (40, 17742), (41, 17754), (47, 17826), (50, 17859), (53, 17904),

Gene: Tank_25 Start: 17245, Stop: 18228, Start Num: 8
Candidate Starts for Tank_25:
(7, 17179), (Start: 8 @17245 has 5 MA's), (9, 17266), (10, 17317), (13, 17431), (14, 17449), (15, 17455), (17, 17503), (21, 17602), (24, 17659), (28, 17794), (29, 17827), (33, 17863), (36, 17899), (44, 17980), (49, 18052), (51, 18097),

Gene: Wilde_25 Start: 17174, Stop: 18157, Start Num: 8
Candidate Starts for Wilde_25:

(7, 17108), (Start: 8 @17174 has 5 MA's), (9, 17195), (10, 17246), (12, 17315), (13, 17360), (14, 17378), (15, 17384), (17, 17432), (21, 17531), (24, 17588), (28, 17723), (29, 17756), (33, 17792), (36, 17828), (44, 17909), (49, 17981), (51, 18026),