Pham 340237


1: Zapato_42
2: Jayden_44
3: Megan_37
4: Kozie_38
5: Camille_2
6: Damascus_2 + 1
7: Leaf_83 + 1
8: MisoSoup_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 340237 Report

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

Pham number 340237 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Zapato_42
• Track 2 : Jayden_44
• Track 3 : Megan_37
• Track 4 : Kozie_38
• Track 5 : Camille_2
• Track 6 : Damascus_2, DizzyRudy_2
• Track 7 : Leaf_83, Dewdrop_83
• Track 8 : MisoSoup_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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Camille_2, Damascus_2, Dewdrop_83, DizzyRudy_2, Jayden_44, Kozie_38, Leaf_83, Megan_37, MisoSoup_38, Zapato_42,

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 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Camille_2 (EL), Damascus_2 (EL), Dewdrop_83 (GC), DizzyRudy_2 (EL), Jayden_44 (EC), Kozie_38 (EI), Leaf_83 (GC), Megan_37 (EC), MisoSoup_38 (GM), Zapato_42 (EC),

Summary by clusters:

There are 5 clusters represented in this pham: EI, GM, GC, EC, EL,

Info for manual annotations of cluster EC:
•Start number 4 was manually annotated 2 times for cluster EC.

Info for manual annotations of cluster EI:
•Start number 4 was manually annotated 1 time for cluster EI.

Info for manual annotations of cluster EL:
•Start number 4 was manually annotated 3 times for cluster EL.

Info for manual annotations of cluster GC:
•Start number 4 was manually annotated 2 times for cluster GC.

Info for manual annotations of cluster GM:
•Start number 4 was manually annotated 1 time for cluster GM.

Gene Information:

Gene: Camille_2 Start: 355, Stop: 1161, Start Num: 4
Candidate Starts for Camille_2:
(Start: 4 @355 has 9 MA's), (6, 400), (12, 463), (16, 610), (17, 616), (19, 703), (22, 754), (27, 889), (31, 967), (38, 1048), (42, 1114),

Gene: Damascus_2 Start: 316, Stop: 1155, Start Num: 4
Candidate Starts for Damascus_2:
(Start: 4 @316 has 9 MA's), (6, 370), (12, 433), (16, 580), (22, 724), (24, 730), (25, 769), (26, 856), (28, 874), (29, 913), (33, 973), (36, 1009), (39, 1054),

Gene: Dewdrop_83 Start: 53415, Stop: 54248, Start Num: 4
Candidate Starts for Dewdrop_83:
(Start: 4 @53415 has 9 MA's), (6, 53472), (8, 53493), (13, 53592), (14, 53607), (16, 53682), (18, 53778), (20, 53790), (21, 53805), (27, 53973), (30, 54039), (34, 54105),

Gene: DizzyRudy_2 Start: 316, Stop: 1155, Start Num: 4
Candidate Starts for DizzyRudy_2:
(Start: 4 @316 has 9 MA's), (6, 370), (12, 433), (16, 580), (22, 724), (24, 730), (25, 769), (26, 856), (28, 874), (29, 913), (33, 973), (36, 1009), (39, 1054),

Gene: Jayden_44 Start: 30435, Stop: 31253, Start Num: 4
Candidate Starts for Jayden_44:
(Start: 4 @30435 has 9 MA's), (6, 30480), (11, 30537), (15, 30657), (16, 30690), (19, 30783), (27, 30972), (32, 31077), (34, 31095), (40, 31158),

Gene: Kozie_38 Start: 29439, Stop: 30248, Start Num: 4
Candidate Starts for Kozie_38:
(1, 29301), (2, 29346), (3, 29403), (Start: 4 @29439 has 9 MA's), (6, 29484), (13, 29604), (15, 29661), (17, 29700), (19, 29787), (23, 29841), (25, 29883), (27, 29970), (32, 30075), (34, 30093), (40, 30156), (43, 30207),

Gene: Leaf_83 Start: 53415, Stop: 54248, Start Num: 4
Candidate Starts for Leaf_83:
(Start: 4 @53415 has 9 MA's), (6, 53472), (8, 53493), (13, 53592), (14, 53607), (16, 53682), (18, 53778), (20, 53790), (21, 53805), (27, 53973), (30, 54039), (34, 54105),

Gene: Megan_37 Start: 30874, Stop: 31677, Start Num: 4
Candidate Starts for Megan_37:
(Start: 4 @30874 has 9 MA's), (5, 30886), (6, 30919), (10, 30970), (12, 30982), (13, 31039), (15, 31096), (25, 31318), (27, 31405), (34, 31528), (35, 31534), (40, 31591),

Gene: MisoSoup_38 Start: 27793, Stop: 28599, Start Num: 4
Candidate Starts for MisoSoup_38:
(Start: 4 @27793 has 9 MA's), (6, 27847), (7, 27865), (10, 27898), (16, 28057), (22, 28204), (27, 28318), (38, 28477), (41, 28534),

Gene: Zapato_42 Start: 30253, Stop: 31065, Start Num: 4
Candidate Starts for Zapato_42:
(Start: 4 @30253 has 9 MA's), (6, 30298), (9, 30331), (10, 30349), (15, 30475), (19, 30601), (27, 30784), (32, 30889), (34, 30907), (37, 30937), (40, 30970), (43, 31021),