# Pham 348139


4
6
7
1: Pharb_38
6
7
8
11
2: Hurricane_41
3
4
6
7
8
9
11
3: Keshu_41
6
7
11
4: ShedlockHolmes_40 + 2
6
7
11
5: Lea83_40
1
2
6
7
9
6: Shadow1_40 + 5
2
5
6
7
10
7: Ekdilam_36
6
7
11
12
8: TClif_40

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 348139 Report

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

Pham number 348139 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Pharb_38
• Track 2 : Hurricane_41
• Track 3 : Keshu_41
• Track 4 : ShedlockHolmes_40, TBond007_39, Pixie_39
• Track 5 : Lea83_40
• Track 6 : Shadow1_40, Tigress9_41, Krueger_41, Sunflower1121_40, Ximenita_42, Syra333_41
• Track 7 : Ekdilam_36
• Track 8 : TClif_40

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

The start number called the most often in the published annotations is 6, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ekdilam_36, Hurricane_41, Keshu_41, Krueger_41, Lea83_40, Pharb_38, Pixie_39, Shadow1_40, ShedlockHolmes_40, Sunflower1121_40, Syra333_41, TBond007_39, TClif_40, Tigress9_41, Ximenita_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 6:
• Found in 15 of 15 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ekdilam_36 (K6), Hurricane_41 (K3), Keshu_41 (K3), Krueger_41 (K6), Lea83_40 (K3), Pharb_38 (K3), Pixie_39 (K3),

Shadow1_40 (K6), ShedlockHolmes_40 (K3), Sunflower1121_40 (K6), Syra333_41 (K6), TBond007_39 (K3), TClif_40 (K6), Tigress9_41 (K6), Ximenita_42 (K6),

**Summary by clusters:**

There are 2 clusters represented in this pham: K3, K6,

Info for manual annotations of cluster K3:
•Start number 6 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K6:
•Start number 6 was manually annotated 8 times for cluster K6.

***Gene Information:***

Gene: Ekdilam_36 Start: 30677, Stop: 30883, Start Num: 6
Candidate Starts for Ekdilam_36:
(2, 30467), (5, 30635), (Start: 6 @30677 has 15 MA's), (7, 30695), (10, 30794),

Gene: Hurricane_41 Start: 31674, Stop: 31865, Start Num: 6
Candidate Starts for Hurricane_41:
(Start: 6 @31674 has 15 MA's), (7, 31701), (8, 31737), (11, 31824),

Gene: Keshu_41 Start: 31494, Stop: 31685, Start Num: 6
Candidate Starts for Keshu_41:
(3, 31389), (4, 31428), (Start: 6 @31494 has 15 MA's), (7, 31521), (8, 31557), (9, 31608), (11, 31644),

Gene: Krueger_41 Start: 30260, Stop: 30451, Start Num: 6
Candidate Starts for Krueger_41:
(1, 30005), (2, 30050), (Start: 6 @30260 has 15 MA's), (7, 30287), (9, 30374),

Gene: Lea83_40 Start: 31457, Stop: 31648, Start Num: 6
Candidate Starts for Lea83_40:
(Start: 6 @31457 has 15 MA's), (7, 31484), (11, 31607),

Gene: Pharb_38 Start: 30582, Stop: 30773, Start Num: 6
Candidate Starts for Pharb_38:
(4, 30516), (Start: 6 @30582 has 15 MA's), (7, 30609),

Gene: Pixie_39 Start: 30929, Stop: 31120, Start Num: 6
Candidate Starts for Pixie_39:
(Start: 6 @30929 has 15 MA's), (7, 30956), (11, 31079),

Gene: Shadow1_40 Start: 30169, Stop: 30360, Start Num: 6
Candidate Starts for Shadow1_40:
(1, 29914), (2, 29959), (Start: 6 @30169 has 15 MA's), (7, 30196), (9, 30283),

Gene: ShedlockHolmes_40 Start: 31460, Stop: 31651, Start Num: 6
Candidate Starts for ShedlockHolmes_40:
(Start: 6 @31460 has 15 MA's), (7, 31487), (11, 31610),

Gene: Sunflower1121_40 Start: 30262, Stop: 30453, Start Num: 6
Candidate Starts for Sunflower1121_40:
(1, 30007), (2, 30052), (Start: 6 @30262 has 15 MA's), (7, 30289), (9, 30376),

Gene: Syra333_41 Start: 30188, Stop: 30379, Start Num: 6
Candidate Starts for Syra333_41:
(1, 29933), (2, 29978), (Start: 6 @30188 has 15 MA's), (7, 30215), (9, 30302),

Gene: TBond007_39 Start: 30928, Stop: 31119, Start Num: 6
Candidate Starts for TBond007_39:
(Start: 6 @30928 has 15 MA's), (7, 30955), (11, 31078),

Gene: TClif_40 Start: 30382, Stop: 30573, Start Num: 6
Candidate Starts for TClif_40:
(Start: 6 @30382 has 15 MA's), (7, 30409), (11, 30532), (12, 30559),

Gene: Tigress9_41 Start: 30260, Stop: 30451, Start Num: 6
Candidate Starts for Tigress9_41:
(1, 30005), (2, 30050), (Start: 6 @30260 has 15 MA's), (7, 30287), (9, 30374),

Gene: Ximenita_42 Start: 30373, Stop: 30564, Start Num: 6
Candidate Starts for Ximenita_42:
(1, 30118), (2, 30163), (Start: 6 @30373 has 15 MA's), (7, 30400), (9, 30487),