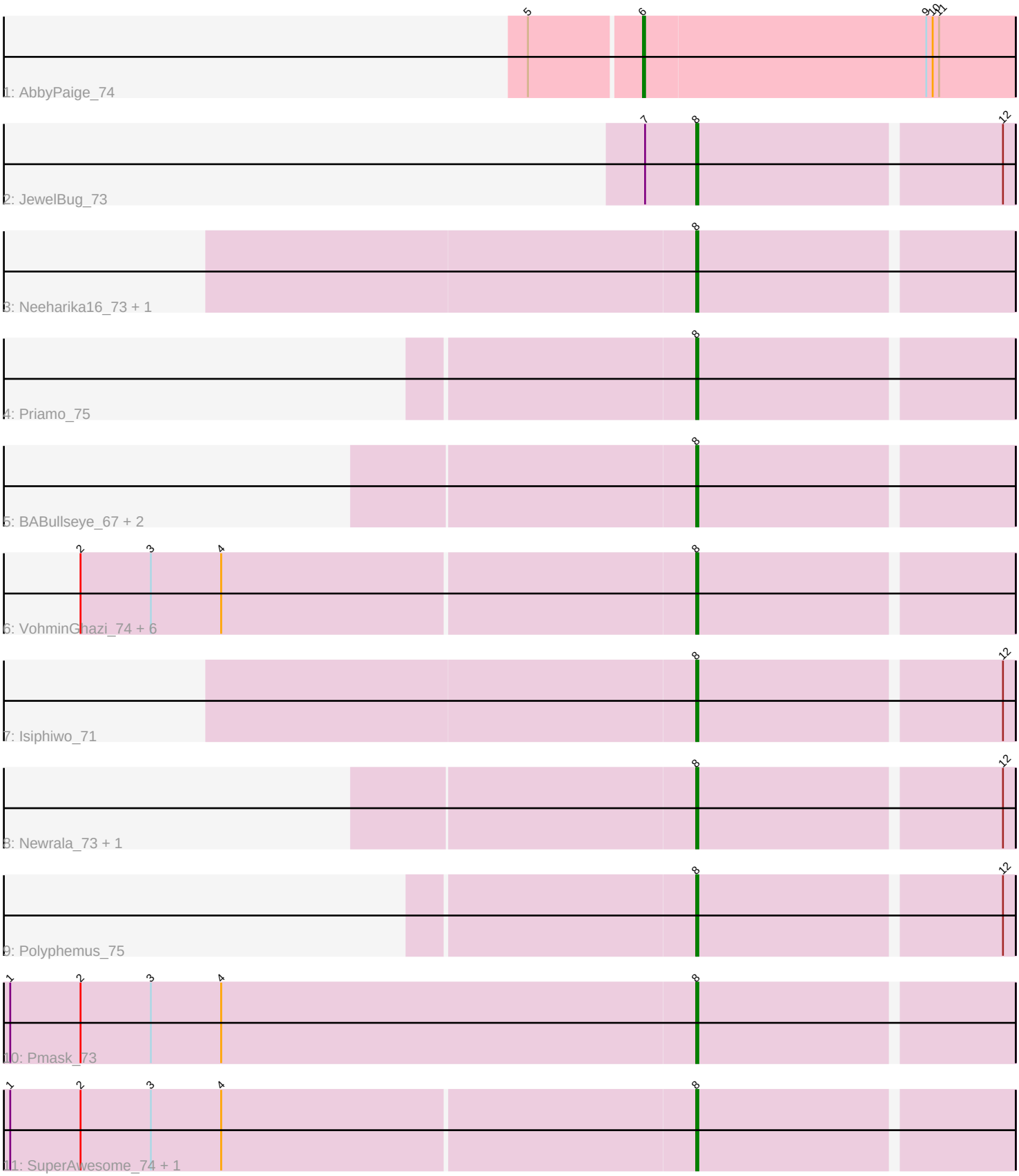
Pham 346139


5
6
9
10
11
1: AbbyPaige_74
7
8
12
2: JewelBug_73
8
3: Neeharika16_73 + 1
8
4: Priamo_75
8
5: BABullseye_67 + 2
2
3
4
8
6: VohminGhazi_74 + 6
8
12
7: Isiphiwo_71
8
12
8: Newrala_73 + 1
8
12
9: Polyphemus_75
1
2
3
4
8
10: Pmask_73
1
2
3
4
8
11: SuperAwesome_74 + 1

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 346139 Report

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

Pham number 346139 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : AbbyPaige_74
• Track 2 : JewelBug_73
• Track 3 : Neeharika16_73, SuperCallie99_71
• Track 4 : Priamo_75
• Track 5 : BABullseye_67, McFly_75, Dorothea_74
• Track 6 : VohminGhazi_74, Candra_75, Kipper29_74, Hoot_69, EricB_73, Chartreuse_73, DaVinci_72
• Track 7 : Isiphiwo_71
• Track 8 : Newrala_73, Jordennis_72
• Track 9 : Polyphemus_75
• Track 10 : Pmask_73
• Track 11 : SuperAwesome_74, DelvinSonDorr_70

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 20 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BABullseye_67, Candra_75, Chartreuse_73, DaVinci_72, DelvinSonDorr_70, Dorothea_74, EricB_73, Hoot_69, Isiphiwo_71, JewelBug_73, Jordennis_72, Kipper29_74, McFly_75, Neeharika16_73, Newrala_73, Pmask_73, Polyphemus_75, Priamo_75, SuperAwesome_74, SuperCallie99_71, VohminGhazi_74,

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

Genes that do not have the "Most Annotated" start:
• AbbyPaige_74,

Summary by start number:

Start 6:
• Found in 1 of 22 (4.5%) of genes in pham

• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyPaige_74 (A2),

Start 8:
• Found in 21 of 22 (95.5%) of genes in pham
• Manual Annotations of this start: 20 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BABullseye_67 (A6), Candra_75 (A6), Chartreuse_73 (A6), DaVinci_72 (A6), DelvinSonDorr_70 (A6), Dorothea_74 (A6), EricB_73 (A6), Hoot_69 (A6), Isiphiwo_71 (A6), JewelBug_73 (A6), Jordennis_72 (A6), Kipper29_74 (A6), McFly_75 (A6), Neeharika16_73 (A6), Newrala_73 (A6), Pmask_73 (A6), Polyphemus_75 (A6), Priamo_75 (A6), SuperAwesome_74 (A6), SuperCallie99_71 (A6), VohminGhazi_74 (A6),

Summary by clusters:

There are 2 clusters represented in this pham: A2, A6,

Info for manual annotations of cluster A2:
•Start number 6 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A6:
•Start number 8 was manually annotated 20 times for cluster A6.

Gene Information:

Gene: AbbyPaige_74 Start: 43716, Stop: 43543, Start Num: 6
Candidate Starts for AbbyPaige_74:
(5, 43767), (Start: 6 @43716 has 1 MA's), (9, 43584), (10, 43581), (11, 43578),

Gene: BABullseye_67 Start: 40157, Stop: 40014, Start Num: 8
Candidate Starts for BABullseye_67:
(Start: 8 @40157 has 20 MA's),

Gene: Candra_75 Start: 41853, Stop: 41710, Start Num: 8
Candidate Starts for Candra_75:
(2, 42138), (3, 42105), (4, 42072), (Start: 8 @41853 has 20 MA's),

Gene: Chartreuse_73 Start: 41164, Stop: 41021, Start Num: 8
Candidate Starts for Chartreuse_73:
(2, 41449), (3, 41416), (4, 41383), (Start: 8 @41164 has 20 MA's),

Gene: DaVinci_72 Start: 41218, Stop: 41075, Start Num: 8
Candidate Starts for DaVinci_72:
(2, 41503), (3, 41470), (4, 41437), (Start: 8 @41218 has 20 MA's),

Gene: DelvinSonDorr_70 Start: 41873, Stop: 41730, Start Num: 8
Candidate Starts for DelvinSonDorr_70:
(1, 42191), (2, 42158), (3, 42125), (4, 42092), (Start: 8 @41873 has 20 MA's),

Gene: Dorothea_74 Start: 42463, Stop: 42320, Start Num: 8
Candidate Starts for Dorothea_74:
(Start: 8 @42463 has 20 MA's),

Gene: EricB_73 Start: 41810, Stop: 41667, Start Num: 8
Candidate Starts for EricB_73:
(2, 42095), (3, 42062), (4, 42029), (Start: 8 @41810 has 20 MA's),

Gene: Hoot_69 Start: 39668, Stop: 39525, Start Num: 8
Candidate Starts for Hoot_69:
(2, 39953), (3, 39920), (4, 39887), (Start: 8 @39668 has 20 MA's),

Gene: Isiphiwo_71 Start: 41832, Stop: 41689, Start Num: 8
Candidate Starts for Isiphiwo_71:
(Start: 8 @41832 has 20 MA's), (12, 41694),

Gene: JewelBug_73 Start: 42554, Stop: 42411, Start Num: 8
Candidate Starts for JewelBug_73:
(7, 42578), (Start: 8 @42554 has 20 MA's), (12, 42416),

Gene: Jordennis_72 Start: 42048, Stop: 41905, Start Num: 8
Candidate Starts for Jordennis_72:
(Start: 8 @42048 has 20 MA's), (12, 41910),

Gene: Kipper29_74 Start: 41836, Stop: 41693, Start Num: 8
Candidate Starts for Kipper29_74:
(2, 42121), (3, 42088), (4, 42055), (Start: 8 @41836 has 20 MA's),

Gene: McFly_75 Start: 42451, Stop: 42308, Start Num: 8
Candidate Starts for McFly_75:
(Start: 8 @42451 has 20 MA's),

Gene: Neeharika16_73 Start: 41917, Stop: 41774, Start Num: 8
Candidate Starts for Neeharika16_73:
(Start: 8 @41917 has 20 MA's),

Gene: Newrala_73 Start: 42257, Stop: 42114, Start Num: 8
Candidate Starts for Newrala_73:
(Start: 8 @42257 has 20 MA's), (12, 42119),

Gene: Pmask_73 Start: 42453, Stop: 42310, Start Num: 8
Candidate Starts for Pmask_73:
(1, 42774), (2, 42741), (3, 42708), (4, 42675), (Start: 8 @42453 has 20 MA's),

Gene: Polyphemus_75 Start: 42640, Stop: 42497, Start Num: 8
Candidate Starts for Polyphemus_75:
(Start: 8 @42640 has 20 MA's), (12, 42502),

Gene: Priamo_75 Start: 42118, Stop: 41975, Start Num: 8
Candidate Starts for Priamo_75:
(Start: 8 @42118 has 20 MA's),

Gene: SuperAwesome_74 Start: 42495, Stop: 42352, Start Num: 8

Candidate Starts for SuperAwesome_74:
(1, 42813), (2, 42780), (3, 42747), (4, 42714), (Start: 8 @42495 has 20 MA's),

Gene: SuperCallie99_71 Start: 42337, Stop: 42194, Start Num: 8
Candidate Starts for SuperCallie99_71:
(Start: 8 @42337 has 20 MA's),

Gene: VohminGhazi_74 Start: 41818, Stop: 41675, Start Num: 8
Candidate Starts for VohminGhazi_74:
(2, 42103), (3, 42070), (4, 42037), (Start: 8 @41818 has 20 MA's),