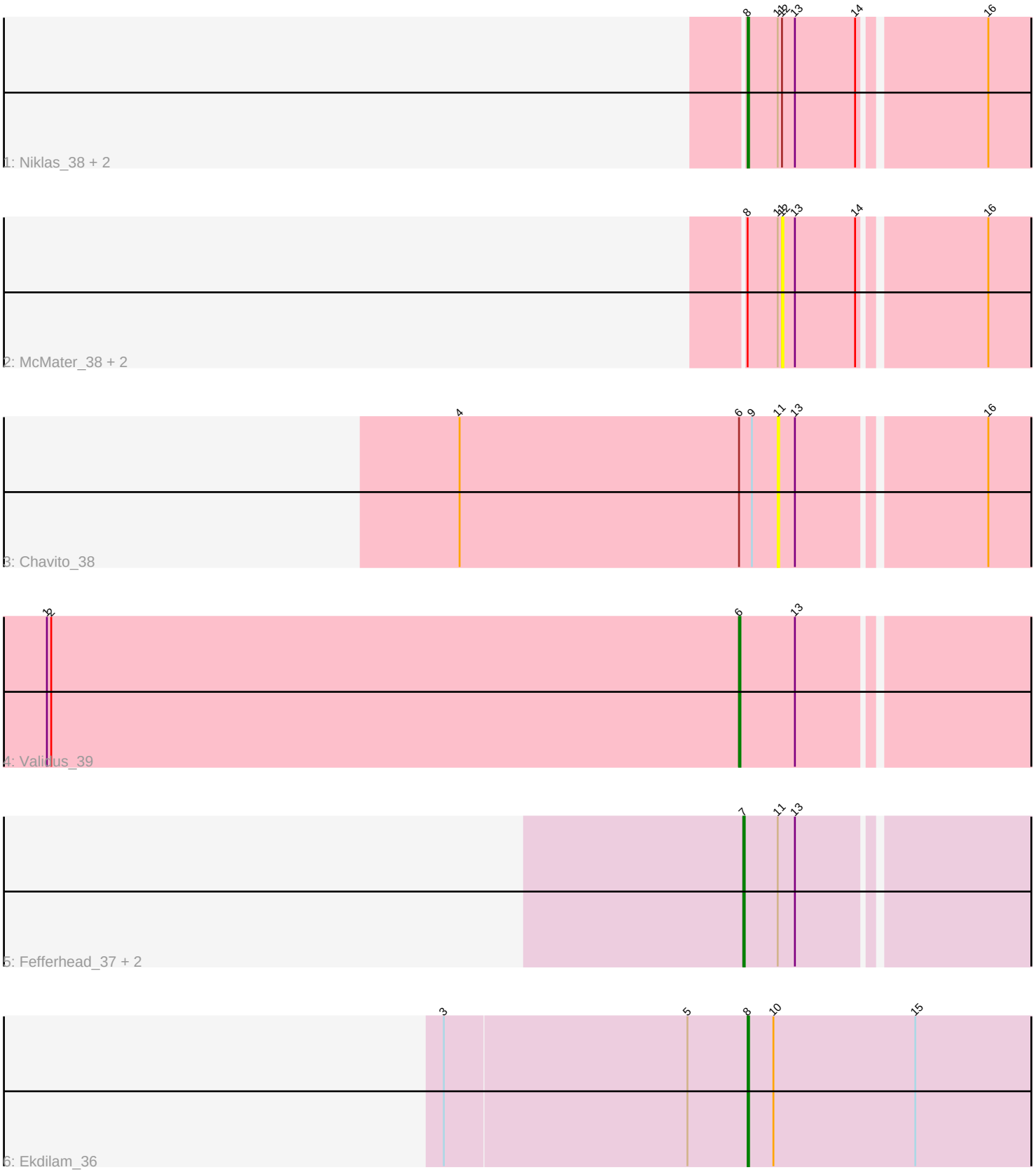
Pham 300490


8
11
12
13
14
16
1: Niklas_38 + 2
8
11
12
13
14
16
2: McMater_38 + 2
4
6
9
11
13
16
3: Chavito_38
12
6
13
4: Valibus_39
7
11
13
5: Fefferhead_37 + 2
3
5
8
10
15
6: Ekdilam_36

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 300490 Report

This analysis was run 06/08/26 on database version 649.

Pham number 300490 has 12 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Niklas_38, Shaobing_38, Peanam_38
• Track 2 : McMater_38, Dartin_38, Richo_38
• Track 3 : Chavito_38
• Track 4 : Validus_39
• Track 5 : Fefferhead_37, Applecrisp_36, Ellie_35
• Track 6 : Ekdilam_36

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 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ekdilam_36, Niklas_38, Peanam_38, Shaobing_38,

Genes that have the "Most Annotated" start but do not call it:
• Dartin_38, McMater_38, Richo_38,

Genes that do not have the "Most Annotated" start:
• Applecrisp_36, Chavito_38, Ellie_35, Fefferhead_37, Validus_39,

Summary by start number:

Start 6:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Validus_39 (K1),

Start 7:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Applecrisp_36 (K6), Ellie_35 (K6), Fefferhead_37 (K6),

Start 8:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 57.1% of time when present
• Phage (with cluster) where this start called: Ekdilam_36 (K6), Niklas_38 (K1), Peanam_38 (K1), Shaobing_38 (K1),

Start 11:
• Found in 10 of 12 (83.3%) of genes in pham
• No Manual Annotations of this start.
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Chavito_38 (K1),

Start 12:
• Found in 6 of 12 (50.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Dartin_38 (K1), McMater_38 (K1), Richo_38 (K1),

Summary by clusters:

There are 2 clusters represented in this pham: K1, K6,

Info for manual annotations of cluster K1:
•Start number 6 was manually annotated 1 time for cluster K1.
•Start number 8 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K6:
•Start number 7 was manually annotated 3 times for cluster K6.
•Start number 8 was manually annotated 1 time for cluster K6.

Gene Information:

Gene: Applecrisp_36 Start: 30744, Stop: 30941, Start Num: 7
Candidate Starts for Applecrisp_36:
(Start: 7 @30744 has 3 MA's), (11, 30768), (13, 30780),

Gene: Chavito_38 Start: 29976, Stop: 30149, Start Num: 11
Candidate Starts for Chavito_38:
(4, 29754), (Start: 6 @29949 has 1 MA's), (9, 29958), (11, 29976), (13, 29988), (16, 30111),

Gene: Dartin_38 Start: 29663, Stop: 29836, Start Num: 12
Candidate Starts for Dartin_38:
(Start: 8 @29639 has 4 MA's), (11, 29660), (12, 29663), (13, 29672), (14, 29714), (16, 29795),

Gene: Ekdilam_36 Start: 30677, Stop: 30883, Start Num: 8
Candidate Starts for Ekdilam_36:

(3, 30467), (5, 30635), (Start: 8 @30677 has 4 MA's), (10, 30695), (15, 30794),

Gene: Ellie_35 Start: 30435, Stop: 30632, Start Num: 7
Candidate Starts for Ellie_35:
(Start: 7 @30435 has 3 MA's), (11, 30459), (13, 30471),

Gene: Fefferhead_37 Start: 30635, Stop: 30832, Start Num: 7
Candidate Starts for Fefferhead_37:
(Start: 7 @30635 has 3 MA's), (11, 30659), (13, 30671),

Gene: McMater_38 Start: 29663, Stop: 29836, Start Num: 12
Candidate Starts for McMater_38:
(Start: 8 @29639 has 4 MA's), (11, 29660), (12, 29663), (13, 29672), (14, 29714), (16, 29795),

Gene: Niklas_38 Start: 29642, Stop: 29839, Start Num: 8
Candidate Starts for Niklas_38:
(Start: 8 @29642 has 4 MA's), (11, 29663), (12, 29666), (13, 29675), (14, 29717), (16, 29798),

Gene: Peanam_38 Start: 29639, Stop: 29836, Start Num: 8
Candidate Starts for Peanam_38:
(Start: 8 @29639 has 4 MA's), (11, 29660), (12, 29663), (13, 29672), (14, 29714), (16, 29795),

Gene: Richo_38 Start: 29663, Stop: 29836, Start Num: 12
Candidate Starts for Richo_38:
(Start: 8 @29639 has 4 MA's), (11, 29660), (12, 29663), (13, 29672), (14, 29714), (16, 29795),

Gene: Shaobing_38 Start: 29639, Stop: 29836, Start Num: 8
Candidate Starts for Shaobing_38:
(Start: 8 @29639 has 4 MA's), (11, 29660), (12, 29663), (13, 29672), (14, 29714), (16, 29795),

Gene: Validus_39 Start: 29569, Stop: 29769, Start Num: 6
Candidate Starts for Validus_39:
(1, 29086), (2, 29089), (Start: 6 @29569 has 1 MA's), (13, 29608),