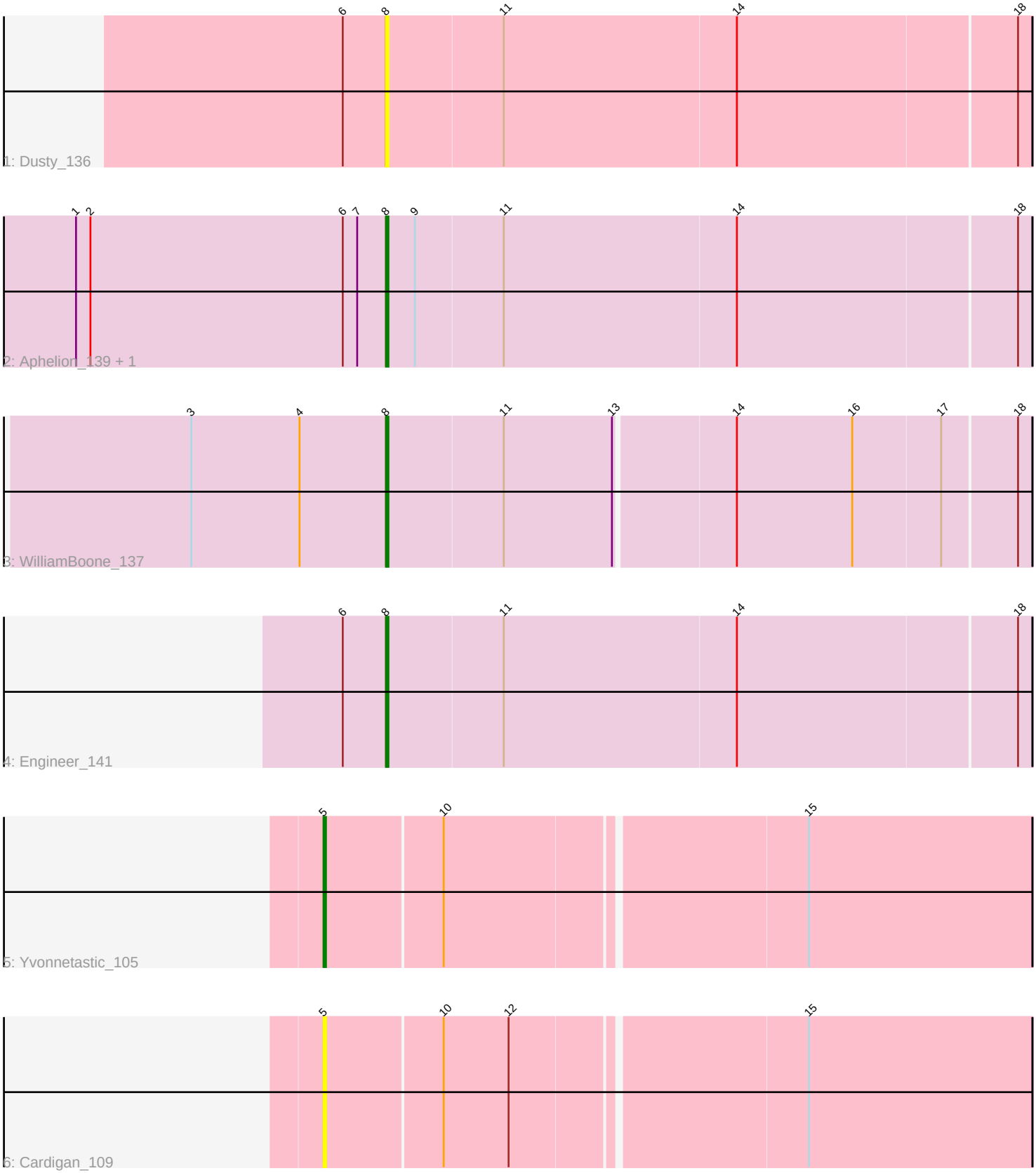
Pham 172045


6
8
11
14
18
1: Dusty_136
1
2
6
7
8
9
11
14
18
2: Aphelion_139 + 1
3
4
8
11
13
14
16
17
18
3: WilliamBoone_137
6
8
11
14
18
4: Engineer_141
5
10
15
5: Yvonnetastic_105
5
10
12
15
6: Cardigan_109

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 172045 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172045 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Dusty_136
• Track 2 : Aphelion_139, Culver_139
• Track 3 : WilliamBoone_137
• Track 4 : Engineer_141
• Track 5 : Yvonnetastic_105
• Track 6 : Cardigan_109

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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aphelion_139, Culver_139, Dusty_136, Engineer_141, WilliamBoone_137,

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

Genes that do not have the "Most Annotated" start:
• Cardigan_109, Yvonnetastic_105,

Summary by start number:

Start 5:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cardigan_109 (DD), Yvonnetastic_105 (DD),

Start 8:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Aphelion_139 (CQ1), Culver_139 (CQ1), Dusty_136 (CQ), Engineer_141 (CQ1), WilliamBoone_137 (CQ1),

Summary by clusters:

There are 3 clusters represented in this pham: CQ1, CQ, DD,

Info for manual annotations of cluster CQ1:
•Start number 8 was manually annotated 4 times for cluster CQ1.

Info for manual annotations of cluster DD:
•Start number 5 was manually annotated 1 time for cluster DD.

Gene Information:

Gene: Aphelion_139 Start: 77220, Stop: 77483, Start Num: 8
Candidate Starts for Aphelion_139:
(1, 77091), (2, 77097), (6, 77202), (7, 77208), (Start: 8 @77220 has 4 MA's), (9, 77232), (11, 77268), (14, 77364), (18, 77478),

Gene: Cardigan_109 Start: 63163, Stop: 63447, Start Num: 5
Candidate Starts for Cardigan_109:
(Start: 5 @63163 has 1 MA's), (10, 63211), (12, 63238), (15, 63355),

Gene: Culver_139 Start: 75674, Stop: 75937, Start Num: 8
Candidate Starts for Culver_139:
(1, 75545), (2, 75551), (6, 75656), (7, 75662), (Start: 8 @75674 has 4 MA's), (9, 75686), (11, 75722), (14, 75818), (18, 75932),

Gene: Dusty_136 Start: 75910, Stop: 76173, Start Num: 8
Candidate Starts for Dusty_136:
(6, 75892), (Start: 8 @75910 has 4 MA's), (11, 75958), (14, 76054), (18, 76168),

Gene: Engineer_141 Start: 77134, Stop: 77397, Start Num: 8
Candidate Starts for Engineer_141:
(6, 77116), (Start: 8 @77134 has 4 MA's), (11, 77182), (14, 77278), (18, 77392),

Gene: WilliamBoone_137 Start: 74000, Stop: 74260, Start Num: 8
Candidate Starts for WilliamBoone_137:
(3, 73919), (4, 73964), (Start: 8 @74000 has 4 MA's), (11, 74048), (13, 74093), (14, 74141), (16, 74189), (17, 74225), (18, 74255),

Gene: Yvonnetastic_105 Start: 60859, Stop: 61143, Start Num: 5
Candidate Starts for Yvonnetastic_105:
(Start: 5 @60859 has 1 MA's), (10, 60907), (15, 61051),