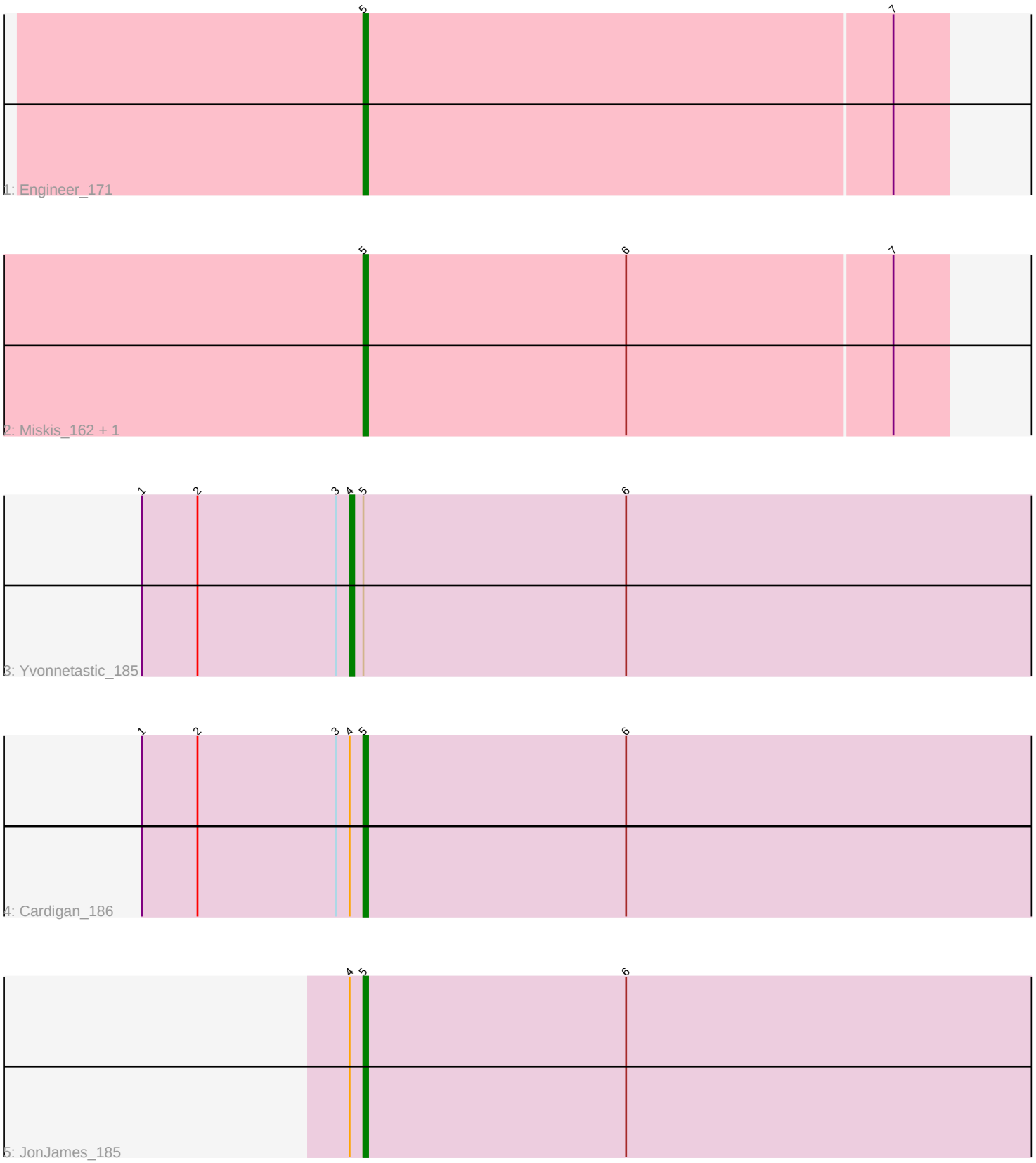
Pham 346551


5
7
1: Engineer_171
5
6
7
2: Miskis_162 + 1
1
2
3
4
5
6
3: Yvonnetastic_185
1
2
3
4
5
6
4: Cardigan_186
4
5
6
5: JonJames_185

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 346551 Report

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

Pham number 346551 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Engineer_171
• Track 2 : Miskis_162, Culver_170
• Track 3 : Yvonnetastic_185
• Track 4 : Cardigan_186
• Track 5 : JonJames_185

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cardigan_186, Culver_170, Engineer_171, JonJames_185, Miskis_162,

Genes that have the "Most Annotated" start but do not call it:
• Yvonnetastic_185,

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

Summary by start number:

Start 4:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Yvonnetastic_185 (DD),

Start 5:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Cardigan_186 (DD), Culver_170 (CQ1), Engineer_171 (CQ1), JonJames_185 (DD), Miskis_162 (CQ1),

Summary by clusters:

There are 2 clusters represented in this pham: DD, CQ1,

Info for manual annotations of cluster CQ1:
•Start number 5 was manually annotated 3 times for cluster CQ1.

Info for manual annotations of cluster DD:
•Start number 4 was manually annotated 1 time for cluster DD.
•Start number 5 was manually annotated 2 times for cluster DD.

Gene Information:

Gene: Cardigan_186 Start: 94085, Stop: 93930, Start Num: 5
Candidate Starts for Cardigan_186:
(1, 94133), (2, 94121), (3, 94091), (Start: 4 @94088 has 1 MA's), (Start: 5 @94085 has 5 MA's), (6, 94028),

Gene: Culver_170 Start: 85578, Stop: 85453, Start Num: 5
Candidate Starts for Culver_170:
(Start: 5 @85578 has 5 MA's), (6, 85521), (7, 85464),

Gene: Engineer_171 Start: 86803, Stop: 86678, Start Num: 5
Candidate Starts for Engineer_171:
(Start: 5 @86803 has 5 MA's), (7, 86689),

Gene: JonJames_185 Start: 95005, Stop: 94850, Start Num: 5
Candidate Starts for JonJames_185:
(Start: 4 @95008 has 1 MA's), (Start: 5 @95005 has 5 MA's), (6, 94948),

Gene: Miskis_162 Start: 85783, Stop: 85658, Start Num: 5
Candidate Starts for Miskis_162:
(Start: 5 @85783 has 5 MA's), (6, 85726), (7, 85669),

Gene: Yvonnetastic_185 Start: 91907, Stop: 91749, Start Num: 4
Candidate Starts for Yvonnetastic_185:
(1, 91952), (2, 91940), (3, 91910), (Start: 4 @91907 has 1 MA's), (Start: 5 @91904 has 5 MA's), (6, 91847),