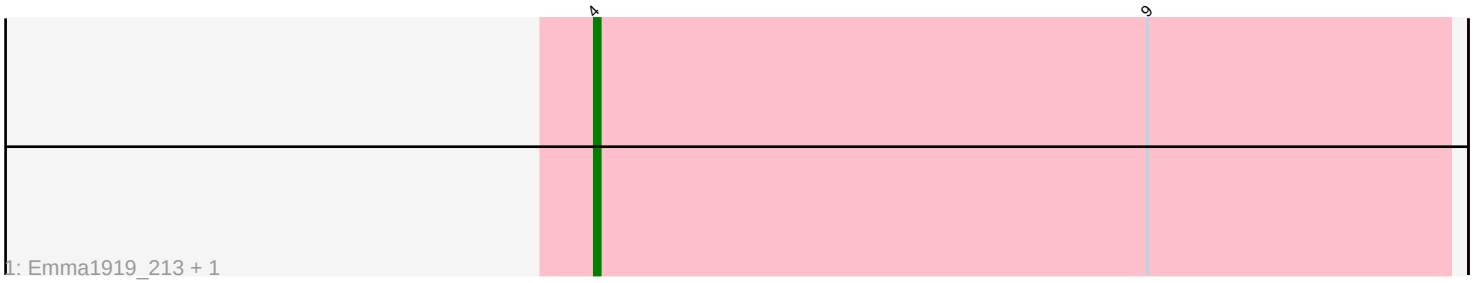
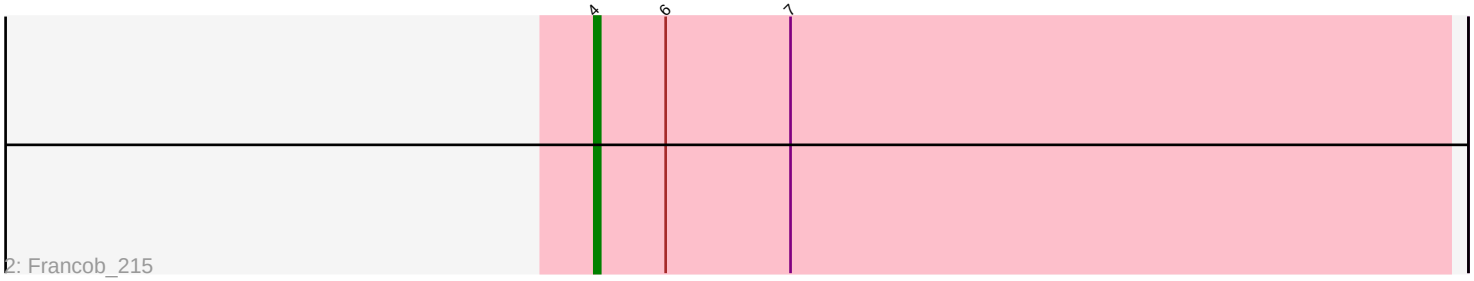
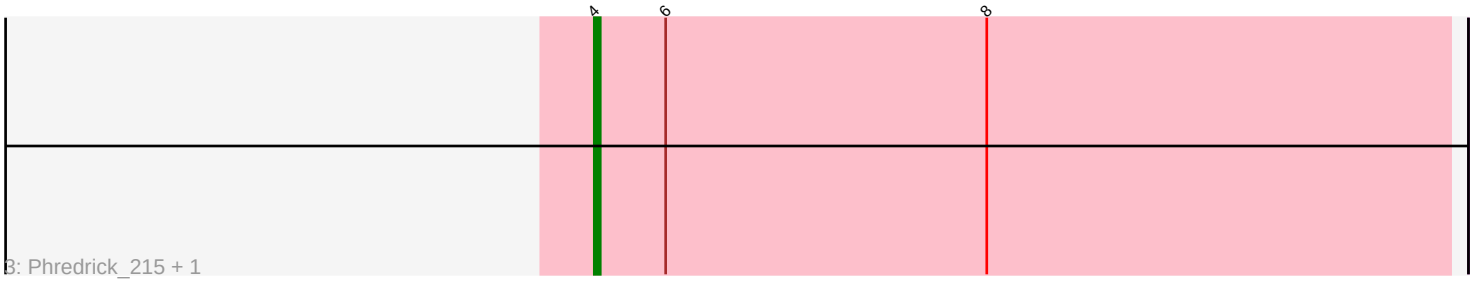
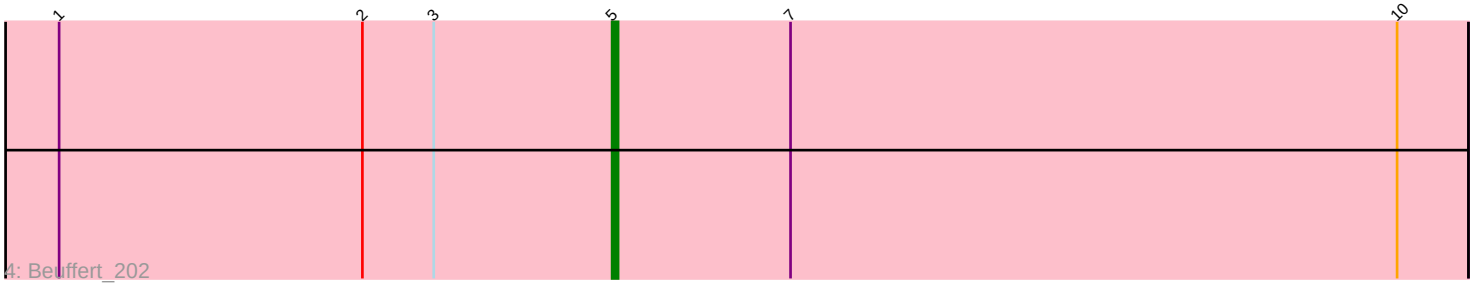
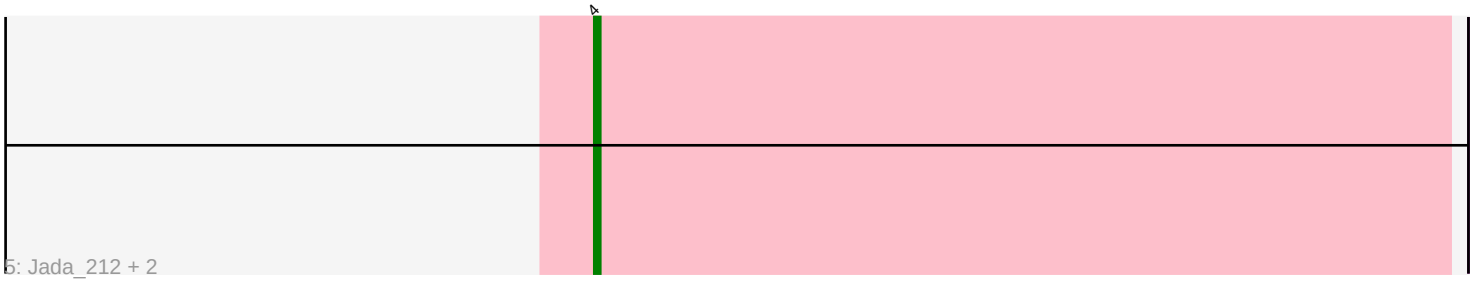
Pham 7859


4
9
1: Emma1919_213 + 1


4
6
7
2: Francob_215


4
6
8
3: Phredrick_215 + 1


1
2
3
5
7
10
4: Beuffert_202


4
5: Jada_212 + 2

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 7859 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7859 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Emma1919_213, Forrest_213
• Track 2 : Francob_215
• Track 3 : Phredrick_215, Kenrey_216
• Track 4 : Beuffert_202
• Track 5 : Jada_212, Gilson_210, MeganTheeKilla_215

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

The start number called the most often in the published annotations is 4, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Emma1919_213, Forrest_213, Francob_215, Gilson_210, Jada_212, Kenrey_216, MeganTheeKilla_215, Phredrick_215,

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

Genes that do not have the "Most Annotated" start:
• Beuffert_202,

Summary by start number:

Start 4:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emma1919_213 (BK1), Forrest_213 (BK1), Francob_215 (BK1), Gilson_210 (BK1), Jada_212 (BK1), Kenrey_216 (BK1), MeganTheeKilla_215 (BK1), Phredrick_215 (BK1),

Start 5:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beuffert_202 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 4 was manually annotated 8 times for cluster BK1.
•Start number 5 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Beuffert_202 Start: 103278, Stop: 103421, Start Num: 5
Candidate Starts for Beuffert_202:
(1, 103185), (2, 103236), (3, 103248), (Start: 5 @103278 has 1 MA's), (7, 103308), (10, 103410),

Gene: Emma1919_213 Start: 104114, Stop: 104257, Start Num: 4
Candidate Starts for Emma1919_213:
(Start: 4 @104114 has 8 MA's), (9, 104207),

Gene: Forrest_213 Start: 105080, Stop: 105223, Start Num: 4
Candidate Starts for Forrest_213:
(Start: 4 @105080 has 8 MA's), (9, 105173),

Gene: Francob_215 Start: 105125, Stop: 105268, Start Num: 4
Candidate Starts for Francob_215:
(Start: 4 @105125 has 8 MA's), (6, 105137), (7, 105158),

Gene: Gilson_210 Start: 103637, Stop: 103780, Start Num: 4
Candidate Starts for Gilson_210:
(Start: 4 @103637 has 8 MA's),

Gene: Jada_212 Start: 104313, Stop: 104456, Start Num: 4
Candidate Starts for Jada_212:
(Start: 4 @104313 has 8 MA's),

Gene: Kenrey_216 Start: 104857, Stop: 105000, Start Num: 4
Candidate Starts for Kenrey_216:
(Start: 4 @104857 has 8 MA's), (6, 104869), (8, 104923),

Gene: MeganTheeKilla_215 Start: 104511, Stop: 104654, Start Num: 4
Candidate Starts for MeganTheeKilla_215:
(Start: 4 @104511 has 8 MA's),

Gene: Phredrick_215 Start: 103910, Stop: 104053, Start Num: 4
Candidate Starts for Phredrick_215:
(Start: 4 @103910 has 8 MA's), (6, 103922), (8, 103976),