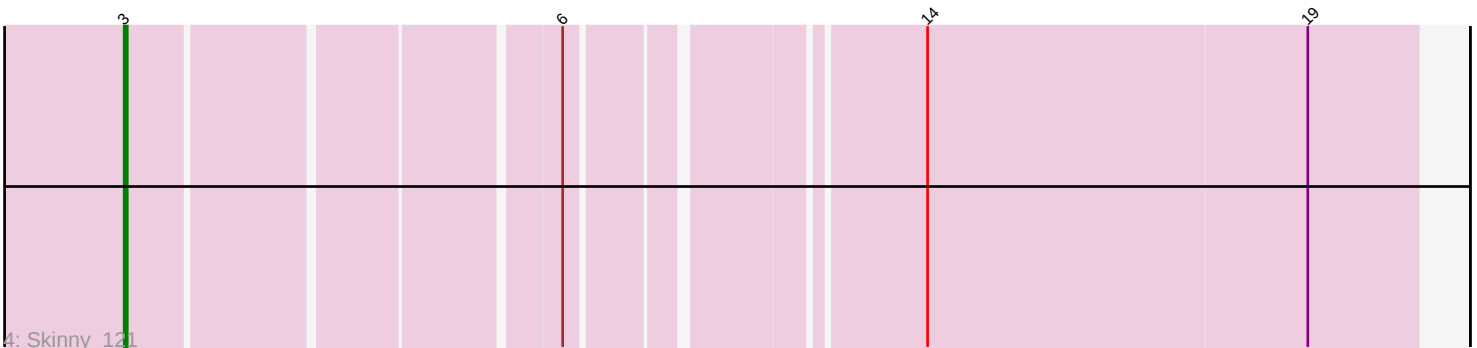
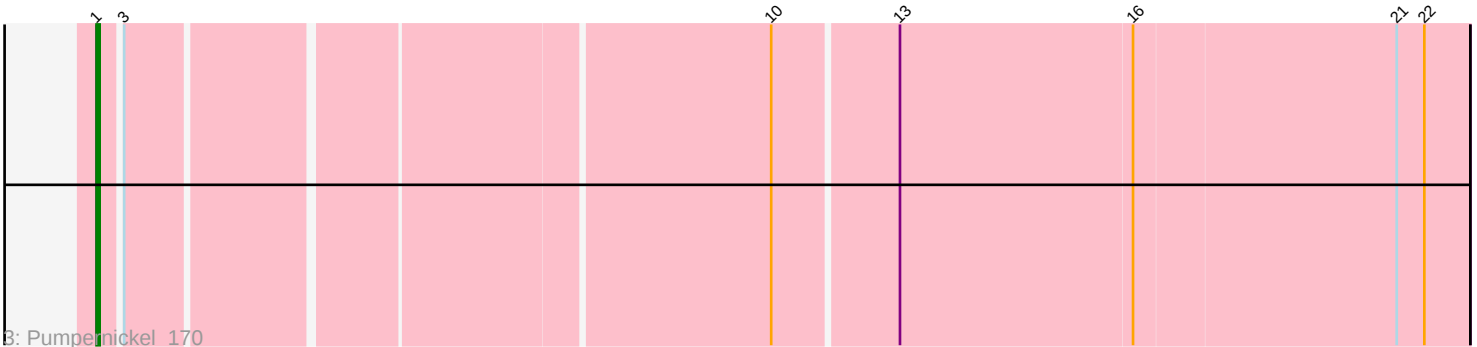
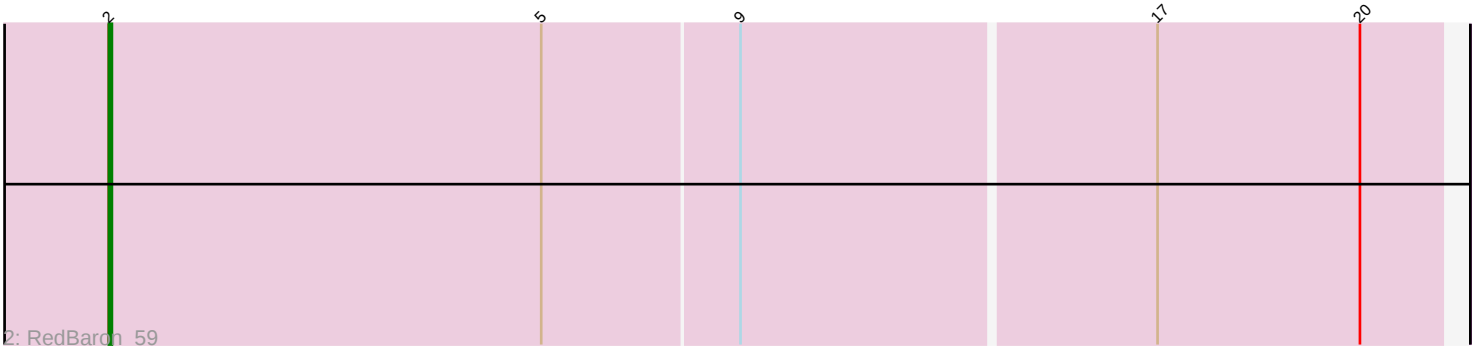
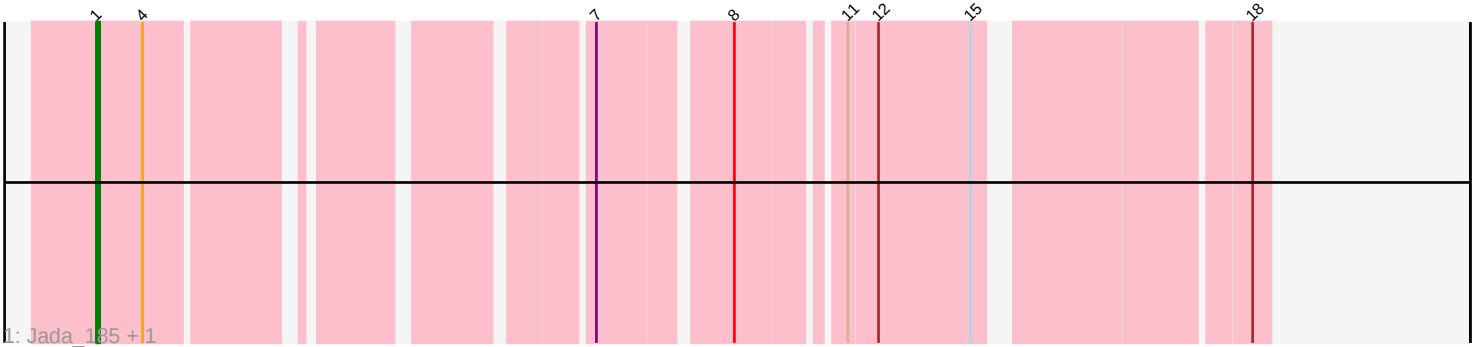


Pham 331700



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 331700 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331700 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Jada_185, Forrest_188
- Track 2 : RedBaron_59
- Track 3 : Pumpernickel_170
- Track 4 : Skinny_121

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

The start number called the most often in the published annotations is 1, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Forrest_188, Jada_185, Pumpernickel_170,

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

-

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

- RedBaron_59, Skinny_121,

Summary by start number:

Start 1:

- Found in 3 of 5 (60.0%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Forrest_188 (BK1), Jada_185 (BK1), Pumpernickel_170 (GD4),

Start 2:

- Found in 1 of 5 (20.0%) 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: RedBaron_59 (CT),

Start 3:

- Found in 2 of 5 (40.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Skinny_121 (M1),

Summary by clusters:

There are 4 clusters represented in this pham: M1, GD4, BK1, CT,

Info for manual annotations of cluster BK1:

- Start number 1 was manually annotated 2 times for cluster BK1.

Info for manual annotations of cluster CT:

- Start number 2 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster GD4:

- Start number 1 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster M1:

- Start number 3 was manually annotated 1 time for cluster M1.

Gene Information:

Gene: Forrest_188 Start: 97045, Stop: 97371, Start Num: 1

Candidate Starts for Forrest_188:

(Start: 1 @97045 has 3 MA's), (4, 97060), (7, 97180), (8, 97219), (11, 97249), (12, 97258), (15, 97288), (18, 97366),

Gene: Jada_185 Start: 95738, Stop: 96064, Start Num: 1

Candidate Starts for Jada_185:

(Start: 1 @95738 has 3 MA's), (4, 95753), (7, 95873), (8, 95912), (11, 95942), (12, 95951), (15, 95981), (18, 96059),

Gene: Pumpernickel_170 Start: 98234, Stop: 98659, Start Num: 1

Candidate Starts for Pumpernickel_170:

(Start: 1 @98234 has 3 MA's), (Start: 3 @98240 has 1 MA's), (10, 98438), (13, 98477), (16, 98552), (21, 98636), (22, 98645),

Gene: RedBaron_59 Start: 39804, Stop: 39376, Start Num: 2

Candidate Starts for RedBaron_59:

(Start: 2 @39804 has 1 MA's), (5, 39663), (9, 39600), (17, 39468), (20, 39402),

Gene: Skinny_121 Start: 63560, Stop: 63949, Start Num: 3

Candidate Starts for Skinny_121:

(Start: 3 @63560 has 1 MA's), (6, 63689), (14, 63791), (19, 63914),