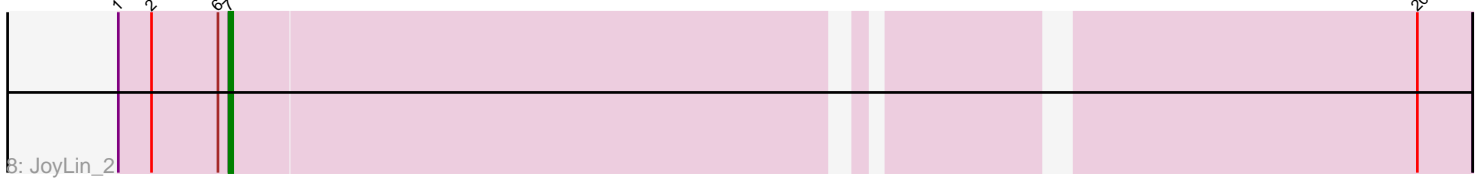
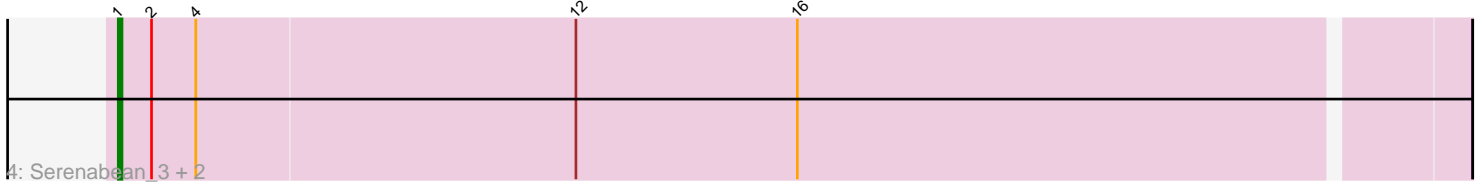
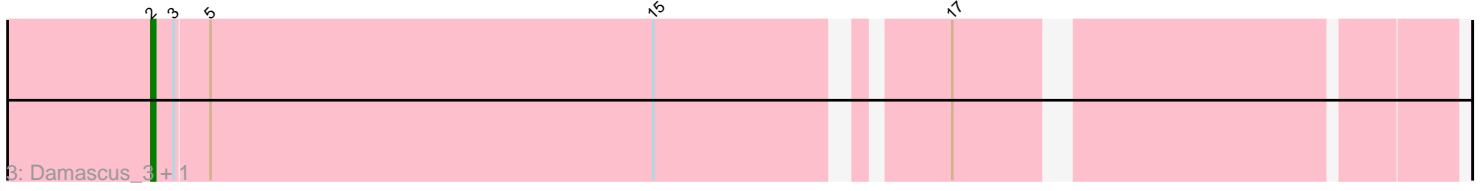
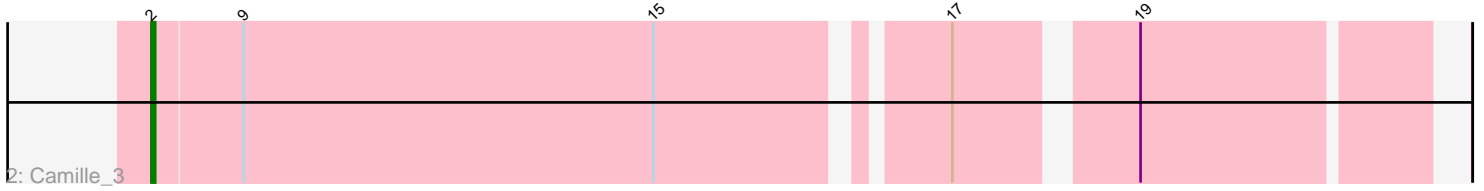
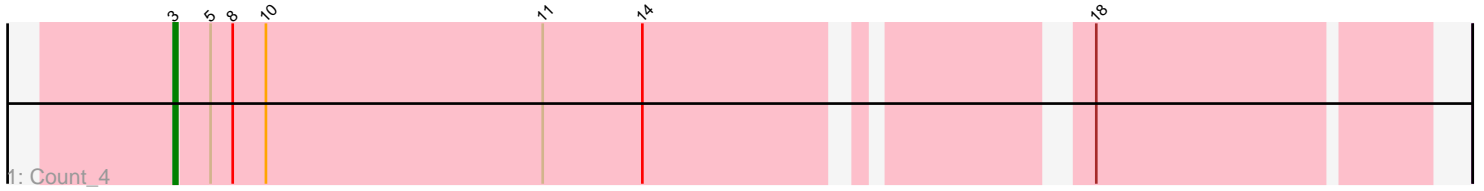


Pham 216724



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 216724 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216724 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Count_4
- Track 2 : Camille_3
- Track 3 : Damascus_3, DizzyRudy_3
- Track 4 : Serenabean_3, AddiRose_3, Daddyjeff_3
- Track 5 : Eevee_2, Yotsuba_2
- Track 6 : Sweetclover_3
- Track 7 : Pippin15_2
- Track 8 : JoyLin_2

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Camille_3, Damascus_3, DizzyRudy_3, Eevee_2, Pippin15_2, Sweetclover_3, Yotsuba_2,

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

- AddiRose_3, Daddyjeff_3, JoyLin_2, Serenabean_3,

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

- Count_4,

Summary by start number:

Start 1:

- Found in 6 of 12 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 11
- Called 50.0% of time when present
- Phage (with cluster) where this start called: AddiRose_3 (JA), Daddyjeff_3 (JA), Serenabean_3 (JA),

Start 2:

- Found in 11 of 12 (91.7%) of genes in pham
- Manual Annotations of this start: 6 of 11
- Called 63.6% of time when present
- Phage (with cluster) where this start called: Camille_3 (EL), Damascus_3 (EL), DizzyRudy_3 (EL), Eevee_2 (JA), Pippin15_2 (JA), Sweetclover_3 (JA), Yotsuba_2 (JA),

Start 3:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Count_4 (EL),

Start 7:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 33.3% of time when present
- Phage (with cluster) where this start called: JoyLin_2 (JA),

Summary by clusters:

There are 2 clusters represented in this pham: EL, JA,

Info for manual annotations of cluster EL:

- Start number 2 was manually annotated 3 times for cluster EL.
- Start number 3 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster JA:

- Start number 1 was manually annotated 3 times for cluster JA.
- Start number 2 was manually annotated 3 times for cluster JA.
- Start number 7 was manually annotated 1 time for cluster JA.

Gene Information:

Gene: AddiRose_3 Start: 1393, Stop: 1752, Start Num: 1

Candidate Starts for AddiRose_3:

(Start: 1 @1393 has 3 MA's), (Start: 2 @1402 has 6 MA's), (4, 1414), (12, 1516), (16, 1576),

Gene: Camille_3 Start: 1182, Stop: 1502, Start Num: 2

Candidate Starts for Camille_3:

(Start: 2 @1182 has 6 MA's), (9, 1206), (15, 1317), (17, 1386), (19, 1428),

Gene: Count_4 Start: 1530, Stop: 1844, Start Num: 3

Candidate Starts for Count_4:

(Start: 3 @1530 has 1 MA's), (5, 1539), (8, 1545), (10, 1554), (11, 1629), (14, 1656), (18, 1758),

Gene: Daddyjeff_3 Start: 1392, Stop: 1751, Start Num: 1

Candidate Starts for Daddyjeff_3:

(Start: 1 @1392 has 3 MA's), (Start: 2 @1401 has 6 MA's), (4, 1413), (12, 1515), (16, 1575),

Gene: Damascus_3 Start: 1159, Stop: 1485, Start Num: 2

Candidate Starts for Damascus_3:

(Start: 2 @1159 has 6 MA's), (Start: 3 @1165 has 1 MA's), (5, 1174), (15, 1294), (17, 1363),

Gene: DizzyRudy_3 Start: 1159, Stop: 1485, Start Num: 2

Candidate Starts for DizzyRudy_3:

(Start: 2 @1159 has 6 MA's), (Start: 3 @1165 has 1 MA's), (5, 1174), (15, 1294), (17, 1363),

Gene: Eevee_2 Start: 964, Stop: 1299, Start Num: 2

Candidate Starts for Eevee_2:

(Start: 1 @955 has 3 MA's), (Start: 2 @964 has 6 MA's), (6, 982), (Start: 7 @985 has 1 MA's), (20, 1285),

Gene: JoyLin_2 Start: 985, Stop: 1299, Start Num: 7

Candidate Starts for JoyLin_2:

(Start: 1 @955 has 3 MA's), (Start: 2 @964 has 6 MA's), (6, 982), (Start: 7 @985 has 1 MA's), (20, 1285),

Gene: Pippin15_2 Start: 982, Stop: 1317, Start Num: 2

Candidate Starts for Pippin15_2:

(Start: 2 @982 has 6 MA's), (4, 994), (20, 1303),

Gene: Serenabean_3 Start: 1392, Stop: 1751, Start Num: 1

Candidate Starts for Serenabean_3:

(Start: 1 @1392 has 3 MA's), (Start: 2 @1401 has 6 MA's), (4, 1413), (12, 1515), (16, 1575),

Gene: Sweetclover_3 Start: 1388, Stop: 1738, Start Num: 2

Candidate Starts for Sweetclover_3:

(Start: 2 @1388 has 6 MA's), (13, 1511),

Gene: Yotsuba_2 Start: 964, Stop: 1299, Start Num: 2

Candidate Starts for Yotsuba_2:

(Start: 1 @955 has 3 MA's), (Start: 2 @964 has 6 MA's), (6, 982), (Start: 7 @985 has 1 MA's), (20, 1285),