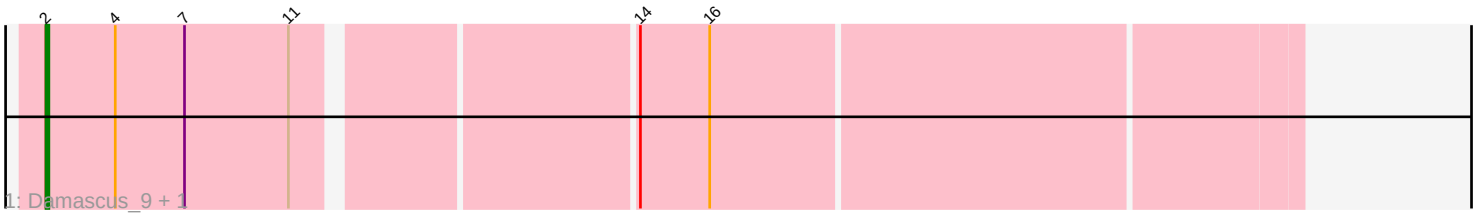
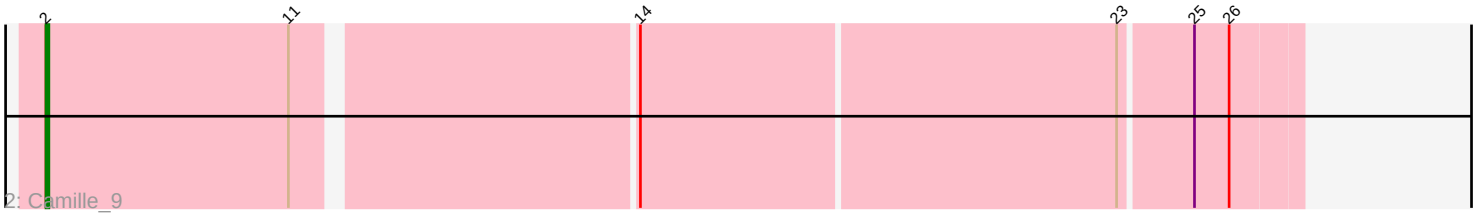
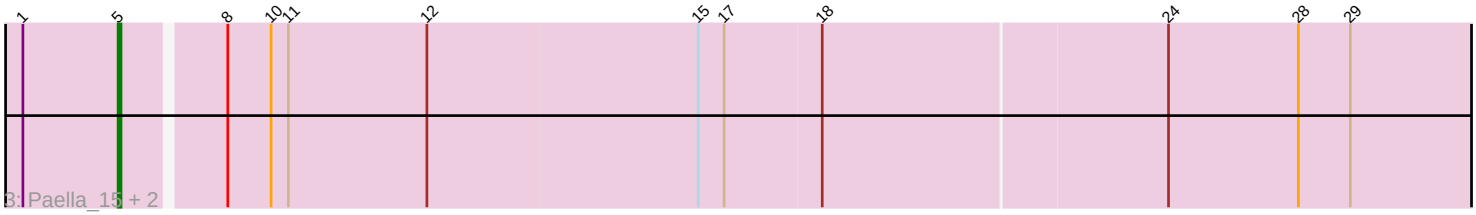
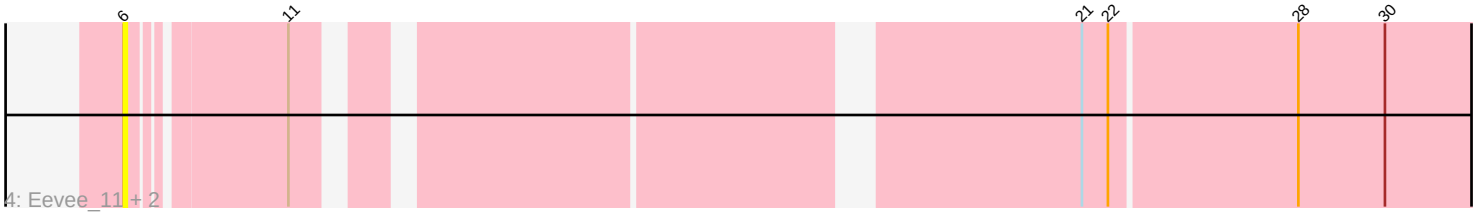
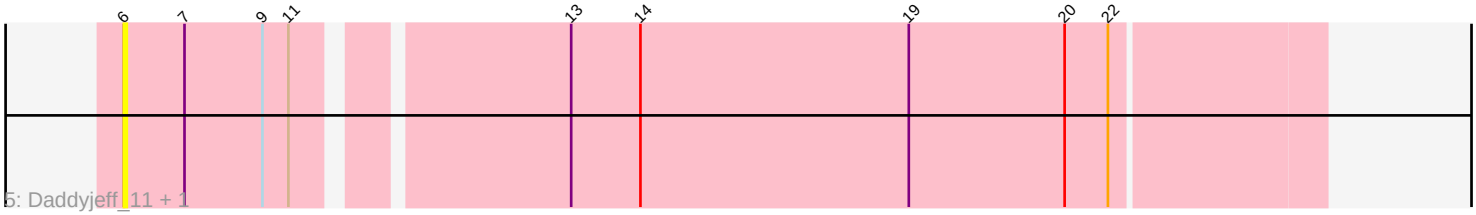
Pham 196968

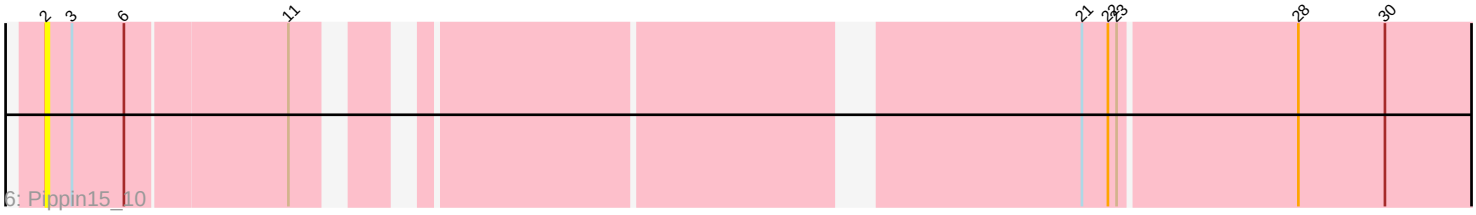

2
4
7
11
14
16
1: Damascus_9 + 1

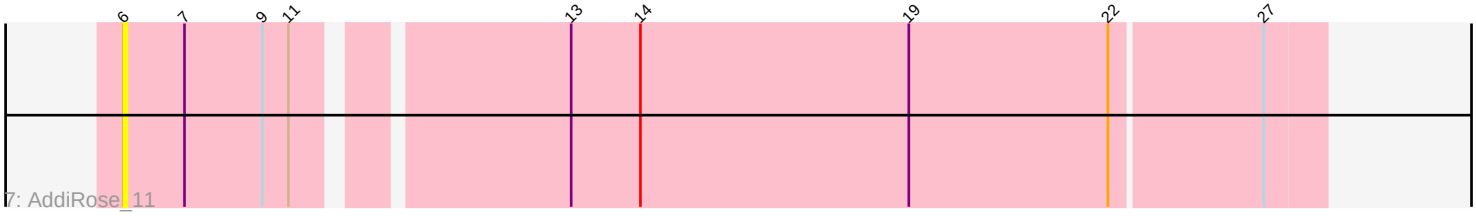

2
11
14
23
25
26
2: Camille_9


1
5
8
10
11
12
15
17
18
24
28
29
3: Paella_13 + 2


6
11
21
22
28
30
4: Eevee_11 + 2


6
7
9
11
13
14
19
20
22
5: Daddyjeff_11 + 1


2
3
6
11
21
22
23
28
30
6: Pippin15_10


6
7
9
11
13
14
19
22
27
7: AddiRose_11

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 196968 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196968 has 13 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Damascus_9, DizzyRudy_9
• Track 2 : Camille_9
• Track 3 : Paella_15, Elver_14, Qui_15
• Track 4 : Eevee_11, Yotsuba_11, JoyLin_11
• Track 5 : Daddyjeff_11, Serenabean_11
• Track 6 : Pippin15_10
• Track 7 : AddiRose_11

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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Camille_9, Damascus_9, DizzyRudy_9, Pippin15_10,

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

Genes that do not have the "Most Annotated" start:
• AddiRose_11, Daddyjeff_11, Eevee_11, Elver_14, JoyLin_11, Paella_15, Qui_15, Serenabean_11, Yotsuba_11,

Summary by start number:

Start 2:
• Found in 4 of 13 (30.8%) 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: Camille_9 (EL), Damascus_9 (EL), DizzyRudy_9 (EL), Pippin15_10 (JA),

Start 5:
• Found in 3 of 13 (23.1%) of genes in pham

• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elver_14 (FK), Paella_15 (FK), Qui_15 (FK),

Start 6:
• Found in 7 of 13 (53.8%) of genes in pham
• No Manual Annotations of this start.
• Called 85.7% of time when present
• Phage (with cluster) where this start called: AddiRose_11 (JA), Daddyjeff_11 (JA), Eevee_11 (JA), JoyLin_11 (JA), Serenabean_11 (JA), Yotsuba_11 (JA),

Summary by clusters:

There are 3 clusters represented in this pham: EL, FK, JA,

Info for manual annotations of cluster EL:
•Start number 2 was manually annotated 3 times for cluster EL.

Info for manual annotations of cluster FK:
•Start number 5 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: AddiRose_11 Start: 7020, Stop: 7418, Start Num: 6
Candidate Starts for AddiRose_11:
(6, 7020), (7, 7041), (9, 7068), (11, 7077), (13, 7161), (14, 7185), (19, 7278), (22, 7347), (27, 7398),

Gene: Camille_9 Start: 3443, Stop: 3859, Start Num: 2
Candidate Starts for Camille_9:
(Start: 2 @3443 has 3 MA's), (11, 3527), (14, 3638), (23, 3800), (25, 3824), (26, 3836),

Gene: Daddyjeff_11 Start: 7019, Stop: 7417, Start Num: 6
Candidate Starts for Daddyjeff_11:
(6, 7019), (7, 7040), (9, 7067), (11, 7076), (13, 7160), (14, 7184), (19, 7277), (20, 7331), (22, 7346),

Gene: Damascus_9 Start: 3418, Stop: 3831, Start Num: 2
Candidate Starts for Damascus_9:
(Start: 2 @3418 has 3 MA's), (4, 3442), (7, 3466), (11, 3502), (14, 3610), (16, 3634),

Gene: DizzyRudy_9 Start: 3416, Stop: 3829, Start Num: 2
Candidate Starts for DizzyRudy_9:
(Start: 2 @3416 has 3 MA's), (4, 3440), (7, 3464), (11, 3500), (14, 3608), (16, 3632),

Gene: Eevee_11 Start: 8231, Stop: 8647, Start Num: 6
Candidate Starts for Eevee_11:
(6, 8231), (11, 8279), (21, 8516), (22, 8525), (28, 8588), (30, 8618),

Gene: Elver_14 Start: 7089, Stop: 7571, Start Num: 5
Candidate Starts for Elver_14:

(1, 7056), (Start: 5 @7089 has 2 MA's), (8, 7122), (10, 7137), (11, 7143), (12, 7191), (15, 7284), (17, 7293), (18, 7326), (24, 7443), (28, 7488), (29, 7506),

Gene: JoyLin_11 Start: 8231, Stop: 8647, Start Num: 6
Candidate Starts for JoyLin_11:
(6, 8231), (11, 8279), (21, 8516), (22, 8525), (28, 8588), (30, 8618),

Gene: Paella_15 Start: 7088, Stop: 7570, Start Num: 5
Candidate Starts for Paella_15:
(1, 7055), (Start: 5 @7088 has 2 MA's), (8, 7121), (10, 7136), (11, 7142), (12, 7190), (15, 7283), (17, 7292), (18, 7325), (24, 7442), (28, 7487), (29, 7505),

Gene: Pippin15_10 Start: 6517, Stop: 6963, Start Num: 2
Candidate Starts for Pippin15_10:
(Start: 2 @6517 has 3 MA's), (3, 6526), (6, 6544), (11, 6598), (21, 6832), (22, 6841), (23, 6844), (28, 6904), (30, 6934),

Gene: Qui_15 Start: 7088, Stop: 7570, Start Num: 5
Candidate Starts for Qui_15:
(1, 7055), (Start: 5 @7088 has 2 MA's), (8, 7121), (10, 7136), (11, 7142), (12, 7190), (15, 7283), (17, 7292), (18, 7325), (24, 7442), (28, 7487), (29, 7505),

Gene: Serenabean_11 Start: 7019, Stop: 7417, Start Num: 6
Candidate Starts for Serenabean_11:
(6, 7019), (7, 7040), (9, 7067), (11, 7076), (13, 7160), (14, 7184), (19, 7277), (20, 7331), (22, 7346),

Gene: Yotsuba_11 Start: 8231, Stop: 8647, Start Num: 6
Candidate Starts for Yotsuba_11:
(6, 8231), (11, 8279), (21, 8516), (22, 8525), (28, 8588), (30, 8618),