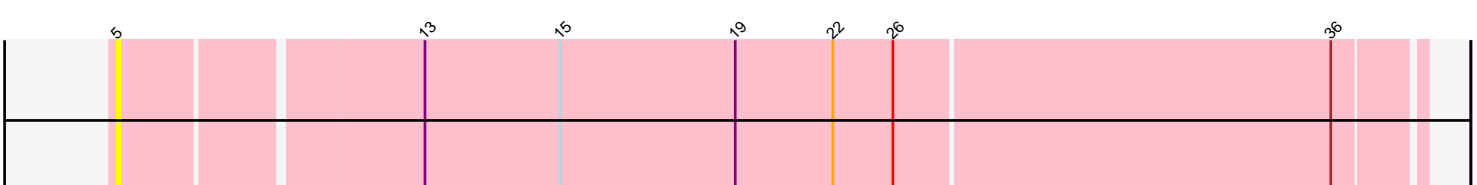
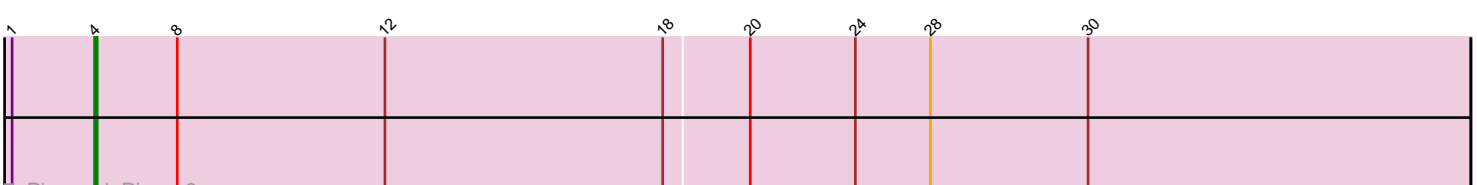
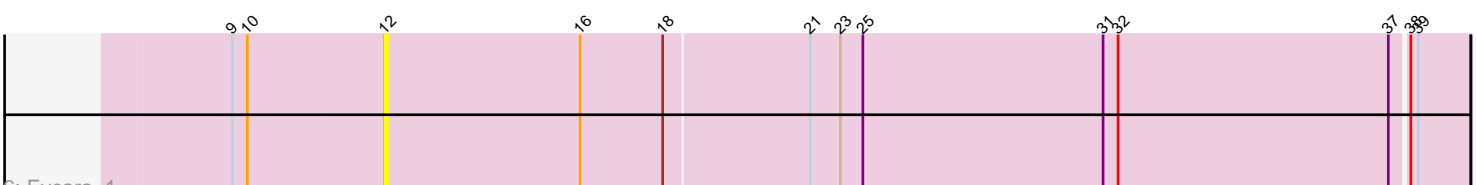
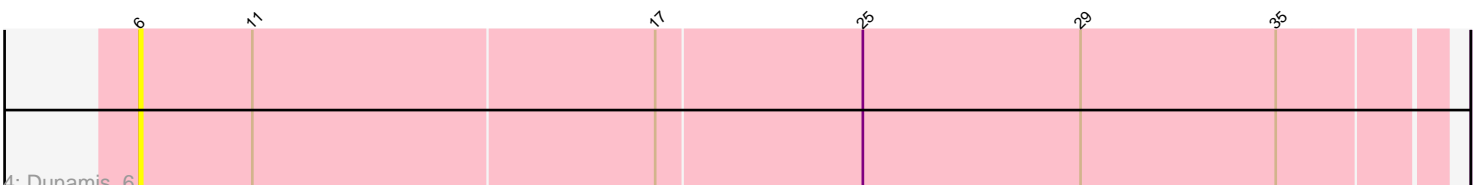
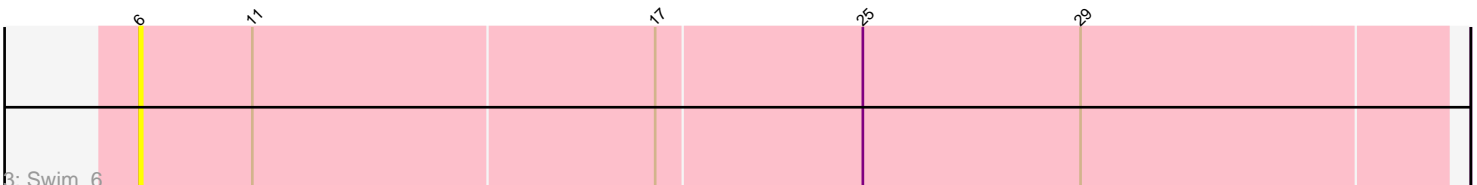
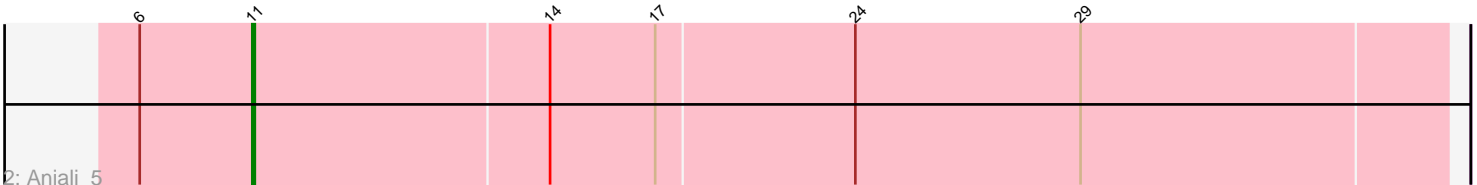
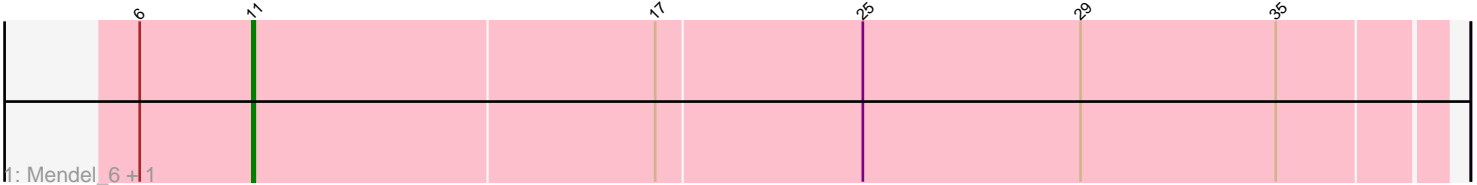


Pham 88508



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 88508 Report

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

Pham number 88508 has 9 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Mendel_6, Tillums_7
- Track 2 : Anjali_5
- Track 3 : Swim_6
- Track 4 : Dunamis_6
- Track 5 : Curie_1
- Track 6 : Evcara_1
- Track 7 : PineapplePizza_3
- Track 8 : Thatch_2

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

The start number called the most often in the published annotations is 11, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anjali_5, Mendel_6, Tillums_7,

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

- Dunamis_6, Swim_6,

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

- Curie_1, Evcara_1, PineapplePizza_3, Thatch_2,

Summary by start number:

Start 3:

- Found in 1 of 9 (11.1%) 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: Curie_1 (GI),

Start 4:

- Found in 1 of 9 (11.1%) 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: PineapplePizza_3 (GI),

Start 5:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Thatch_2 (UNK),

Start 6:

- Found in 5 of 9 (55.6%) of genes in pham
- No Manual Annotations of this start.
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Dunamis_6 (FD), Swim_6 (FD),

Start 11:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Anjali_5 (FD), Mendel_6 (FD), Tillums_7 (FD),

Start 12:

- Found in 3 of 9 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Evcara_1 (GI),

Summary by clusters:

There are 3 clusters represented in this pham: UNK, FD, GI,

Info for manual annotations of cluster FD:

- Start number 11 was manually annotated 3 times for cluster FD.

Info for manual annotations of cluster GI:

- Start number 3 was manually annotated 1 time for cluster GI.
- Start number 4 was manually annotated 1 time for cluster GI.

Gene Information:

Gene: Anjali_5 Start: 1483, Stop: 1953, Start Num: 11

Candidate Starts for Anjali_5:

(6, 1438), (Start: 11 @1483 has 3 MA's), (14, 1600), (17, 1642), (24, 1720), (29, 1810),

Gene: Curie_1 Start: 421, Stop: 978, Start Num: 3

Candidate Starts for Curie_1:

(2, 409), (Start: 3 @421 has 1 MA's), (7, 454), (12, 547), (18, 658), (27, 757), (33, 859), (34, 898),

Gene: Dunamis_6 Start: 1455, Stop: 1967, Start Num: 6

Candidate Starts for Dunamis_6:

(6, 1455), (Start: 11 @1500 has 3 MA's), (17, 1659), (25, 1740), (29, 1827), (35, 1905),

Gene: Evcara_1 Start: 539, Stop: 967, Start Num: 12

Candidate Starts for Evcara_1:

(9, 479), (10, 485), (12, 539), (16, 617), (18, 650), (21, 707), (23, 719), (25, 728), (31, 824), (32, 830), (37, 938), (38, 944), (39, 947),

Gene: Mendel_6 Start: 1407, Stop: 1874, Start Num: 11

Candidate Starts for Mendel_6:

(6, 1362), (Start: 11 @1407 has 3 MA's), (17, 1566), (25, 1647), (29, 1734), (35, 1812),

Gene: PineapplePizza_3 Start: 1180, Stop: 1725, Start Num: 4

Candidate Starts for PineapplePizza_3:

(1, 1147), (Start: 4 @1180 has 1 MA's), (8, 1213), (12, 1294), (18, 1405), (20, 1438), (24, 1480), (28, 1510), (30, 1573),

Gene: Swim_6 Start: 1834, Stop: 2349, Start Num: 6

Candidate Starts for Swim_6:

(6, 1834), (Start: 11 @1879 has 3 MA's), (17, 2038), (25, 2119), (29, 2206),

Gene: Thatch_2 Start: 723, Stop: 1226, Start Num: 5

Candidate Starts for Thatch_2:

(5, 723), (13, 837), (15, 891), (19, 960), (22, 999), (26, 1023), (36, 1194),

Gene: Tillums_7 Start: 1944, Stop: 2411, Start Num: 11

Candidate Starts for Tillums_7:

(6, 1899), (Start: 11 @1944 has 3 MA's), (17, 2103), (25, 2184), (29, 2271), (35, 2349),