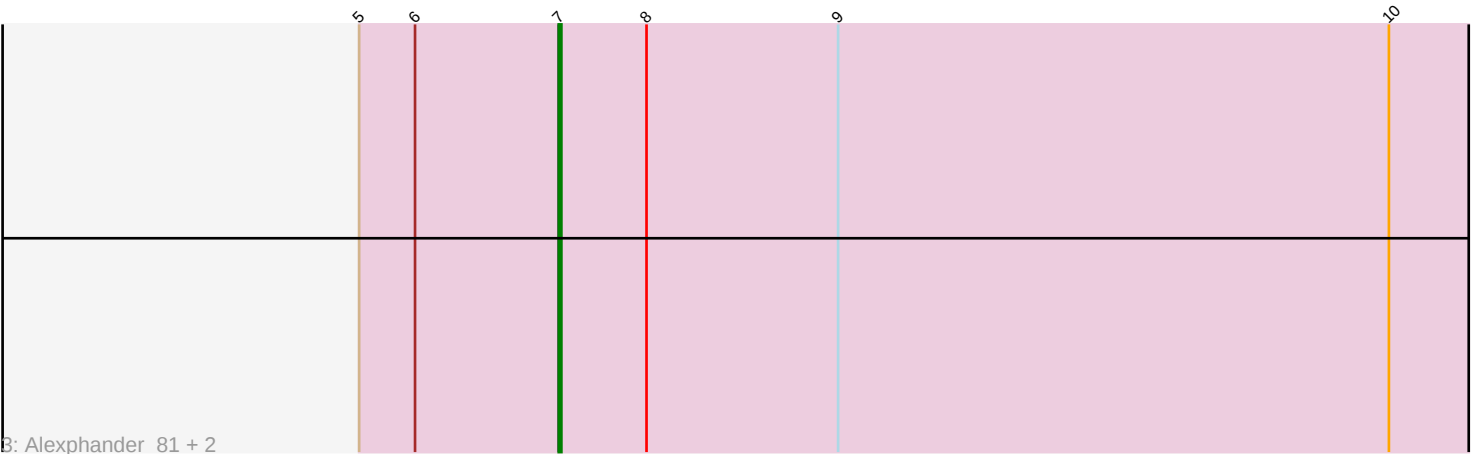
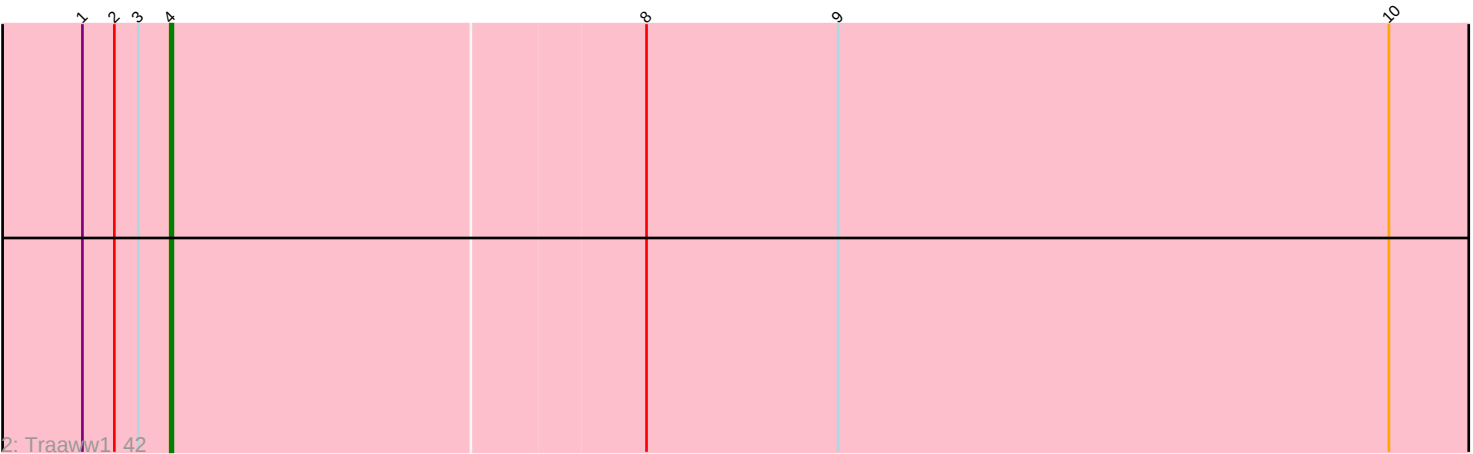
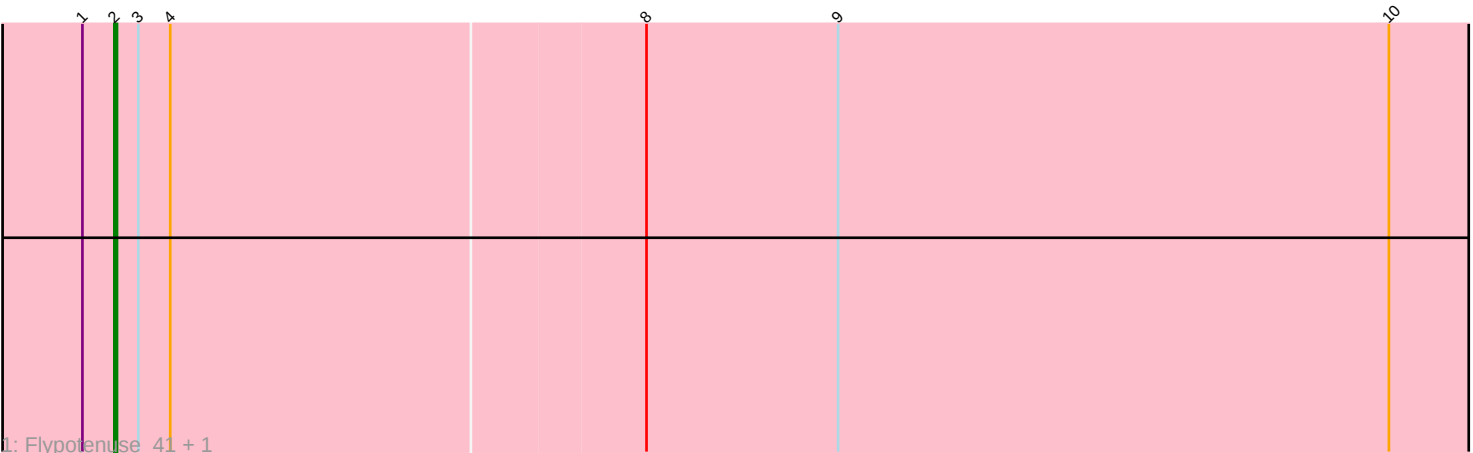




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 284578 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284578 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Flypotenuse_41, Glexan_44
- Track 2 : Traaww1_42
- Track 3 : Alexphander_81, GUmbie_75, RockyHorror_82

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alexphander_81, GUmbie_75, RockyHorror_82,

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

-

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

- Flypotenuse_41, Glexan_44, Traaww1_42,

Summary by start number:

Start 2:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Flypotenuse_41 (E), Glexan_44 (E),

Start 4:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Traaww1_42 (E),

Start 7:

- Found in 3 of 6 (50.0%) of genes in pham

- Manual Annotations of this start: 3 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alexphander_81 (F1), GUmble_75 (F1), RockyHorror_82 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, E,

Info for manual annotations of cluster E:

- Start number 2 was manually annotated 2 times for cluster E.
- Start number 4 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster F1:

- Start number 7 was manually annotated 3 times for cluster F1.

Gene Information:

Gene: Alexphander_81 Start: 49209, Stop: 49616, Start Num: 7

Candidate Starts for Alexphander_81:

(5, 49134), (6, 49155), (Start: 7 @49209 has 3 MA's), (8, 49242), (9, 49314), (10, 49521),

Gene: Flypotenuse_41 Start: 35378, Stop: 34809, Start Num: 2

Candidate Starts for Flypotenuse_41:

(1, 35390), (Start: 2 @35378 has 2 MA's), (3, 35369), (Start: 4 @35357 has 1 MA's), (8, 35183), (9, 35111), (10, 34904),

Gene: GUmble_75 Start: 47968, Stop: 48375, Start Num: 7

Candidate Starts for GUmble_75:

(5, 47893), (6, 47914), (Start: 7 @47968 has 3 MA's), (8, 48001), (9, 48073), (10, 48280),

Gene: Glexan_44 Start: 36505, Stop: 35936, Start Num: 2

Candidate Starts for Glexan_44:

(1, 36517), (Start: 2 @36505 has 2 MA's), (3, 36496), (Start: 4 @36484 has 1 MA's), (8, 36310), (9, 36238), (10, 36031),

Gene: RockyHorror_82 Start: 47978, Stop: 48385, Start Num: 7

Candidate Starts for RockyHorror_82:

(5, 47903), (6, 47924), (Start: 7 @47978 has 3 MA's), (8, 48011), (9, 48083), (10, 48290),

Gene: Traaww1_42 Start: 35825, Stop: 35277, Start Num: 4

Candidate Starts for Traaww1_42:

(1, 35858), (Start: 2 @35846 has 2 MA's), (3, 35837), (Start: 4 @35825 has 1 MA's), (8, 35651), (9, 35579), (10, 35372),