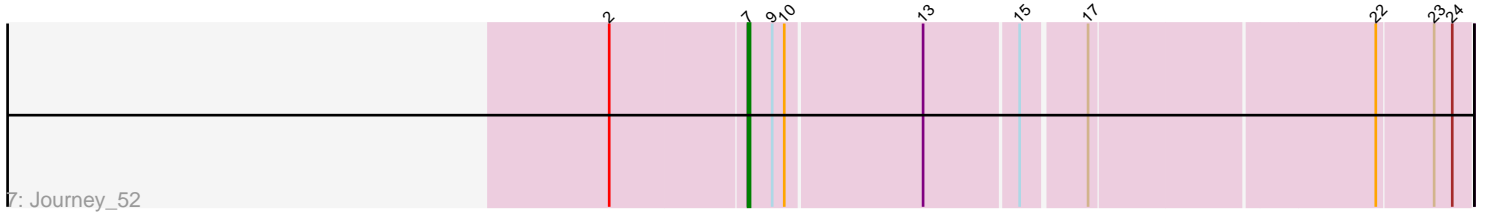
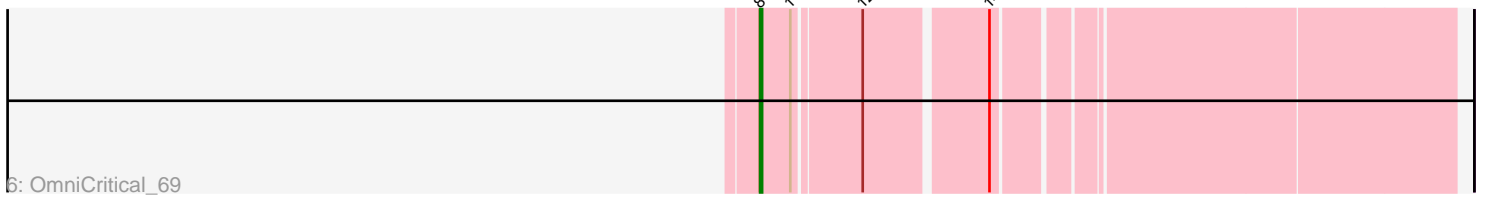
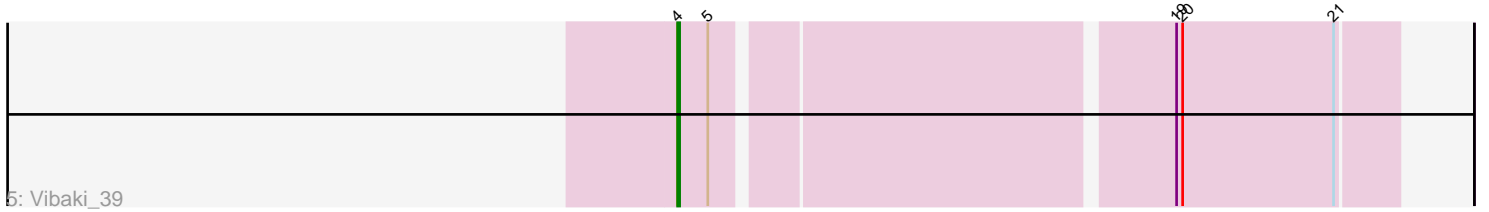
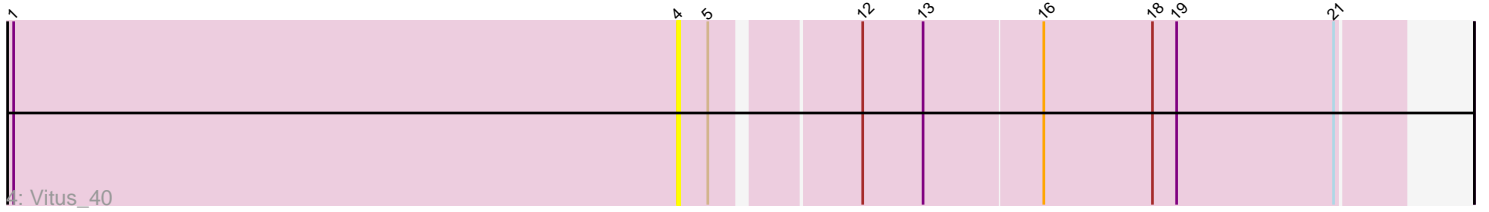
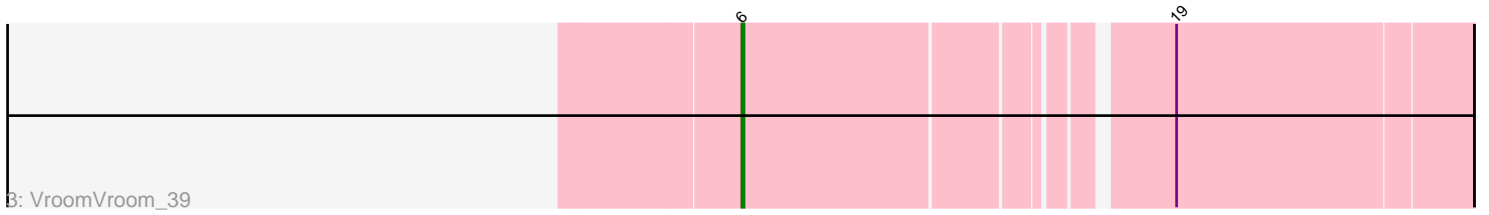
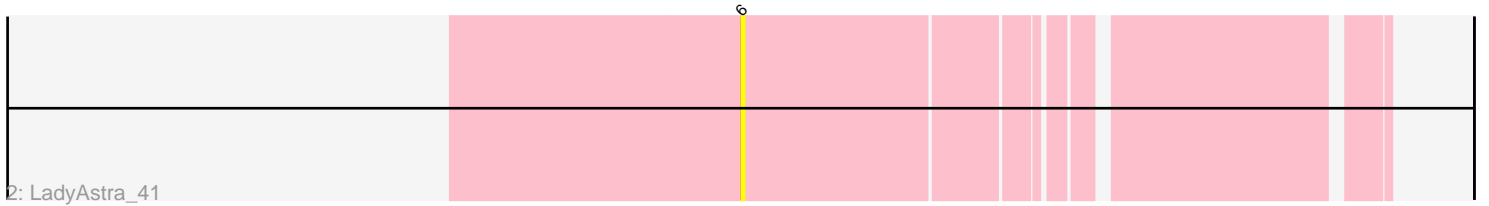
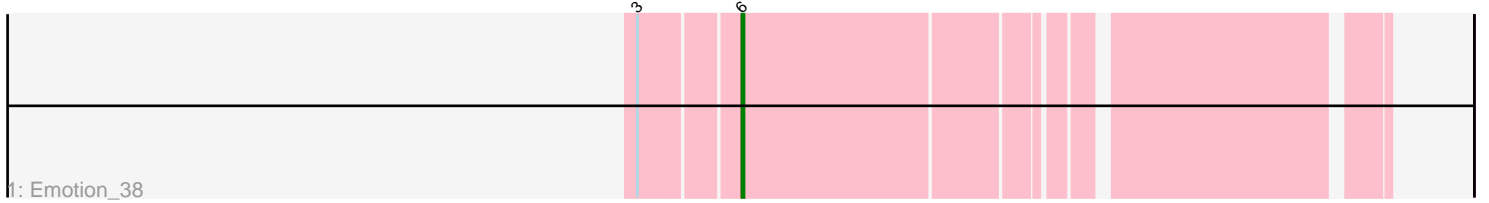


Pham 216891



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 216891 Report

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

Pham number 216891 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Emotion_38
- Track 2 : LadyAstra_41
- Track 3 : VroomVroom_39
- Track 4 : Vitus_40
- Track 5 : Vibaki_39
- Track 6 : OmniCritical_69
- Track 7 : Journey_52

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Emotion_38, LadyAstra_41, VroomVroom_39,

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

-

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

- Journey_52, OmniCritical_69, Vibaki_39, Vitus_40,

Summary by start number:

Start 4:

- Found in 2 of 7 (28.6%) 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: Vibaki_39 (FL), Vitus_40 (FL),

Start 6:

- Found in 3 of 7 (42.9%) 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: Emotion_38 (AZ4), LadyAstra_41 (AZ4), VroomVroom_39 (AZ4),

Start 7:

- Found in 1 of 7 (14.3%) 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: Journey_52 (N),

Start 8:

- Found in 1 of 7 (14.3%) 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: OmniCritical_69 (K4),

Summary by clusters:

There are 4 clusters represented in this pham: AZ4, N, FL, K4,

Info for manual annotations of cluster AZ4:

- Start number 6 was manually annotated 2 times for cluster AZ4.

Info for manual annotations of cluster FL:

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

Info for manual annotations of cluster K4:

- Start number 8 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster N:

- Start number 7 was manually annotated 1 time for cluster N.

Gene Information:

Gene: Emotion_38 Start: 26311, Stop: 26598, Start Num: 6

Candidate Starts for Emotion_38:

(3, 26266), (Start: 6 @26311 has 2 MA's),

Gene: Journey_52 Start: 34954, Stop: 35292, Start Num: 7

Candidate Starts for Journey_52:

(2, 34888), (Start: 7 @34954 has 1 MA's), (9, 34966), (10, 34972), (13, 35038), (15, 35083), (17, 35113), (22, 35248), (23, 35275), (24, 35284),

Gene: LadyAstra_41 Start: 26498, Stop: 26785, Start Num: 6

Candidate Starts for LadyAstra_41:

(Start: 6 @26498 has 2 MA's),

Gene: OmniCritical_69 Start: 43407, Stop: 43721, Start Num: 8

Candidate Starts for OmniCritical_69:

(Start: 8 @43407 has 1 MA's), (11, 43422), (12, 43452), (14, 43509),

Gene: Vibaki_39 Start: 33279, Stop: 33614, Start Num: 4

Candidate Starts for Vibaki_39:

(Start: 4 @33279 has 1 MA's), (5, 33294), (19, 33507), (20, 33510), (21, 33585),

Gene: Vitus_40 Start: 32270, Stop: 32614, Start Num: 4

Candidate Starts for Vitus_40:

(1, 31940), (Start: 4 @32270 has 1 MA's), (5, 32285), (12, 32351), (13, 32381), (16, 32438), (18, 32492), (19, 32504), (21, 32582),

Gene: VroomVroom_39 Start: 26557, Stop: 26892, Start Num: 6

Candidate Starts for VroomVroom_39:

(Start: 6 @26557 has 2 MA's), (19, 26749),