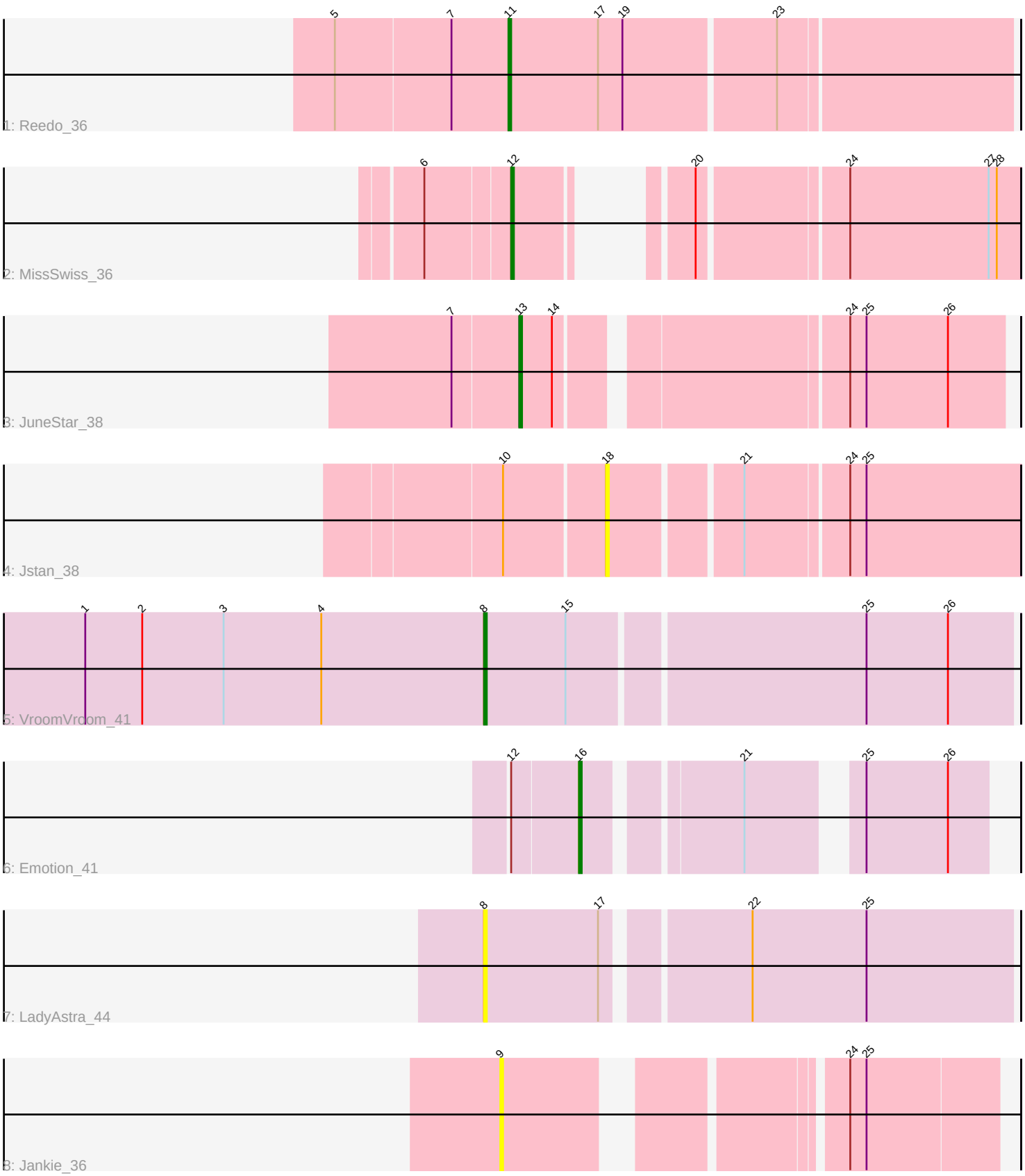
Pham 216833


5
7
11
17
19
23
1: Reedo_36
6
12
20
24
27
28
2: MissSwiss_36
7
13
14
24
25
26
3: JuneStar_38
10
18
21
24
25
4: Jstan_38
1
2
3
4
8
15
25
26
5: VroomVroom_41
12
16
21
25
26
6: Emotion_41
8
17
22
25
7: LadyAstra_44
9
24
25
8: Jankie_36

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 216833 Report

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

Pham number 216833 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Reedo_36
• Track 2 : MissSwiss_36
• Track 3 : JuneStar_38
• Track 4 : Jstan_38
• Track 5 : VroomVroom_41
• Track 6 : Emotion_41
• Track 7 : LadyAstra_44
• Track 8 : Jankie_36

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

The start number called the most often in the published annotations is 13, it was called in 1 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• JuneStar_38,

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

Genes that do not have the "Most Annotated" start:
• Emotion_41, Jankie_36, Jstan_38, LadyAstra_44, MissSwiss_36, Reedo_36, VroomVroom_41,

Summary by start number:

Start 8:
• Found in 2 of 8 (25.0%) 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: LadyAstra_44 (AZ4), VroomVroom_41 (AZ4),

Start 9:

• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jankie_36 (FP),

Start 11:
• Found in 1 of 8 (12.5%) 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: Reedo_36 (AZ1),

Start 12:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MissSwiss_36 (AZ1),

Start 13:
• Found in 1 of 8 (12.5%) 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: JuneStar_38 (AZ1),

Start 16:
• Found in 1 of 8 (12.5%) 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: Emotion_41 (AZ4),

Start 18:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jstan_38 (AZ1),

Summary by clusters:

There are 3 clusters represented in this pham: FP, AZ1, AZ4,

Info for manual annotations of cluster AZ1:
•Start number 11 was manually annotated 1 time for cluster AZ1.
•Start number 12 was manually annotated 1 time for cluster AZ1.
•Start number 13 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster AZ4:
•Start number 8 was manually annotated 1 time for cluster AZ4.
•Start number 16 was manually annotated 1 time for cluster AZ4.

Gene Information:

Gene: Emotion_41 Start: 27364, Stop: 27236, Start Num: 16
Candidate Starts for Emotion_41:
(Start: 12 @27388 has 1 MA's), (Start: 16 @27364 has 1 MA's), (21, 27313), (25, 27280), (26, 27250),

Gene: Jankie_36 Start: 25085, Stop: 24927, Start Num: 9
Candidate Starts for Jankie_36:
(9, 25085), (24, 24980), (25, 24974),

Gene: Jstan_38 Start: 27352, Stop: 27209, Start Num: 18
Candidate Starts for Jstan_38:
(10, 27388), (18, 27352), (21, 27307), (24, 27271), (25, 27265),

Gene: JuneStar_38 Start: 28123, Stop: 27959, Start Num: 13
Candidate Starts for JuneStar_38:
(7, 28144), (Start: 13 @28123 has 1 MA's), (14, 28111), (24, 28015), (25, 28009), (26, 27979),

Gene: LadyAstra_44 Start: 27607, Stop: 27422, Start Num: 8
Candidate Starts for LadyAstra_44:
(Start: 8 @27607 has 1 MA's), (17, 27565), (22, 27517), (25, 27475),

Gene: MissSwiss_36 Start: 24686, Stop: 24537, Start Num: 12
Candidate Starts for MissSwiss_36:
(6, 24716), (Start: 12 @24686 has 1 MA's), (20, 24650), (24, 24599), (27, 24548), (28, 24545),

Gene: Reedo_36 Start: 24760, Stop: 24581, Start Num: 11
Candidate Starts for Reedo_36:
(5, 24823), (7, 24781), (Start: 11 @24760 has 1 MA's), (17, 24727), (19, 24718), (23, 24664),

Gene: VroomVroom_41 Start: 27510, Stop: 27322, Start Num: 8
Candidate Starts for VroomVroom_41:
(1, 27657), (2, 27636), (3, 27606), (4, 27570), (Start: 8 @27510 has 1 MA's), (15, 27480), (25, 27375), (26, 27345),