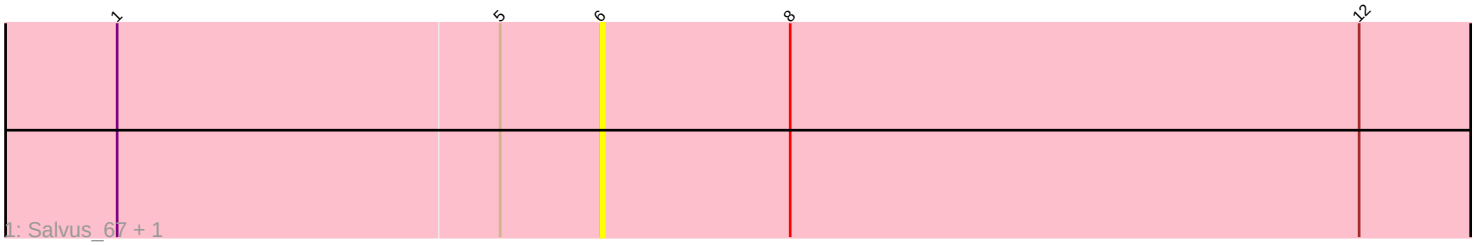
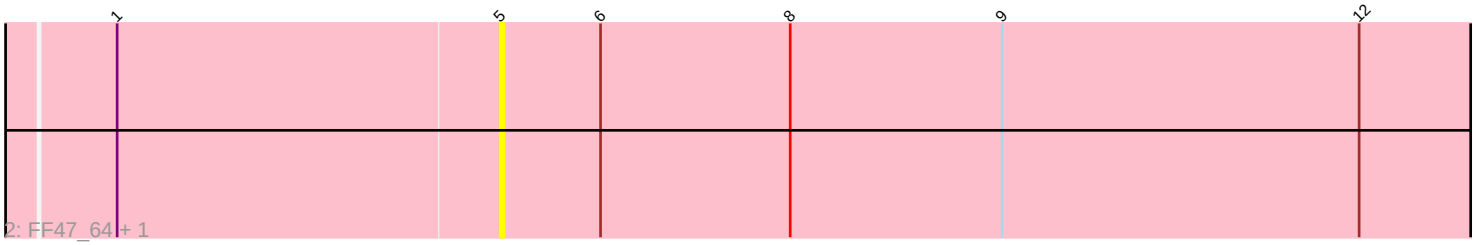
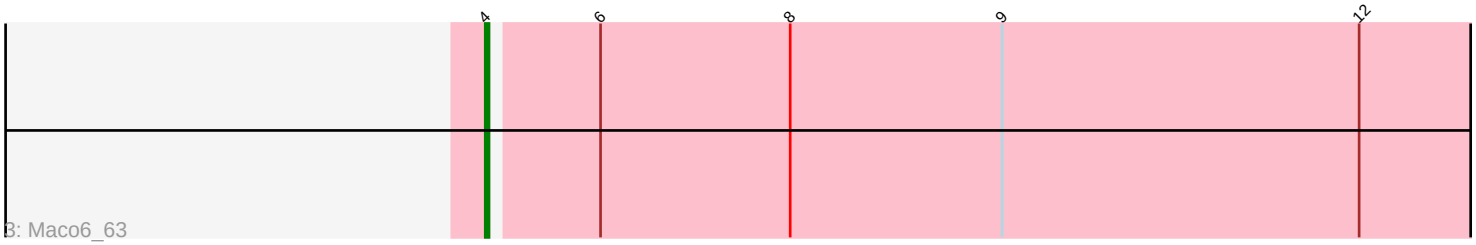
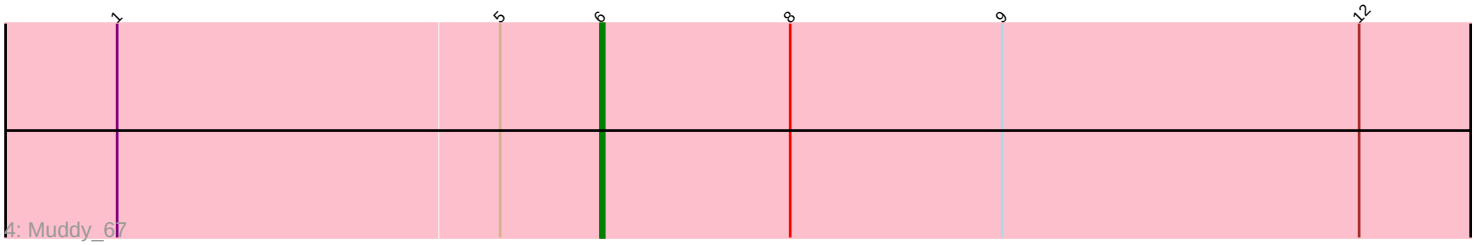
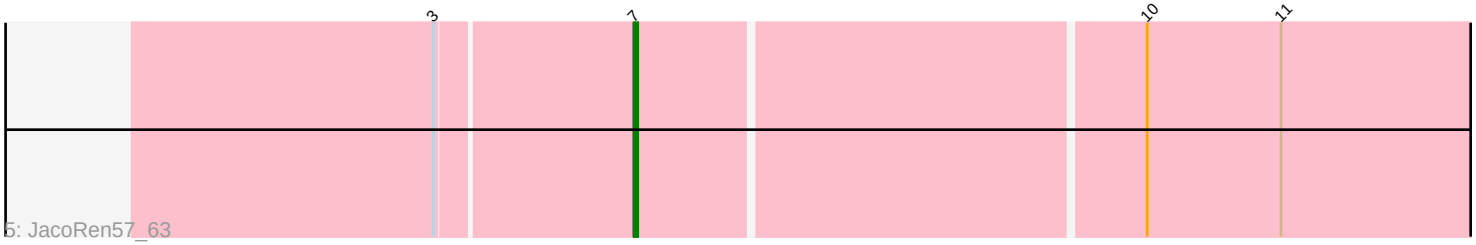
# Pham 282742

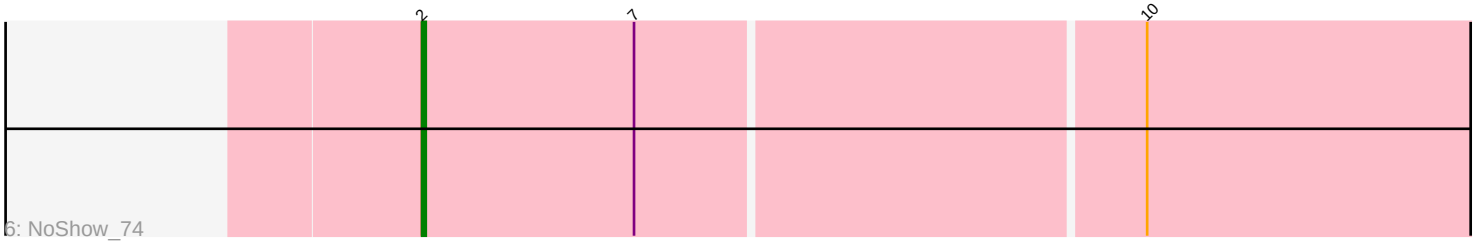

1
5
6
8
12
1: Salvus_67 + 1


1
5
6
8
9
12
2: FF47_64 + 1


4
6
8
9
12
3: Maco6_63


1
5
6
8
9
12
4: Muddy_67


3
7
10
11
5: JacoRen57_63


2
7
10
6: NoShow_74

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 282742 Report

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

Pham number 282742 has 8 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Salvus_67, LongHai_67
• Track 2 : FF47_64, 8UZL_67
• Track 3 : Maco6_63
• Track 4 : Muddy_67
• Track 5 : JacoRen57_63
• Track 6 : NoShow_74

***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 1 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• NoShow_74,

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

Genes that do not have the "Most Annotated" start:
• 8UZL_67, FF47_64, JacoRen57_63, LongHai_67, Maco6_63, Muddy_67, Salvus_67,

**Summary by start number:**

Start 2:
• Found in 1 of 8 ( 12.5% ) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NoShow_74 (AB),

Start 4:
• Found in 1 of 8 ( 12.5% ) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Maco6_63 (AB),

Start 5:
• Found in 5 of 8 ( 62.5% ) of genes in pham
• No Manual Annotations of this start.
• Called 40.0% of time when present
• Phage (with cluster) where this start called: 8UZL_67 (AB), FF47_64 (AB),

Start 6:
• Found in 6 of 8 ( 75.0% ) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 50.0% of time when present
• Phage (with cluster) where this start called: LongHai_67 (AB), Muddy_67 (AB), Salvus_67 (AB),

Start 7:
• Found in 2 of 8 ( 25.0% ) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 50.0% of time when present
• Phage (with cluster) where this start called: JacoRen57_63 (AB),

**Summary by clusters:**

There is one cluster represented in this pham: AB

Info for manual annotations of cluster AB:
•Start number 2 was manually annotated 1 time for cluster AB.
•Start number 4 was manually annotated 1 time for cluster AB.
•Start number 6 was manually annotated 1 time for cluster AB.
•Start number 7 was manually annotated 1 time for cluster AB.

***Gene Information:***

Gene: 8UZL_67 Start: 46153, Stop: 46452, Start Num: 5
Candidate Starts for 8UZL_67:
(1, 46051), (5, 46153), (Start: 6 @46180 has 1 MA's), (8, 46231), (9, 46288), (12, 46384),

Gene: FF47_64 Start: 46067, Stop: 46366, Start Num: 5
Candidate Starts for FF47_64:
(1, 45965), (5, 46067), (Start: 6 @46094 has 1 MA's), (8, 46145), (9, 46202), (12, 46298),

Gene: JacoRen57_63 Start: 47251, Stop: 47520, Start Num: 7
Candidate Starts for JacoRen57_63:
(3, 47200), (Start: 7 @47251 has 1 MA's), (10, 47383), (11, 47419),

Gene: LongHai_67 Start: 46426, Stop: 46698, Start Num: 6
Candidate Starts for LongHai_67:
(1, 46297), (5, 46399), (Start: 6 @46426 has 1 MA's), (8, 46477), (12, 46630),

Gene: Maco6_63 Start: 45489, Stop: 45788, Start Num: 4
Candidate Starts for Maco6_63:

(Start: 4 @45489 has 1 MA's), (Start: 6 @45516 has 1 MA's), (8, 45567), (9, 45624), (12, 45720),

Gene: Muddy_67 Start: 46594, Stop: 46866, Start Num: 6
Candidate Starts for Muddy_67:
(1, 46465), (5, 46567), (Start: 6 @46594 has 1 MA's), (8, 46645), (9, 46702), (12, 46798),

Gene: NoShow_74 Start: 49650, Stop: 49970, Start Num: 2
Candidate Starts for NoShow_74:
(Start: 2 @49650 has 1 MA's), (Start: 7 @49707 has 1 MA's), (10, 49839),

Gene: Salvus_67 Start: 46426, Stop: 46698, Start Num: 6
Candidate Starts for Salvus_67:
(1, 46297), (5, 46399), (Start: 6 @46426 has 1 MA's), (8, 46477), (12, 46630),