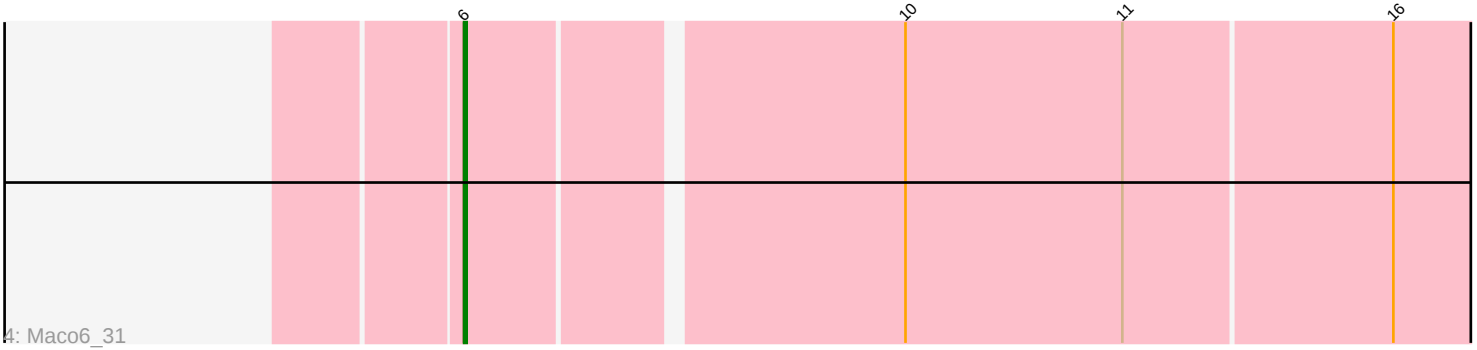
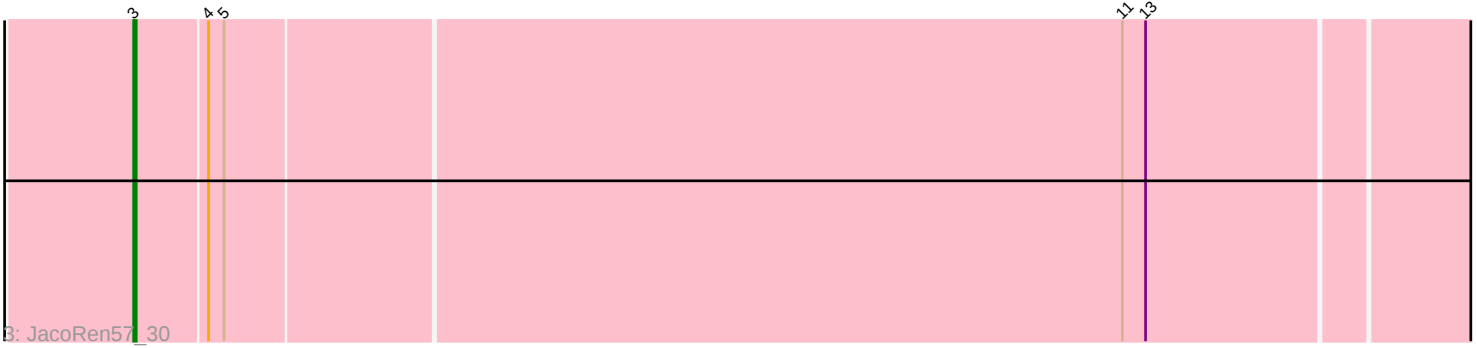
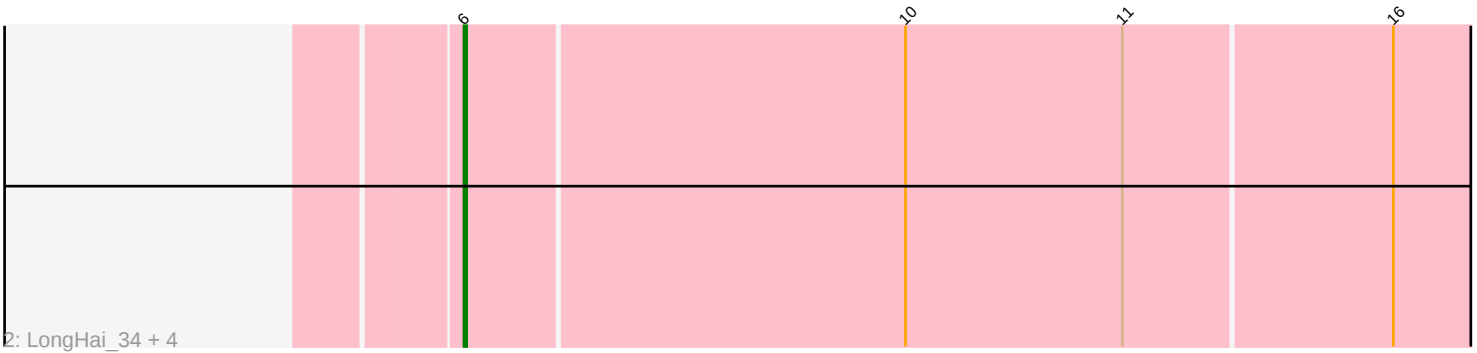
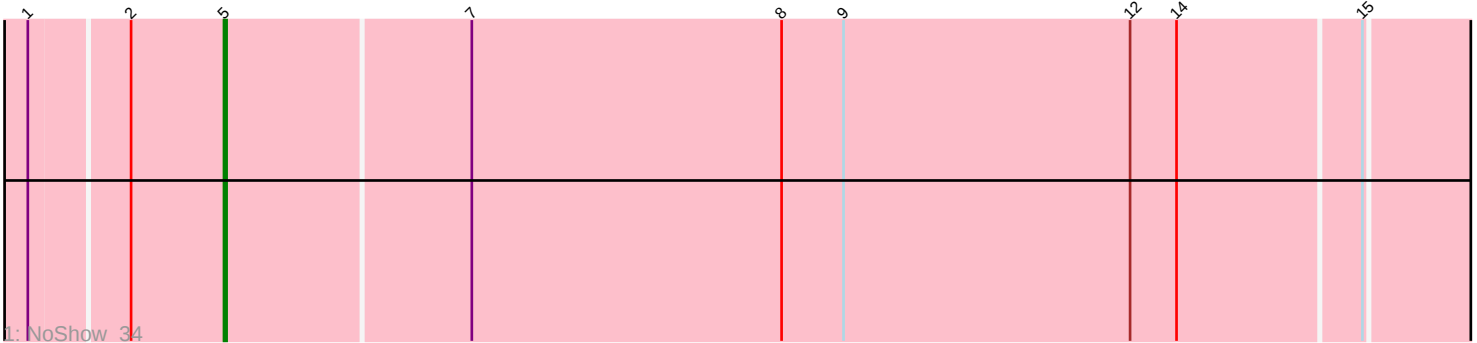




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 309942 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309942 has 8 members, 4 are drafts.

Phages represented in each track:

- Track 1 : NoShow_34
- Track 2 : LongHai_34, 8UZL_33, FF47_33, Muddy_33, Salvus_34
- Track 3 : JacoRen57_30
- Track 4 : Maco6_31

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 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 8UZL_33, FF47_33, LongHai_34, Maco6_31, Muddy_33, Salvus_34,

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

-

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

- JacoRen57_30, NoShow_34,

Summary by start number:

Start 3:

- 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: JacoRen57_30 (AB),

Start 5:

- 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: NoShow_34 (AB),

Start 6:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_33 (AB), FF47_33 (AB), LongHai_34 (AB), Maco6_31 (AB), Muddy_33 (AB), Salvus_34 (AB),

Summary by clusters:

There is one cluster represented in this pham: AB

Info for manual annotations of cluster AB:

- Start number 3 was manually annotated 1 time for cluster AB.
- Start number 5 was manually annotated 1 time for cluster AB.
- Start number 6 was manually annotated 2 times for cluster AB.

Gene Information:

Gene: 8UZL_33 Start: 26454, Stop: 26834, Start Num: 6

Candidate Starts for 8UZL_33:

(Start: 6 @26454 has 2 MA's), (10, 26613), (11, 26697), (16, 26799),

Gene: FF47_33 Start: 26381, Stop: 26761, Start Num: 6

Candidate Starts for FF47_33:

(Start: 6 @26381 has 2 MA's), (10, 26540), (11, 26624), (16, 26726),

Gene: JacoRen57_30 Start: 27572, Stop: 28090, Start Num: 3

Candidate Starts for JacoRen57_30:

(Start: 3 @27572 has 1 MA's), (4, 27599), (Start: 5 @27605 has 1 MA's), (11, 27947), (13, 27956),

Gene: LongHai_34 Start: 26756, Stop: 27145, Start Num: 6

Candidate Starts for LongHai_34:

(Start: 6 @26756 has 2 MA's), (10, 26924), (11, 27008), (16, 27110),

Gene: Maco6_31 Start: 25722, Stop: 26102, Start Num: 6

Candidate Starts for Maco6_31:

(Start: 6 @25722 has 2 MA's), (10, 25881), (11, 25965), (16, 26067),

Gene: Muddy_33 Start: 26662, Stop: 27048, Start Num: 6

Candidate Starts for Muddy_33:

(Start: 6 @26662 has 2 MA's), (10, 26827), (11, 26911), (16, 27013),

Gene: NoShow_34 Start: 28011, Stop: 28508, Start Num: 5

Candidate Starts for NoShow_34:

(1, 27939), (2, 27975), (Start: 5 @28011 has 1 MA's), (7, 28104), (8, 28224), (9, 28248), (12, 28359), (14, 28377), (15, 28446),

Gene: Salvus_34 Start: 26756, Stop: 27145, Start Num: 6

Candidate Starts for Salvus_34:

(Start: 6 @26756 has 2 MA's), (10, 26924), (11, 27008), (16, 27110),