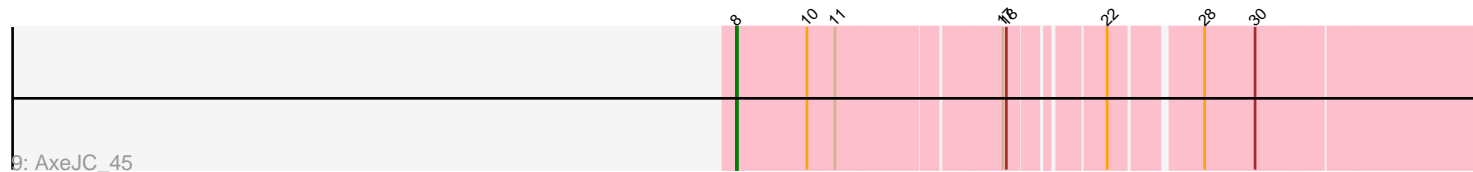
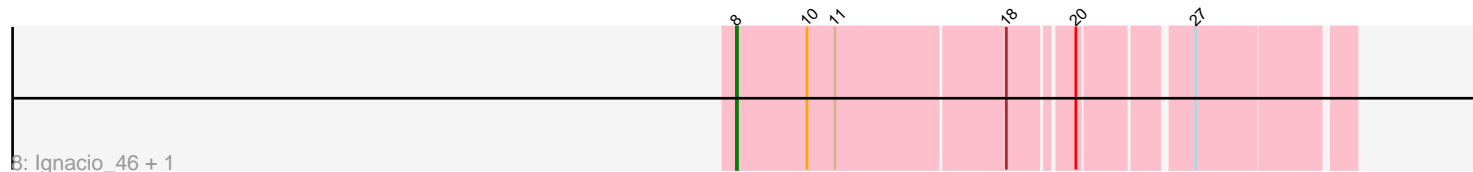
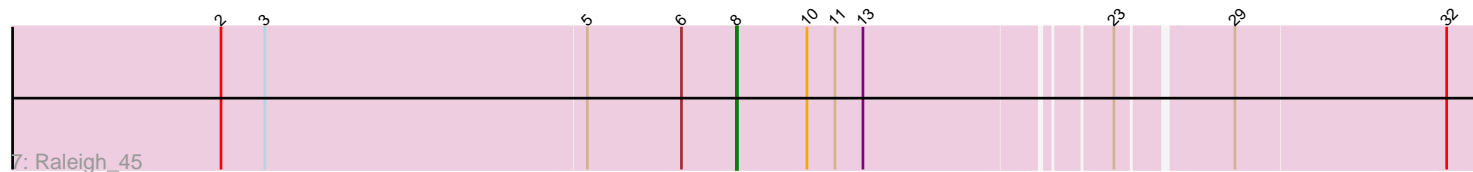
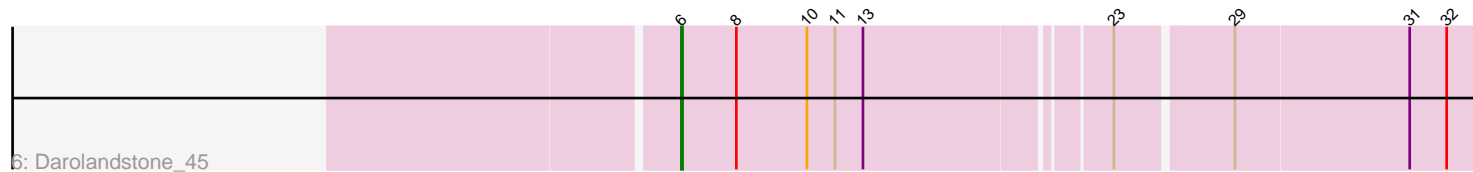
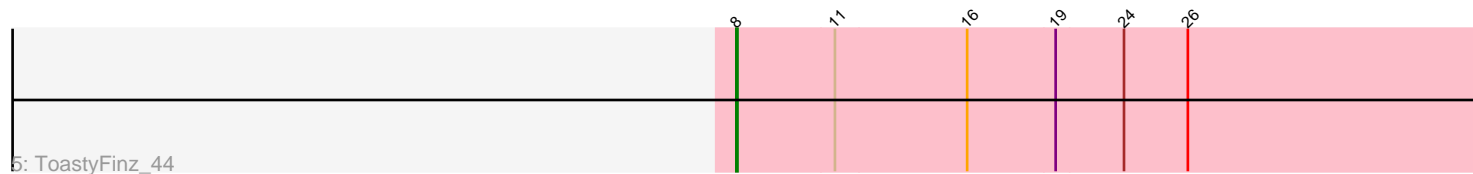
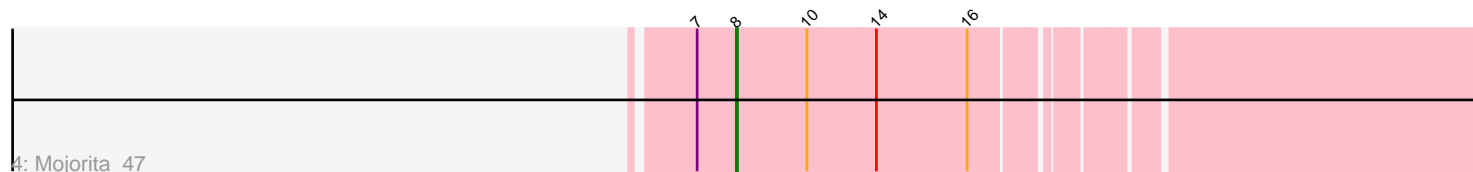
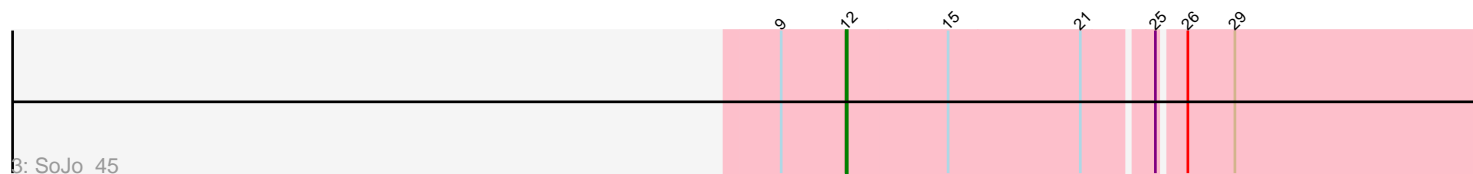
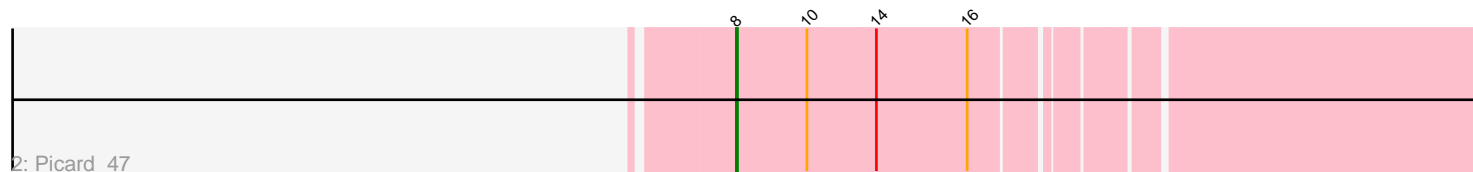
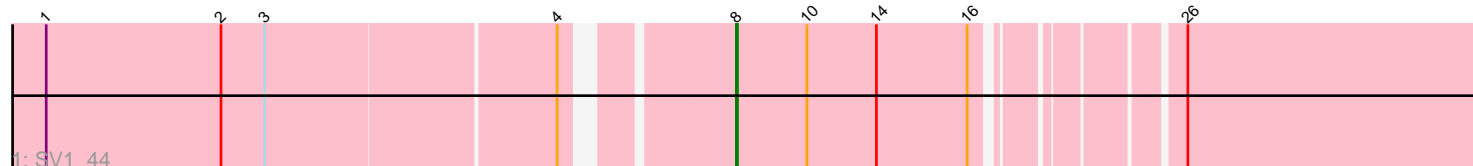


# Pham 87364



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 87364 Report

This analysis was run 04/28/24 on database version 559.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 87364 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : SV1\_44
- Track 2 : Picard\_47
- Track 3 : SoJo\_45
- Track 4 : Mojorita\_47
- Track 5 : ToastyFinz\_44
- Track 6 : Darolandstone\_45
- Track 7 : Raleigh\_45
- Track 8 : Ignacio\_46, HFrancette\_47
- Track 9 : AxeJC\_45

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

The start number called the most often in the published annotations is 8, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AxeJC\_45, HFrancette\_47, Ignacio\_46, Mojorita\_47, Picard\_47, Raleigh\_45, SV1\_44, ToastyFinz\_44,

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

- Darolandstone\_45,

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

- SoJo\_45,

### **Summary by start number:**

Start 6:

- Found in 2 of 10 ( 20.0% ) of genes in pham
- Manual Annotations of this start: 1 of 10

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Darolandstone\_45 (BC2),

Start 8:

- Found in 9 of 10 ( 90.0% ) of genes in pham
- Manual Annotations of this start: 8 of 10
- Called 88.9% of time when present
- Phage (with cluster) where this start called: AxeJC\_45 (BP), HFrancette\_47 (BP), Ignacio\_46 (BP), Mojarita\_47 (BC1), Picard\_47 (BC1), Raleigh\_45 (BC2), SV1\_44 (BC1), ToastyFinz\_44 (BC1),

Start 12:

- Found in 1 of 10 ( 10.0% ) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SoJo\_45 (BC1),

### **Summary by clusters:**

There are 3 clusters represented in this pham: BP, BC1, BC2,

Info for manual annotations of cluster BC1:

- Start number 8 was manually annotated 4 times for cluster BC1.
- Start number 12 was manually annotated 1 time for cluster BC1.

Info for manual annotations of cluster BC2:

- Start number 6 was manually annotated 1 time for cluster BC2.
- Start number 8 was manually annotated 1 time for cluster BC2.

Info for manual annotations of cluster BP:

- Start number 8 was manually annotated 3 times for cluster BP.

### **Gene Information:**

Gene: AxeJC\_45 Start: 30966, Stop: 31631, Start Num: 8

Candidate Starts for AxeJC\_45:

(Start: 8 @30966 has 8 MA's), (10, 31029), (11, 31053), (17, 31191), (18, 31194), (22, 31266), (28, 31338), (30, 31383),

Gene: Darolandstone\_45 Start: 34133, Stop: 34840, Start Num: 6

Candidate Starts for Darolandstone\_45:

(Start: 6 @34133 has 1 MA's), (Start: 8 @34181 has 8 MA's), (10, 34244), (11, 34268), (13, 34292), (23, 34496), (29, 34589), (31, 34742), (32, 34775),

Gene: HFrancette\_47 Start: 31998, Stop: 32495, Start Num: 8

Candidate Starts for HFrancette\_47:

(Start: 8 @31998 has 8 MA's), (10, 32061), (11, 32085), (18, 32232), (20, 32283), (27, 32370),

Gene: Ignacio\_46 Start: 31901, Stop: 32398, Start Num: 8

Candidate Starts for Ignacio\_46:

(Start: 8 @31901 has 8 MA's), (10, 31964), (11, 31988), (18, 32135), (20, 32186), (27, 32273),

Gene: Mojarita\_47 Start: 31848, Stop: 32522, Start Num: 8

Candidate Starts for Mojarita\_47:

(7, 31815), (Start: 8 @31848 has 8 MA's), (10, 31911), (14, 31971), (16, 32052),

Gene: Picard\_47 Start: 32040, Stop: 32714, Start Num: 8

Candidate Starts for Picard\_47:

(Start: 8 @32040 has 8 MA's), (10, 32103), (14, 32163), (16, 32244),

Gene: Raleigh\_45 Start: 34560, Stop: 35216, Start Num: 8

Candidate Starts for Raleigh\_45:

(2, 34104), (3, 34143), (5, 34428), (Start: 6 @34512 has 1 MA's), (Start: 8 @34560 has 8 MA's), (10, 34623), (11, 34647), (13, 34671), (23, 34875), (29, 34965), (32, 35151),

Gene: SV1\_44 Start: 30720, Stop: 31391, Start Num: 8

Candidate Starts for SV1\_44:

(1, 30150), (2, 30306), (3, 30345), (4, 30597), (Start: 8 @30720 has 8 MA's), (10, 30783), (14, 30843), (16, 30924), (26, 31068),

Gene: SoJo\_45 Start: 32594, Stop: 33205, Start Num: 12

Candidate Starts for SoJo\_45:

(9, 32537), (Start: 12 @32594 has 1 MA's), (15, 32681), (21, 32798), (25, 32855), (26, 32876), (29, 32918),

Gene: ToastyFinz\_44 Start: 33401, Stop: 34129, Start Num: 8

Candidate Starts for ToastyFinz\_44:

(Start: 8 @33401 has 8 MA's), (11, 33488), (16, 33605), (19, 33683), (24, 33743), (26, 33800),