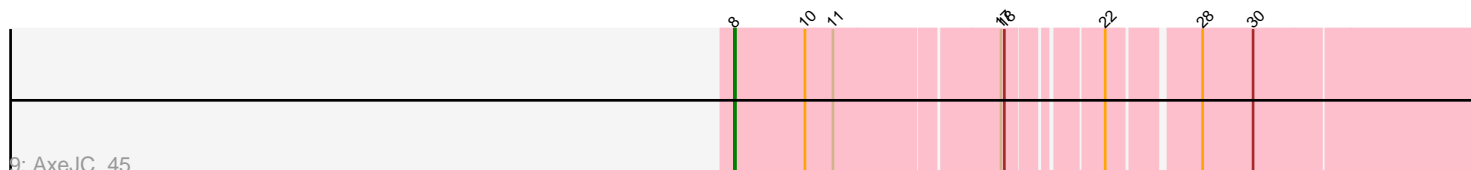
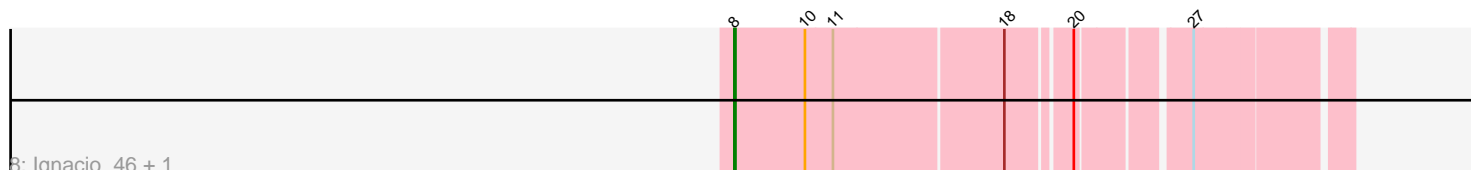
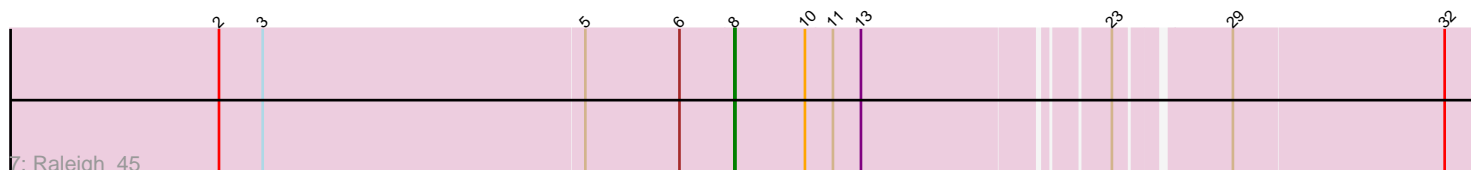
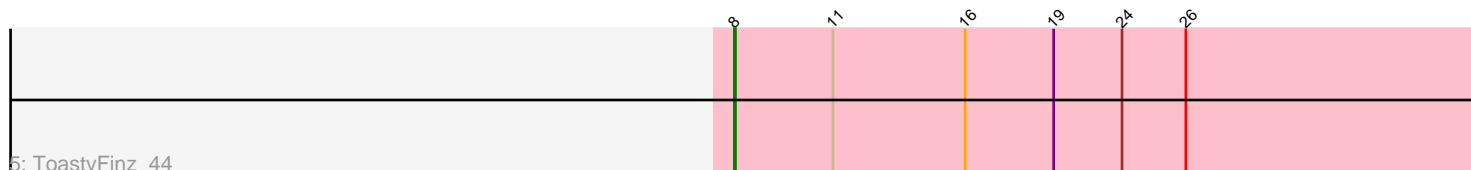
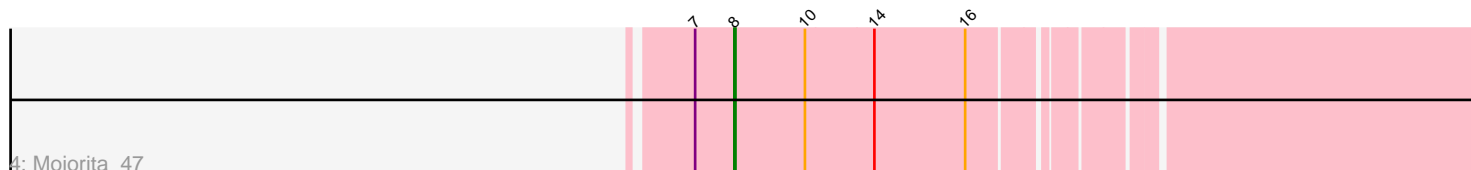
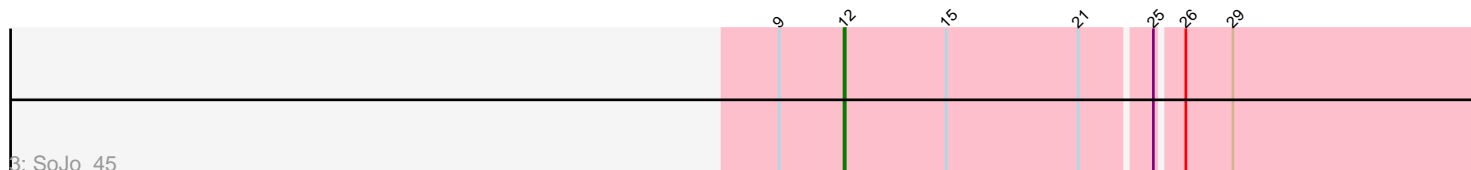
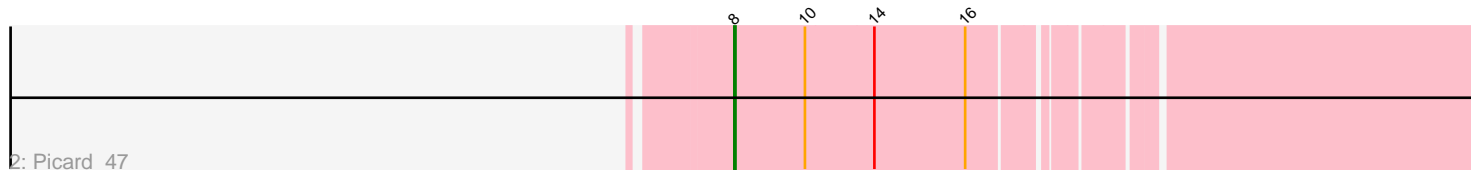
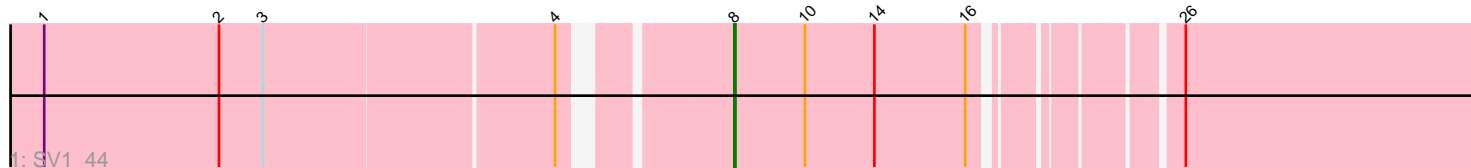


Pham 87364



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 03/30/24 on database version 556.

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),