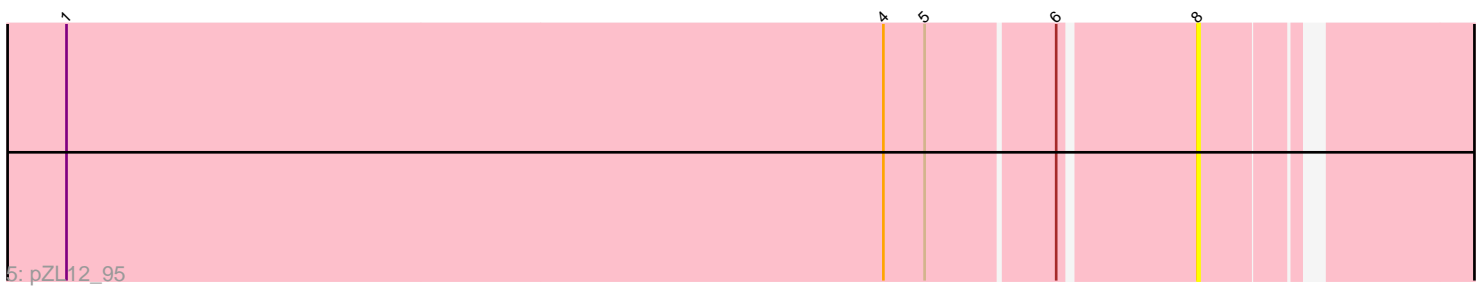
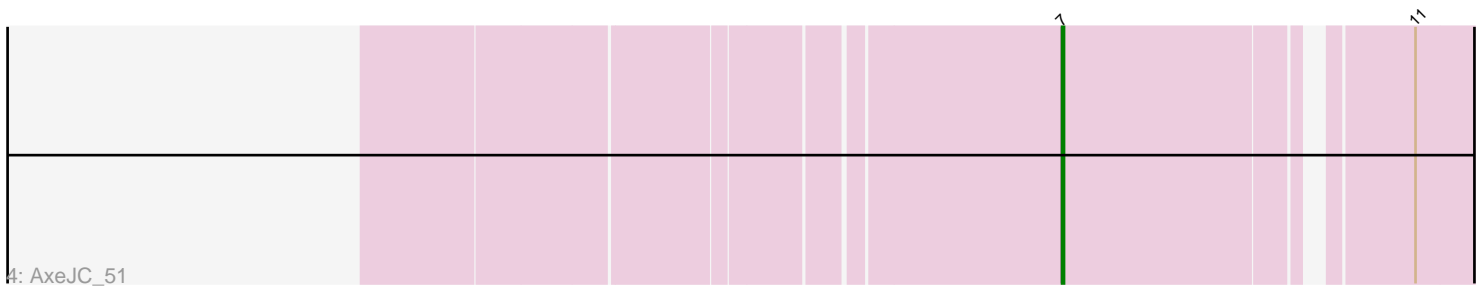
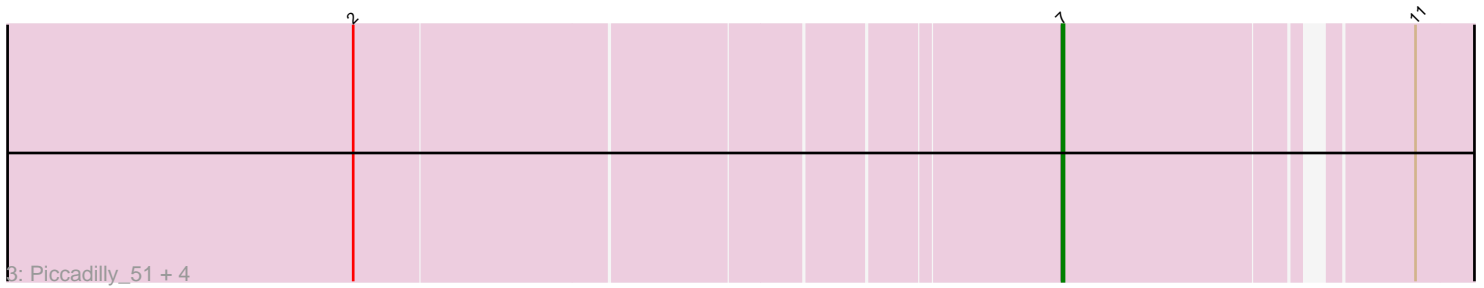
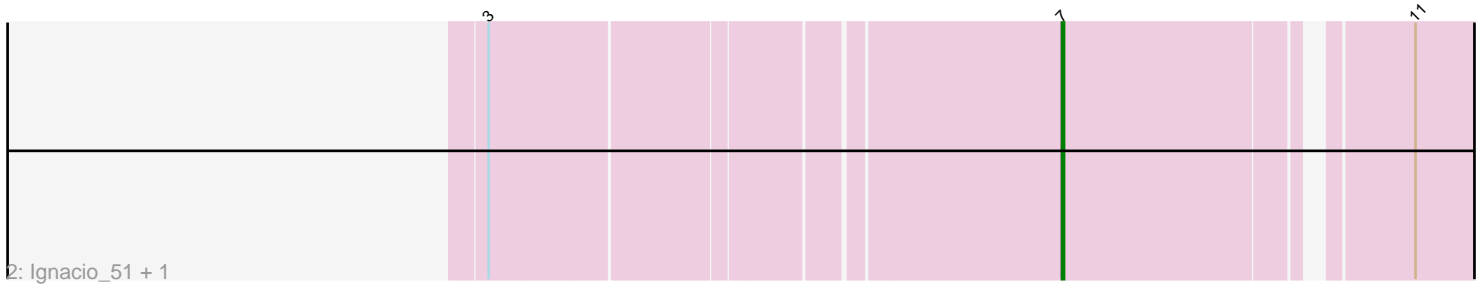
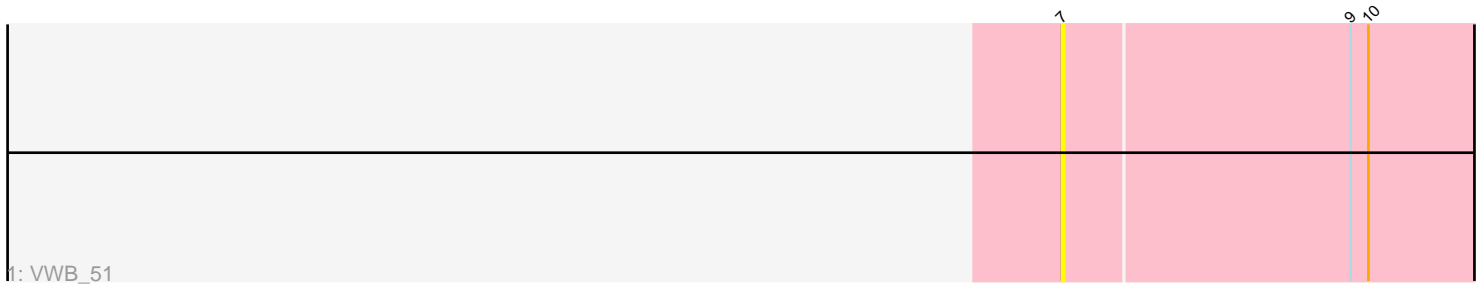


Pham 5723



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 5723 Report

This analysis was run 07/09/24 on database version 566.

Pham number 5723 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : VWB_51
- Track 2 : Ignacio_51, HFrancette_52
- Track 3 : Piccadilly_51, Eklok_51, Eastland_51, Vondra_50, Cumberbatch_52
- Track 4 : AxeJC_51
- Track 5 : pZL12_95

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AxeJC_51, Cumberbatch_52, Eastland_51, Eklok_51, HFrancette_52, Ignacio_51, Piccadilly_51, VWB_51, Vondra_50,

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

-

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

- pZL12_95,

Summary by start number:

Start 7:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AxeJC_51 (BP), Cumberbatch_52 (BP), Eastland_51 (BP), Eklok_51 (BP), HFrancette_52 (BP), Ignacio_51 (BP), Piccadilly_51 (BP), VWB_51 (BA), Vondra_50 (BP),

Start 8:

- Found in 1 of 10 (10.0%) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: pZL12_95 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, BP, BA,

Info for manual annotations of cluster BP:

- Start number 7 was manually annotated 8 times for cluster BP.

Gene Information:

Gene: AxeJC_51 Start: 33220, Stop: 33492, Start Num: 7

Candidate Starts for AxeJC_51:

(Start: 7 @33220 has 8 MA's), (11, 33379),

Gene: Cumberbatch_52 Start: 33104, Stop: 33376, Start Num: 7

Candidate Starts for Cumberbatch_52:

(2, 32762), (Start: 7 @33104 has 8 MA's), (11, 33263),

Gene: Eastland_51 Start: 33064, Stop: 33336, Start Num: 7

Candidate Starts for Eastland_51:

(2, 32722), (Start: 7 @33064 has 8 MA's), (11, 33223),

Gene: Eklok_51 Start: 32863, Stop: 33135, Start Num: 7

Candidate Starts for Eklok_51:

(2, 32521), (Start: 7 @32863 has 8 MA's), (11, 33022),

Gene: HFrancette_52 Start: 33752, Stop: 34024, Start Num: 7

Candidate Starts for HFrancette_52:

(3, 33482), (Start: 7 @33752 has 8 MA's), (11, 33911),

Gene: Ignacio_51 Start: 33655, Stop: 33927, Start Num: 7

Candidate Starts for Ignacio_51:

(3, 33385), (Start: 7 @33655 has 8 MA's), (11, 33814),

Gene: Piccadilly_51 Start: 33063, Stop: 33335, Start Num: 7

Candidate Starts for Piccadilly_51:

(2, 32721), (Start: 7 @33063 has 8 MA's), (11, 33222),

Gene: VWB_51 Start: 38502, Stop: 38792, Start Num: 7

Candidate Starts for VWB_51:

(Start: 7 @38502 has 8 MA's), (9, 38646), (10, 38655),

Gene: Vondra_50 Start: 32649, Stop: 32921, Start Num: 7

Candidate Starts for Vondra_50:

(2, 32307), (Start: 7 @32649 has 8 MA's), (11, 32808),

Gene: pZL12_95 Start: 77208, Stop: 77423, Start Num: 8

Candidate Starts for pZL12_95:

(1, 76644), (4, 77058), (5, 77079), (6, 77142), (8, 77208),