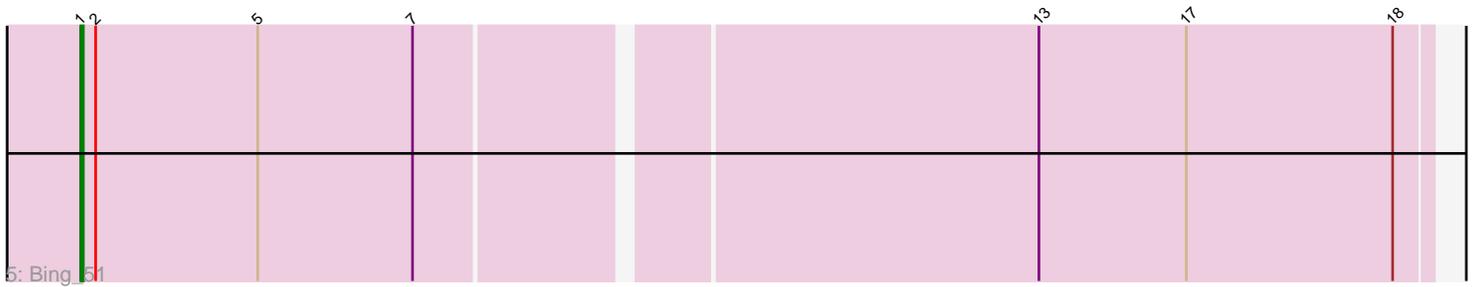
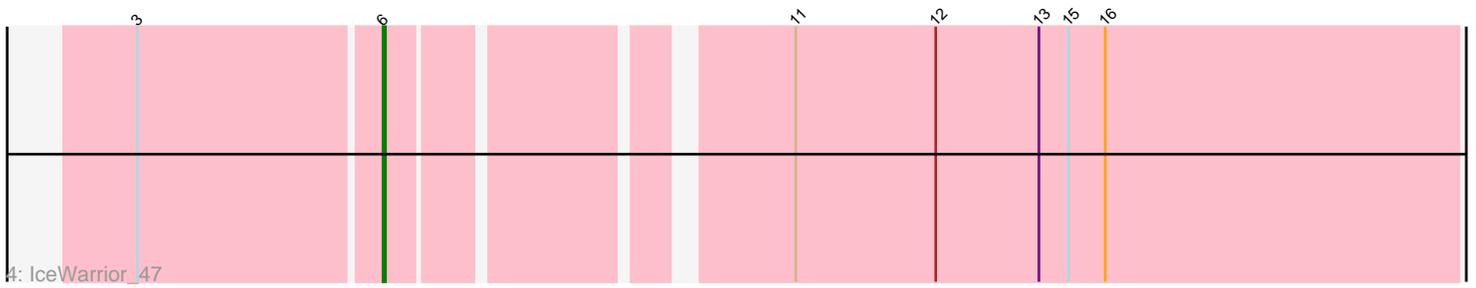
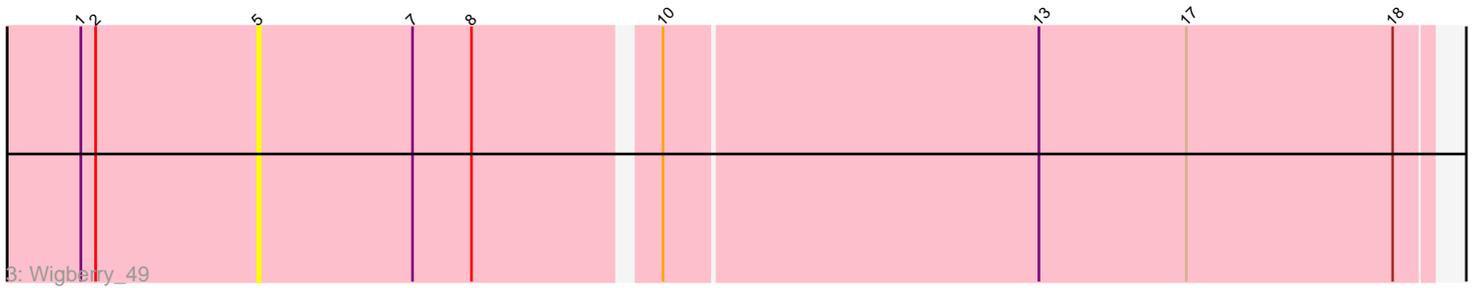
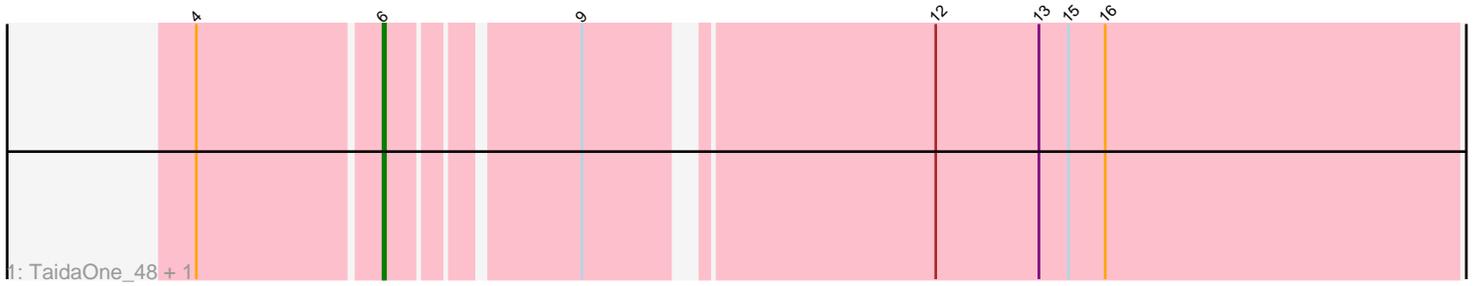


Pham 290079



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 290079 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290079 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TaidaOne_48, CherryBlossom_48
- Track 2 : Madamato_49
- Track 3 : Wigberry_49
- Track 4 : IceWarrior_47
- Track 5 : Bing_51

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 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryBlossom_48, IceWarrior_47, Madamato_49, TaidaOne_48,

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

-

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

- Bing_51, Wigberry_49,

Summary by start number:

Start 1:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Bing_51 (BI5),

Start 5:

- Found in 2 of 6 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Wigberry_49 (BI1),

Start 6:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryBlossom_48 (BI1), IceWarrior_47 (BI1), Madamato_49 (BI1), TaidaOne_48 (BI1),

Summary by clusters:

There are 2 clusters represented in this pham: BI5, BI1,

Info for manual annotations of cluster BI1:

- Start number 6 was manually annotated 4 times for cluster BI1.

Info for manual annotations of cluster BI5:

- Start number 1 was manually annotated 1 time for cluster BI5.

Gene Information:

Gene: Bing_51 Start: 32869, Stop: 33402, Start Num: 1

Candidate Starts for Bing_51:

(Start: 1 @32869 has 1 MA's), (2, 32875), (5, 32941), (7, 33004), (13, 33244), (17, 33304), (18, 33388),

Gene: CherryBlossom_48 Start: 32222, Stop: 32635, Start Num: 6

Candidate Starts for CherryBlossom_48:

(4, 32150), (Start: 6 @32222 has 4 MA's), (9, 32291), (12, 32420), (13, 32462), (15, 32474), (16, 32489),

Gene: IceWarrior_47 Start: 32012, Stop: 32425, Start Num: 6

Candidate Starts for IceWarrior_47:

(3, 31916), (Start: 6 @32012 has 4 MA's), (11, 32153), (12, 32210), (13, 32252), (15, 32264), (16, 32279),

Gene: Madamato_49 Start: 32375, Stop: 32803, Start Num: 6

Candidate Starts for Madamato_49:

(4, 32303), (Start: 6 @32375 has 4 MA's), (12, 32591), (13, 32633), (14, 32639), (15, 32645), (16, 32660), (17, 32693), (18, 32771),

Gene: TaidaOne_48 Start: 32838, Stop: 33251, Start Num: 6

Candidate Starts for TaidaOne_48:

(4, 32766), (Start: 6 @32838 has 4 MA's), (9, 32907), (12, 33036), (13, 33078), (15, 33090), (16, 33105),

Gene: Wigberry_49 Start: 31629, Stop: 32093, Start Num: 5

Candidate Starts for Wigberry_49:

(Start: 1 @31557 has 1 MA's), (2, 31563), (5, 31629), (7, 31692), (8, 31716), (10, 31785), (13, 31935), (17, 31995), (18, 32079),