



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 87177 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87177 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Meibysrarus\_67, Jaylociraptor\_69, IceWarrior\_68, Indigenous\_71, CherryBlossom\_69, Hoshi\_70, Spectropatronm\_68, Namo\_70, TonyStarch\_68, FidgetOrca\_71, Maya\_69, Rima\_69
- Track 2 : Madamato\_68

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

The start number called the most often in the published annotations is 1, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryBlossom\_69, FidgetOrca\_71, Hoshi\_70, IceWarrior\_68, Indigenous\_71, Jaylociraptor\_69, Madamato\_68, Maya\_69, Meibysrarus\_67, Namo\_70, Rima\_69, Spectropatronm\_68, TonyStarch\_68,

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

- 

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

- 

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

Start 1:

- Found in 13 of 13 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryBlossom\_69 (BI1), FidgetOrca\_71 (BI1), Hoshi\_70 (BI1), IceWarrior\_68 (BI1), Indigenous\_71 (BI1), Jaylociraptor\_69 (BI1), Madamato\_68 (BI1), Maya\_69 (BI1), Meibysrarus\_67 (BI1), Namo\_70 (BI1), Rima\_69 (BI1), Spectropatronm\_68 (BI1), TonyStarch\_68 (BI1),

### **Summary by clusters:**

There is one cluster represented in this pham: B11

Info for manual annotations of cluster B11:

•Start number 1 was manually annotated 13 times for cluster B11.

**Gene Information:**

Gene: CherryBlossom\_69 Start: 43985, Stop: 44224, Start Num: 1

Candidate Starts for CherryBlossom\_69:

(Start: 1 @43985 has 13 MA's), (2, 44192),

Gene: FidgetOrca\_71 Start: 44521, Stop: 44760, Start Num: 1

Candidate Starts for FidgetOrca\_71:

(Start: 1 @44521 has 13 MA's), (2, 44728),

Gene: Hoshi\_70 Start: 44128, Stop: 44367, Start Num: 1

Candidate Starts for Hoshi\_70:

(Start: 1 @44128 has 13 MA's), (2, 44335),

Gene: IceWarrior\_68 Start: 43804, Stop: 44043, Start Num: 1

Candidate Starts for IceWarrior\_68:

(Start: 1 @43804 has 13 MA's), (2, 44011),

Gene: Indigenous\_71 Start: 44525, Stop: 44764, Start Num: 1

Candidate Starts for Indigenous\_71:

(Start: 1 @44525 has 13 MA's), (2, 44732),

Gene: Jaylociraptor\_69 Start: 44121, Stop: 44360, Start Num: 1

Candidate Starts for Jaylociraptor\_69:

(Start: 1 @44121 has 13 MA's), (2, 44328),

Gene: Madamoto\_68 Start: 44045, Stop: 44266, Start Num: 1

Candidate Starts for Madamoto\_68:

(Start: 1 @44045 has 13 MA's),

Gene: Maya\_69 Start: 44135, Stop: 44374, Start Num: 1

Candidate Starts for Maya\_69:

(Start: 1 @44135 has 13 MA's), (2, 44342),

Gene: Meibysrarus\_67 Start: 43498, Stop: 43737, Start Num: 1

Candidate Starts for Meibysrarus\_67:

(Start: 1 @43498 has 13 MA's), (2, 43705),

Gene: Namo\_70 Start: 44472, Stop: 44711, Start Num: 1

Candidate Starts for Namo\_70:

(Start: 1 @44472 has 13 MA's), (2, 44679),

Gene: Rima\_69 Start: 44472, Stop: 44711, Start Num: 1

Candidate Starts for Rima\_69:

(Start: 1 @44472 has 13 MA's), (2, 44679),

Gene: Spectropatronm\_68 Start: 44128, Stop: 44367, Start Num: 1  
Candidate Starts for Spectropatronm\_68:  
(Start: 1 @44128 has 13 MA's), (2, 44335),

Gene: TonyStarch\_68 Start: 43870, Stop: 44109, Start Num: 1  
Candidate Starts for TonyStarch\_68:  
(Start: 1 @43870 has 13 MA's), (2, 44077),