

1	2	3	4

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 301930 Report

This analysis was run 06/08/26 on database version 649.

Pham number 301930 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : KristaRAM\_90, Tchotchke\_84, James\_92, OlympiaSaint\_91, ShiLan\_91, ShroomBoi\_88, Mattes\_88, Jarcob\_91, Spoonbill\_87, GUmbie\_88, RockyHorror\_93, Krakatau\_83

### ***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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GUmbie\_88, James\_92, Jarcob\_91, Krakatau\_83, KristaRAM\_90, Mattes\_88, OlympiaSaint\_91, RockyHorror\_93, ShiLan\_91, ShroomBoi\_88, Spoonbill\_87, Tchotchke\_84,

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 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GUmbie\_88 (F1), James\_92 (F1), Jarcob\_91 (F1), Krakatau\_83 (F1), KristaRAM\_90 (F1), Mattes\_88 (F1), OlympiaSaint\_91 (F1), RockyHorror\_93 (F1), ShiLan\_91 (F1), ShroomBoi\_88 (F1), Spoonbill\_87 (F1), Tchotchke\_84 (F1),

### **Summary by clusters:**

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

•Start number 1 was manually annotated 11 times for cluster F1.

**Gene Information:**

Gene: GUmbe\_88 Start: 51105, Stop: 51233, Start Num: 1

Candidate Starts for GUmbe\_88:

(Start: 1 @51105 has 11 MA's), (2, 51141), (3, 51180), (4, 51222),

Gene: James\_92 Start: 52796, Stop: 52924, Start Num: 1

Candidate Starts for James\_92:

(Start: 1 @52796 has 11 MA's), (2, 52832), (3, 52871), (4, 52913),

Gene: Jacob\_91 Start: 52395, Stop: 52523, Start Num: 1

Candidate Starts for Jacob\_91:

(Start: 1 @52395 has 11 MA's), (2, 52431), (3, 52470), (4, 52512),

Gene: Krakatau\_83 Start: 46905, Stop: 47033, Start Num: 1

Candidate Starts for Krakatau\_83:

(Start: 1 @46905 has 11 MA's), (2, 46941), (3, 46980), (4, 47022),

Gene: KristaRAM\_90 Start: 50693, Stop: 50821, Start Num: 1

Candidate Starts for KristaRAM\_90:

(Start: 1 @50693 has 11 MA's), (2, 50729), (3, 50768), (4, 50810),

Gene: Mattes\_88 Start: 51528, Stop: 51656, Start Num: 1

Candidate Starts for Mattes\_88:

(Start: 1 @51528 has 11 MA's), (2, 51564), (3, 51603), (4, 51645),

Gene: OlympiaSaint\_91 Start: 51738, Stop: 51866, Start Num: 1

Candidate Starts for OlympiaSaint\_91:

(Start: 1 @51738 has 11 MA's), (2, 51774), (3, 51813), (4, 51855),

Gene: RockyHorror\_93 Start: 51113, Stop: 51241, Start Num: 1

Candidate Starts for RockyHorror\_93:

(Start: 1 @51113 has 11 MA's), (2, 51149), (3, 51188), (4, 51230),

Gene: ShiLan\_91 Start: 53251, Stop: 53379, Start Num: 1

Candidate Starts for ShiLan\_91:

(Start: 1 @53251 has 11 MA's), (2, 53287), (3, 53326), (4, 53368),

Gene: ShroomBoi\_88 Start: 50759, Stop: 50887, Start Num: 1

Candidate Starts for ShroomBoi\_88:

(Start: 1 @50759 has 11 MA's), (2, 50795), (3, 50834), (4, 50876),

Gene: Spoonbill\_87 Start: 49164, Stop: 49292, Start Num: 1

Candidate Starts for Spoonbill\_87:

(Start: 1 @49164 has 11 MA's), (2, 49200), (3, 49239), (4, 49281),

Gene: Tchotchke\_84 Start: 49799, Stop: 49927, Start Num: 1

Candidate Starts for Tchotchke\_84:

(Start: 1 @49799 has 11 MA's), (2, 49835), (3, 49874), (4, 49916),