



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 203519 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203519 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : SparkleGoddess\_99, Belfort\_101, Comrade\_98, Karp\_97, Westy\_100, Stigma\_98
- Track 2 : MeganTheeKilla\_99
- Track 3 : Faust\_98, SeresaTree\_98
- Track 4 : Beuffert\_94
- Track 5 : Blueeyedbeauty\_96

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort\_101, Comrade\_98, Karp\_97, SparkleGoddess\_99, Stigma\_98, Westy\_100,

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

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

- Beuffert\_94, Blueeyedbeauty\_96, Faust\_98, MeganTheeKilla\_99, SeresaTree\_98,

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

Start 1:

- Found in 2 of 11 ( 18.2% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Faust\_98 (BK1), SeresaTree\_98 (BK1),

Start 2:

- Found in 3 of 11 ( 27.3% ) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Beuffert\_94 (BK1), Blueeyedbeauty\_96 (BK1), MeganTheeKilla\_99 (BK1),

Start 3:

- Found in 6 of 11 ( 54.5% ) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort\_101 (BK1), Comrade\_98 (BK1), Karp\_97 (BK1), SparkleGoddess\_99 (BK1), Stigma\_98 (BK1), Westy\_100 (BK1),

### **Summary by clusters:**

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 1 was manually annotated 1 time for cluster BK1.
- Start number 2 was manually annotated 3 times for cluster BK1.
- Start number 3 was manually annotated 5 times for cluster BK1.

### ***Gene Information:***

Gene: Belfort\_101 Start: 68605, Stop: 68790, Start Num: 3

Candidate Starts for Belfort\_101:

(Start: 3 @68605 has 5 MA's), (5, 68677),

Gene: Beuffert\_94 Start: 66921, Stop: 67106, Start Num: 2

Candidate Starts for Beuffert\_94:

(Start: 2 @66921 has 3 MA's),

Gene: Blueeyedbeauty\_96 Start: 66320, Stop: 66505, Start Num: 2

Candidate Starts for Blueeyedbeauty\_96:

(Start: 2 @66320 has 3 MA's), (5, 66392),

Gene: Comrade\_98 Start: 67922, Stop: 68107, Start Num: 3

Candidate Starts for Comrade\_98:

(Start: 3 @67922 has 5 MA's), (5, 67994),

Gene: Faust\_98 Start: 68011, Stop: 68205, Start Num: 1

Candidate Starts for Faust\_98:

(Start: 1 @68011 has 1 MA's), (4, 68071), (5, 68098),

Gene: Karp\_97 Start: 67879, Stop: 68064, Start Num: 3

Candidate Starts for Karp\_97:

(Start: 3 @67879 has 5 MA's), (5, 67951),

Gene: MeganTheeKilla\_99 Start: 66705, Stop: 66854, Start Num: 2

Candidate Starts for MeganTheeKilla\_99:

(Start: 2 @66705 has 3 MA's),

Gene: SeresaTree\_98 Start: 67393, Stop: 67587, Start Num: 1

Candidate Starts for SeresaTree\_98:

(Start: 1 @67393 has 1 MA's), (4, 67453), (5, 67480),

Gene: SparkleGoddess\_99 Start: 68222, Stop: 68407, Start Num: 3

Candidate Starts for SparkleGoddess\_99:

(Start: 3 @68222 has 5 MA's), (5, 68294),

Gene: Stigma\_98 Start: 68230, Stop: 68415, Start Num: 3

Candidate Starts for Stigma\_98:

(Start: 3 @68230 has 5 MA's), (5, 68302),

Gene: Westy\_100 Start: 69242, Stop: 69427, Start Num: 3

Candidate Starts for Westy\_100:

(Start: 3 @69242 has 5 MA's), (5, 69314),