



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 291863 Report

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

Pham number 291863 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Karp_255, Westy_257, SparkleGoddess_255, Stigma_253, Belfort_256, Comrade_251
- Track 2 : Chaewon_239

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_256, Comrade_251, Karp_255, SparkleGoddess_255, Stigma_253, Westy_257,

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:

- Chaewon_239,

Summary by start number:

Start 3:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chaewon_239 (BK2),

Start 4:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_256 (BK1), Comrade_251 (BK1), Karp_255 (BK1), SparkleGoddess_255 (BK1), Stigma_253 (BK1), Westy_257 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:

•Start number 4 was manually annotated 6 times for cluster BK1.

Gene Information:

Gene: Belfort_256 Start: 122792, Stop: 123034, Start Num: 4

Candidate Starts for Belfort_256:

(2, 122771), (Start: 4 @122792 has 6 MA's), (6, 122930), (7, 122948), (8, 123014),

Gene: Chaewon_239 Start: 120968, Stop: 121225, Start Num: 3

Candidate Starts for Chaewon_239:

(1, 120950), (3, 120968), (5, 121025), (6, 121115), (7, 121133), (9, 121211),

Gene: Comrade_251 Start: 122934, Stop: 123176, Start Num: 4

Candidate Starts for Comrade_251:

(2, 122913), (Start: 4 @122934 has 6 MA's), (6, 123072), (7, 123090), (8, 123156),

Gene: Karp_255 Start: 124389, Stop: 124631, Start Num: 4

Candidate Starts for Karp_255:

(2, 124368), (Start: 4 @124389 has 6 MA's), (6, 124527), (7, 124545), (8, 124611),

Gene: SparkleGoddess_255 Start: 123665, Stop: 123907, Start Num: 4

Candidate Starts for SparkleGoddess_255:

(2, 123644), (Start: 4 @123665 has 6 MA's), (6, 123803), (7, 123821), (8, 123887),

Gene: Stigma_253 Start: 123378, Stop: 123620, Start Num: 4

Candidate Starts for Stigma_253:

(2, 123357), (Start: 4 @123378 has 6 MA's), (6, 123516), (7, 123534), (8, 123600),

Gene: Westy_257 Start: 124195, Stop: 124437, Start Num: 4

Candidate Starts for Westy_257:

(2, 124174), (Start: 4 @124195 has 6 MA's), (6, 124333), (7, 124351), (8, 124417),