



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 305435 Report

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

Pham number 305435 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Zemlya_65, Brataylor_66, Dattran_66, Danzina_65, Celeste_65
- Track 2 : Toma_65, Sujidade_65, Godpower_65, Goby_65
- Track 3 : Lorelei_64, Rana_65
- Track 4 : Lika_64

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Brataylor_66, Celeste_65, Danzina_65, Dattran_66, Goby_65, Godpower_65, Lika_64, Lorelei_64, Rana_65, Sujidade_65, Toma_65, Zemlya_65,

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 3:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brataylor_66 (BD1), Celeste_65 (BD1), Danzina_65 (BD1), Dattran_66 (BD1), Goby_65 (BD1), Godpower_65 (BD1), Lika_64 (BD1), Lorelei_64 (BD1), Rana_65 (BD1), Sujidade_65 (BD1), Toma_65 (BD1), Zemlya_65 (BD1),

Summary by clusters:

There is one cluster represented in this pham: BD1

Info for manual annotations of cluster BD1:

•Start number 3 was manually annotated 12 times for cluster BD1.

Gene Information:

Gene: Brataylor_66 Start: 45152, Stop: 44892, Start Num: 3

Candidate Starts for Brataylor_66:

(Start: 3 @45152 has 12 MA's), (4, 45095), (5, 45050),

Gene: Celeste_65 Start: 44617, Stop: 44357, Start Num: 3

Candidate Starts for Celeste_65:

(Start: 3 @44617 has 12 MA's), (4, 44560), (5, 44515),

Gene: Danzina_65 Start: 44866, Stop: 44606, Start Num: 3

Candidate Starts for Danzina_65:

(Start: 3 @44866 has 12 MA's), (4, 44809), (5, 44764),

Gene: Dattran_66 Start: 45008, Stop: 44748, Start Num: 3

Candidate Starts for Dattran_66:

(Start: 3 @45008 has 12 MA's), (4, 44951), (5, 44906),

Gene: Goby_65 Start: 45488, Stop: 45204, Start Num: 3

Candidate Starts for Goby_65:

(1, 45737), (2, 45545), (Start: 3 @45488 has 12 MA's), (5, 45386),

Gene: Godpower_65 Start: 44764, Stop: 44480, Start Num: 3

Candidate Starts for Godpower_65:

(1, 45013), (2, 44821), (Start: 3 @44764 has 12 MA's), (5, 44662),

Gene: Lika_64 Start: 45317, Stop: 45033, Start Num: 3

Candidate Starts for Lika_64:

(2, 45374), (Start: 3 @45317 has 12 MA's), (5, 45215),

Gene: Lorelei_64 Start: 44624, Stop: 44364, Start Num: 3

Candidate Starts for Lorelei_64:

(1, 44873), (2, 44681), (Start: 3 @44624 has 12 MA's), (4, 44567), (5, 44522),

Gene: Rana_65 Start: 45046, Stop: 44786, Start Num: 3

Candidate Starts for Rana_65:

(1, 45295), (2, 45103), (Start: 3 @45046 has 12 MA's), (4, 44989), (5, 44944),

Gene: Sujidade_65 Start: 45552, Stop: 45268, Start Num: 3

Candidate Starts for Sujidade_65:

(1, 45801), (2, 45609), (Start: 3 @45552 has 12 MA's), (5, 45450),

Gene: Toma_65 Start: 45491, Stop: 45207, Start Num: 3

Candidate Starts for Toma_65:

(1, 45740), (2, 45548), (Start: 3 @45491 has 12 MA's), (5, 45389),

Gene: Zemlya_65 Start: 45171, Stop: 44911, Start Num: 3

Candidate Starts for Zemlya_65:
(Start: 3 @45171 has 12 MA's), (4, 45114), (5, 45069),