

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 299137 Report

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

Pham number 299137 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Towmatter_5
- Track 2 : SpeedDemon_70
- Track 3 : Bantam_6
- Track 4 : Daredevil_6
- Track 5 : Syleon_109
- Track 6 : Sephiroth_105, Kudrefre_108

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bantam_6, Daredevil_6, SpeedDemon_70, Towmatter_5,

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:

- Kudrefre_108, Sephiroth_105, Syleon_109,

Summary by start number:

Start 3:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bantam_6 (DL), Daredevil_6 (DL), SpeedDemon_70 (DL), Towmatter_5 (DL),

Start 4:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Kudrefre_108 (DU1), Sephiroth_105 (DU1), Syleon_109 (DU1),

Summary by clusters:

There are 2 clusters represented in this pham: DU1, DL,

Info for manual annotations of cluster DL:

- Start number 3 was manually annotated 4 times for cluster DL.

Info for manual annotations of cluster DU1:

- Start number 4 was manually annotated 3 times for cluster DU1.

Gene Information:

Gene: Bantam_6 Start: 4036, Stop: 4284, Start Num: 3

Candidate Starts for Bantam_6:

(Start: 3 @4036 has 4 MA's), (5, 4057), (6, 4111), (9, 4255),

Gene: Daredevil_6 Start: 1974, Stop: 2192, Start Num: 3

Candidate Starts for Daredevil_6:

(1, 1848), (2, 1926), (Start: 3 @1974 has 4 MA's), (6, 2043), (7, 2064), (10, 2169),

Gene: Kudrefre_108 Start: 60456, Stop: 60674, Start Num: 4

Candidate Starts for Kudrefre_108:

(Start: 4 @60456 has 3 MA's), (6, 60522), (8, 60609), (11, 60657),

Gene: Sephiroth_105 Start: 60407, Stop: 60625, Start Num: 4

Candidate Starts for Sephiroth_105:

(Start: 4 @60407 has 3 MA's), (6, 60473), (8, 60560), (11, 60608),

Gene: SpeedDemon_70 Start: 3978, Stop: 4226, Start Num: 3

Candidate Starts for SpeedDemon_70:

(2, 3930), (Start: 3 @3978 has 4 MA's), (5, 3999), (9, 4197),

Gene: Syleon_109 Start: 60996, Stop: 61214, Start Num: 4

Candidate Starts for Syleon_109:

(Start: 4 @60996 has 3 MA's), (6, 61062), (8, 61149), (11, 61197),

Gene: Towmatter_5 Start: 1797, Stop: 2015, Start Num: 3

Candidate Starts for Towmatter_5:

(Start: 3 @1797 has 4 MA's), (7, 1887), (10, 1992),