



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 107172 Report

This analysis was run 04/28/24 on database version 559.

Pham number 107172 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : BrutonGaster_134
- Track 2 : OneUp_139
- Track 3 : Octobien14_3
- Track 4 : Kudrefre_3
- Track 5 : Sephiroth_4, Syleon_4

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Kudrefre_3, Octobien14_3, Sephiroth_4, Syleon_4,

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:

- BrutonGaster_134, OneUp_139,

Summary by start number:

Start 4:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OneUp_139 (CQ2),

Start 5:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kudrefre_3 (DU1), Octobien14_3 (DU1), Sephiroth_4 (DU1), Syleon_4 (DU1),

Start 6:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrutonGaster_134 (CQ2),

Summary by clusters:

There are 2 clusters represented in this pham: CQ2, DU1,

Info for manual annotations of cluster CQ2:

- Start number 4 was manually annotated 1 time for cluster CQ2.
- Start number 6 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DU1:

- Start number 5 was manually annotated 4 times for cluster DU1.

Gene Information:

Gene: BrutonGaster_134 Start: 78409, Stop: 78242, Start Num: 6

Candidate Starts for BrutonGaster_134:

(1, 78583), (2, 78493), (3, 78475), (Start: 6 @78409 has 1 MA's),

Gene: Kudetre_3 Start: 845, Stop: 678, Start Num: 5

Candidate Starts for Kudetre_3:

(Start: 5 @845 has 4 MA's), (7, 791), (9, 716),

Gene: Octobien14_3 Start: 1218, Stop: 1051, Start Num: 5

Candidate Starts for Octobien14_3:

(Start: 5 @1218 has 4 MA's), (7, 1164), (8, 1092), (9, 1089),

Gene: OneUp_139 Start: 81959, Stop: 81786, Start Num: 4

Candidate Starts for OneUp_139:

(Start: 4 @81959 has 1 MA's),

Gene: Sephiroth_4 Start: 1018, Stop: 851, Start Num: 5

Candidate Starts for Sephiroth_4:

(Start: 5 @1018 has 4 MA's), (7, 964), (9, 889),

Gene: Syleon_4 Start: 937, Stop: 770, Start Num: 5

Candidate Starts for Syleon_4:

(Start: 5 @937 has 4 MA's), (7, 883), (9, 808),