



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 211481 Report

This analysis was run 02/22/25 on database version 588.

Pham number 211481 has 14 members, 2 are drafts.

Phages represented in each track:

- Track 1 : StrawberryJamm_67, Namago_63
- Track 2 : Kyva_65, Grassboy_65
- Track 3 : Zagie_63, SallyK_64
- Track 4 : Gazebo_61, Hyperion_62, Mashley_62
- Track 5 : Squash_65
- Track 6 : Tissue_63
- Track 7 : Lonelysoil_60
- Track 8 : Blab_60
- Track 9 : Judebell_63

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Blab_60, Gazebo_61, Grassboy_65, Hyperion_62, Judebell_63, Kyva_65, Lonelysoil_60, Mashley_62, Namago_63, SallyK_64, Squash_65, StrawberryJamm_67, Tissue_63, Zagie_63,

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 1:

- Found in 14 of 14 (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: Blab_60 (EG), Gazebo_61 (EG), Grassboy_65 (EG), Hyperion_62 (EG), Judebell_63 (EG), Kyva_65 (EG),

Lonelysoil_60 (EG), Mashley_62 (EG), Namago_63 (EG), SallyK_64 (EG), Squash_65 (EG), StrawberryJamm_67 (EG), Tissue_63 (EG), Zagie_63 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

•Start number 1 was manually annotated 12 times for cluster EG.

Gene Information:

Gene: Blab_60 Start: 44407, Stop: 44129, Start Num: 1

Candidate Starts for Blab_60:

(Start: 1 @44407 has 12 MA's), (3, 44329), (4, 44320), (5, 44248), (6, 44245), (7, 44212), (8, 44140),

Gene: Gazebo_61 Start: 44466, Stop: 44188, Start Num: 1

Candidate Starts for Gazebo_61:

(Start: 1 @44466 has 12 MA's), (3, 44388), (4, 44379), (5, 44307), (6, 44304), (7, 44271), (8, 44199),

Gene: Grassboy_65 Start: 44977, Stop: 44699, Start Num: 1

Candidate Starts for Grassboy_65:

(Start: 1 @44977 has 12 MA's), (3, 44899), (4, 44890), (5, 44818), (6, 44815), (8, 44710),

Gene: Hyperion_62 Start: 44640, Stop: 44362, Start Num: 1

Candidate Starts for Hyperion_62:

(Start: 1 @44640 has 12 MA's), (3, 44562), (4, 44553), (5, 44481), (6, 44478), (7, 44445), (8, 44373),

Gene: Judebell_63 Start: 44282, Stop: 44004, Start Num: 1

Candidate Starts for Judebell_63:

(Start: 1 @44282 has 12 MA's), (4, 44195), (5, 44123), (6, 44120), (8, 44015),

Gene: Kyva_65 Start: 45000, Stop: 44722, Start Num: 1

Candidate Starts for Kyva_65:

(Start: 1 @45000 has 12 MA's), (3, 44922), (4, 44913), (5, 44841), (6, 44838), (8, 44733),

Gene: Lonelysoil_60 Start: 43765, Stop: 43487, Start Num: 1

Candidate Starts for Lonelysoil_60:

(Start: 1 @43765 has 12 MA's), (3, 43687), (4, 43678), (5, 43606), (6, 43603), (8, 43498),

Gene: Mashley_62 Start: 44453, Stop: 44175, Start Num: 1

Candidate Starts for Mashley_62:

(Start: 1 @44453 has 12 MA's), (3, 44375), (4, 44366), (5, 44294), (6, 44291), (7, 44258), (8, 44186),

Gene: Namago_63 Start: 43907, Stop: 43629, Start Num: 1

Candidate Starts for Namago_63:

(Start: 1 @43907 has 12 MA's), (3, 43829), (4, 43820), (5, 43748), (6, 43745), (8, 43640),

Gene: SallyK_64 Start: 45160, Stop: 44882, Start Num: 1

Candidate Starts for SallyK_64:

(Start: 1 @45160 has 12 MA's), (2, 45112), (3, 45082), (4, 45073), (5, 45001), (6, 44998), (8, 44893),

Gene: Squash_65 Start: 45151, Stop: 44873, Start Num: 1

Candidate Starts for Squash_65:

(Start: 1 @45151 has 12 MA's), (3, 45073), (4, 45064), (5, 44992), (6, 44989), (8, 44884),

Gene: StrawberryJamm_67 Start: 44204, Stop: 43926, Start Num: 1

Candidate Starts for StrawberryJamm_67:

(Start: 1 @44204 has 12 MA's), (3, 44126), (4, 44117), (5, 44045), (6, 44042), (8, 43937),

Gene: Tissue_63 Start: 44849, Stop: 44571, Start Num: 1

Candidate Starts for Tissue_63:

(Start: 1 @44849 has 12 MA's), (3, 44771), (4, 44762), (5, 44690), (6, 44687), (7, 44654), (8, 44582),

Gene: Zagie_63 Start: 44436, Stop: 44158, Start Num: 1

Candidate Starts for Zagie_63:

(Start: 1 @44436 has 12 MA's), (2, 44388), (3, 44358), (4, 44349), (5, 44277), (6, 44274), (8, 44169),