



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 163114 Report

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

Pham number 163114 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : StrawberryJamm_73, Grassboy_72
- Track 2 : Rowlf_67, SallyK_70, Gazebo_68, AluminumJesus_65, Mashley_69
- Track 3 : Phinky_78
- Track 4 : Squash_70

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AluminumJesus_65, Gazebo_68, Grassboy_72, Mashley_69, Rowlf_67, SallyK_70, Squash_70, StrawberryJamm_73,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

- Phinky_78,

Summary by start number:

Start 1:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AluminumJesus_65 (EG), Gazebo_68 (EG), Grassboy_72 (EG), Mashley_69 (EG), Rowlf_67 (EG), SallyK_70 (EG), Squash_70 (EG), StrawberryJamm_73 (EG),

Start 2:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Phinky_78 (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 7 times for cluster EG.
- Start number 2 was manually annotated 1 time for cluster EG.

Gene Information:

Gene: AluminumJesus_65 Start: 44927, Stop: 44820, Start Num: 1

Candidate Starts for AluminumJesus_65:

(Start: 1 @44927 has 7 MA's), (3, 44903), (4, 44894), (5, 44873), (6, 44846),

Gene: Gazebo_68 Start: 45875, Stop: 45768, Start Num: 1

Candidate Starts for Gazebo_68:

(Start: 1 @45875 has 7 MA's), (3, 45851), (4, 45842), (5, 45821), (6, 45794),

Gene: Grassboy_72 Start: 46485, Stop: 46375, Start Num: 1

Candidate Starts for Grassboy_72:

(Start: 1 @46485 has 7 MA's), (3, 46458), (4, 46449), (6, 46401),

Gene: Mashley_69 Start: 45928, Stop: 45821, Start Num: 1

Candidate Starts for Mashley_69:

(Start: 1 @45928 has 7 MA's), (3, 45904), (4, 45895), (5, 45874), (6, 45847),

Gene: Phinky_78 Start: 48016, Stop: 47909, Start Num: 2

Candidate Starts for Phinky_78:

(Start: 2 @48016 has 1 MA's), (4, 47986),

Gene: Rowlf_67 Start: 45079, Stop: 44972, Start Num: 1

Candidate Starts for Rowlf_67:

(Start: 1 @45079 has 7 MA's), (3, 45055), (4, 45046), (5, 45025), (6, 44998),

Gene: SallyK_70 Start: 46611, Stop: 46504, Start Num: 1

Candidate Starts for SallyK_70:

(Start: 1 @46611 has 7 MA's), (3, 46587), (4, 46578), (5, 46557), (6, 46530),

Gene: Squash_70 Start: 46214, Stop: 46107, Start Num: 1

Candidate Starts for Squash_70:

(Start: 1 @46214 has 7 MA's), (3, 46190), (4, 46181), (6, 46133),

Gene: StrawberryJamm_73 Start: 45655, Stop: 45545, Start Num: 1

Candidate Starts for StrawberryJamm_73:

(Start: 1 @45655 has 7 MA's), (3, 45628), (4, 45619), (6, 45571),