



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 5470 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5470 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : NearlyHeadless_70, Dixon_69, Roary_71, Smeadley_70, Danforth_70, Expelliarmus_67
- Track 2 : Astro_70, Groundhog_69
- Track 3 : Stephig9_69
- Track 4 : Phillis_67
- Track 5 : Saintus_65

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Astro_70, Danforth_70, Dixon_69, Expelliarmus_67, Groundhog_69, NearlyHeadless_70, Phillis_67, Roary_71, Saintus_65, Smeadley_70, Stephig9_69,

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 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Astro_70 (A8), Danforth_70 (A8), Dixon_69 (A8), Expelliarmus_67 (A8), Groundhog_69 (A8), NearlyHeadless_70 (A8), Phillis_67 (A8), Roary_71 (A8), Saintus_65 (A8), Smeadley_70 (A8), Stephig9_69 (A8),

Summary by clusters:

There is one cluster represented in this pham: A8

Info for manual annotations of cluster A8:

- Start number 1 was manually annotated 11 times for cluster A8.

Gene Information:

Gene: Astro_70 Start: 40430, Stop: 40302, Start Num: 1

Candidate Starts for Astro_70:

(Start: 1 @40430 has 11 MA's), (2, 40409), (3, 40385), (4, 40370),

Gene: Danforth_70 Start: 40478, Stop: 40350, Start Num: 1

Candidate Starts for Danforth_70:

(Start: 1 @40478 has 11 MA's), (2, 40457), (3, 40433), (4, 40418),

Gene: Dixon_69 Start: 39998, Stop: 39870, Start Num: 1

Candidate Starts for Dixon_69:

(Start: 1 @39998 has 11 MA's), (2, 39977), (3, 39953), (4, 39938),

Gene: Expelliarmus_67 Start: 40202, Stop: 40074, Start Num: 1

Candidate Starts for Expelliarmus_67:

(Start: 1 @40202 has 11 MA's), (2, 40181), (3, 40157), (4, 40142),

Gene: Groundhog_69 Start: 40408, Stop: 40280, Start Num: 1

Candidate Starts for Groundhog_69:

(Start: 1 @40408 has 11 MA's), (2, 40387), (3, 40363), (4, 40348),

Gene: NearlyHeadless_70 Start: 40244, Stop: 40116, Start Num: 1

Candidate Starts for NearlyHeadless_70:

(Start: 1 @40244 has 11 MA's), (2, 40223), (3, 40199), (4, 40184),

Gene: Phillis_67 Start: 39698, Stop: 39570, Start Num: 1

Candidate Starts for Phillis_67:

(Start: 1 @39698 has 11 MA's), (4, 39638),

Gene: Roary_71 Start: 40463, Stop: 40335, Start Num: 1

Candidate Starts for Roary_71:

(Start: 1 @40463 has 11 MA's), (2, 40442), (3, 40418), (4, 40403),

Gene: Saintus_65 Start: 37128, Stop: 37000, Start Num: 1

Candidate Starts for Saintus_65:

(Start: 1 @37128 has 11 MA's), (3, 37083), (4, 37068),

Gene: Smeadley_70 Start: 40324, Stop: 40196, Start Num: 1

Candidate Starts for Smeadley_70:

(Start: 1 @40324 has 11 MA's), (2, 40303), (3, 40279), (4, 40264),

Gene: Stephig9_69 Start: 40261, Stop: 40133, Start Num: 1

Candidate Starts for Stephig9_69:

(Start: 1 @40261 has 11 MA's), (4, 40201),

