



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 216664 Report

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

Pham number 216664 has 15 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Wilkins_59, Topgun_59
- Track 2 : Arcanine_63, Rutherford_63, Slagathor_63, Smeagol_63, Manatee_61, Anglerfish_61
- Track 3 : KBG_61
- Track 4 : Monet_64, Rhynn_59, Treddle_62, ILeeKay_63
- Track 5 : Violet_59, Hami1_56

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

The start number called the most often in the published annotations is 4, it was called in 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anglerfish_61, Arcanine_63, Hami1_56, ILeeKay_63, Manatee_61, Monet_64, Rhynn_59, Rutherford_63, Slagathor_63, Smeagol_63, Topgun_59, Treddle_62, Violet_59, Wilkins_59,

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

- KBG_61,

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

-

Summary by start number:

Start 3:

- Found in 1 of 15 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: KBG_61 (A1),

Start 4:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 15

- Called 93.3% of time when present
- Phage (with cluster) where this start called: Anglerfish_61 (A1), Arcanine_63 (A1), Hami1_56 (A1), ILeeKay_63 (A1), Manatee_61 (A1), Monet_64 (A1), Rhynn_59 (A1), Rutherford_63 (A1), Slagathor_63 (A1), Smeagol_63 (A1), Topgun_59 (A1), Treddle_62 (A1), Violet_59 (A1), Wilkins_59 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 3 was manually annotated 1 time for cluster A1.
- Start number 4 was manually annotated 14 times for cluster A1.

Gene Information:

Gene: Anglerfish_61 Start: 41309, Stop: 41190, Start Num: 4

Candidate Starts for Anglerfish_61:

(Start: 4 @41309 has 14 MA's), (5, 41252),

Gene: Arcanine_63 Start: 42033, Stop: 41914, Start Num: 4

Candidate Starts for Arcanine_63:

(Start: 4 @42033 has 14 MA's), (5, 41976),

Gene: Hami1_56 Start: 36682, Stop: 36563, Start Num: 4

Candidate Starts for Hami1_56:

(Start: 4 @36682 has 14 MA's), (6, 36613),

Gene: ILeeKay_63 Start: 40898, Stop: 40779, Start Num: 4

Candidate Starts for ILeeKay_63:

(Start: 4 @40898 has 14 MA's),

Gene: KBG_61 Start: 42353, Stop: 42222, Start Num: 3

Candidate Starts for KBG_61:

(Start: 3 @42353 has 1 MA's), (Start: 4 @42341 has 14 MA's),

Gene: Manatee_61 Start: 40655, Stop: 40536, Start Num: 4

Candidate Starts for Manatee_61:

(Start: 4 @40655 has 14 MA's), (5, 40598),

Gene: Monet_64 Start: 42789, Stop: 42670, Start Num: 4

Candidate Starts for Monet_64:

(Start: 4 @42789 has 14 MA's),

Gene: Rhynn_59 Start: 40477, Stop: 40358, Start Num: 4

Candidate Starts for Rhynn_59:

(Start: 4 @40477 has 14 MA's),

Gene: Rutherford_63 Start: 42293, Stop: 42174, Start Num: 4

Candidate Starts for Rutherford_63:

(Start: 4 @42293 has 14 MA's), (5, 42236),

Gene: Slagathor_63 Start: 42929, Stop: 42810, Start Num: 4
Candidate Starts for Slagathor_63:
(Start: 4 @42929 has 14 MA's), (5, 42872),

Gene: Smeagol_63 Start: 42752, Stop: 42633, Start Num: 4
Candidate Starts for Smeagol_63:
(Start: 4 @42752 has 14 MA's), (5, 42695),

Gene: Topgun_59 Start: 39781, Stop: 39662, Start Num: 4
Candidate Starts for Topgun_59:
(1, 39820), (2, 39802), (Start: 4 @39781 has 14 MA's), (5, 39724),

Gene: Treddle_62 Start: 42301, Stop: 42182, Start Num: 4
Candidate Starts for Treddle_62:
(Start: 4 @42301 has 14 MA's),

Gene: Violet_59 Start: 42659, Stop: 42540, Start Num: 4
Candidate Starts for Violet_59:
(Start: 4 @42659 has 14 MA's), (6, 42590),

Gene: Wilkins_59 Start: 39711, Stop: 39592, Start Num: 4
Candidate Starts for Wilkins_59:
(1, 39750), (2, 39732), (Start: 4 @39711 has 14 MA's), (5, 39654),