



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 309635 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309635 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Weirdo19_83
- Track 2 : Nairb_46, Whitty_46, Ibrahim_47, RonRayGun_47
- Track 3 : Bernal13_47, ZenTime222_46
- Track 4 : Nette_48, Mendokysei_45
- Track 5 : Cracklewink_74
- Track 6 : Faiyaz_75, Hilltopfarm_74

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ibrahim_47, Mendokysei_45, Nairb_46, Nette_48, RonRayGun_47, Whitty_46,

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

- Bernal13_47, ZenTime222_46,

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

- Cracklewink_74, Faiyaz_75, Hilltopfarm_74, Weirdo19_83,

Summary by start number:

Start 4:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Faiyaz_75 (Y), Hilltopfarm_74 (Y), Weirdo19_83 (AH),

Start 5:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Cracklewink_74 (Y),

Start 6:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 5 of 10
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Ibrahim_47 (T), Mendokysei_45 (T), Nairb_46 (T), Nette_48 (T), RonRayGun_47 (T), Whitty_46 (T),

Start 7:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Bernal13_47 (T), ZenTime222_46 (T),

Summary by clusters:

There are 3 clusters represented in this pham: Y, AH, T,

Info for manual annotations of cluster T:

- Start number 6 was manually annotated 5 times for cluster T.
- Start number 7 was manually annotated 2 times for cluster T.

Info for manual annotations of cluster Y:

- Start number 4 was manually annotated 2 times for cluster Y.
- Start number 5 was manually annotated 1 time for cluster Y.

Gene Information:

Gene: Bernal13_47 Start: 34924, Stop: 35070, Start Num: 7

Candidate Starts for Bernal13_47:

(1, 34795), (2, 34840), (3, 34870), (Start: 6 @34921 has 5 MA's), (Start: 7 @34924 has 2 MA's), (10, 35050),

Gene: Cracklewink_74 Start: 49214, Stop: 49357, Start Num: 5

Candidate Starts for Cracklewink_74:

(Start: 5 @49214 has 1 MA's),

Gene: Faiyaz_75 Start: 50058, Stop: 50198, Start Num: 4

Candidate Starts for Faiyaz_75:

(Start: 4 @50058 has 2 MA's), (9, 50175),

Gene: Hilltopfarm_74 Start: 49758, Stop: 49898, Start Num: 4

Candidate Starts for Hilltopfarm_74:

(Start: 4 @49758 has 2 MA's), (9, 49875),

Gene: Ibrahim_47 Start: 35367, Stop: 35516, Start Num: 6

Candidate Starts for Ibrahim_47:

(1, 35241), (2, 35286), (3, 35316), (Start: 6 @35367 has 5 MA's), (Start: 7 @35370 has 2 MA's), (10, 35496),

Gene: Mendokysei_45 Start: 34470, Stop: 34619, Start Num: 6

Candidate Starts for Mendokysei_45:

(2, 34392), (3, 34422), (Start: 6 @34470 has 5 MA's), (Start: 7 @34473 has 2 MA's), (8, 34524), (10, 34599),

Gene: Nairb_46 Start: 34921, Stop: 35070, Start Num: 6

Candidate Starts for Nairb_46:

(1, 34795), (2, 34840), (3, 34870), (Start: 6 @34921 has 5 MA's), (Start: 7 @34924 has 2 MA's), (10, 35050),

Gene: Nette_48 Start: 34479, Stop: 34628, Start Num: 6

Candidate Starts for Nette_48:

(2, 34401), (3, 34431), (Start: 6 @34479 has 5 MA's), (Start: 7 @34482 has 2 MA's), (8, 34533), (10, 34608),

Gene: RonRayGun_47 Start: 35367, Stop: 35516, Start Num: 6

Candidate Starts for RonRayGun_47:

(1, 35241), (2, 35286), (3, 35316), (Start: 6 @35367 has 5 MA's), (Start: 7 @35370 has 2 MA's), (10, 35496),

Gene: Weirdo19_83 Start: 50420, Stop: 50572, Start Num: 4

Candidate Starts for Weirdo19_83:

(Start: 4 @50420 has 2 MA's),

Gene: Whitty_46 Start: 34922, Stop: 35071, Start Num: 6

Candidate Starts for Whitty_46:

(1, 34796), (2, 34841), (3, 34871), (Start: 6 @34922 has 5 MA's), (Start: 7 @34925 has 2 MA's), (10, 35051),

Gene: ZenTime222_46 Start: 34924, Stop: 35070, Start Num: 7

Candidate Starts for ZenTime222_46:

(1, 34795), (2, 34840), (3, 34870), (Start: 6 @34921 has 5 MA's), (Start: 7 @34924 has 2 MA's), (10, 35050),