



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 6929 Report

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

Pham number 6929 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : R4_43
- Track 2 : Pablito_42
- Track 3 : Paedore_42, ELB20_41, Loofah_43
- Track 4 : Triumph_44
- Track 5 : Superstar_46, Hank144_44
- Track 6 : Andris_42

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Andris_42, ELB20_41, Hank144_44, Loofah_43, Pablito_42, Paedore_42, R4_43, Superstar_46, Triumph_44,

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 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andris_42 (BD2), ELB20_41 (BD2), Hank144_44 (BD2), Loofah_43 (BD2), Pablito_42 (BD2), Paedore_42 (BD2), R4_43 (BD2), Superstar_46 (BD2), Triumph_44 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:

•Start number 1 was manually annotated 7 times for cluster BD2.

Gene Information:

Gene: Andris_42 Start: 29996, Stop: 30184, Start Num: 1

Candidate Starts for Andris_42:

(Start: 1 @29996 has 7 MA's), (3, 30056), (4, 30059), (6, 30179),

Gene: ELB20_41 Start: 30604, Stop: 30792, Start Num: 1

Candidate Starts for ELB20_41:

(Start: 1 @30604 has 7 MA's), (2, 30646), (3, 30664), (4, 30667), (6, 30787),

Gene: Hank144_44 Start: 30294, Stop: 30482, Start Num: 1

Candidate Starts for Hank144_44:

(Start: 1 @30294 has 7 MA's), (3, 30354), (5, 30465), (6, 30477),

Gene: Loofah_43 Start: 30474, Stop: 30662, Start Num: 1

Candidate Starts for Loofah_43:

(Start: 1 @30474 has 7 MA's), (2, 30516), (3, 30534), (4, 30537), (6, 30657),

Gene: Pablito_42 Start: 29860, Stop: 30048, Start Num: 1

Candidate Starts for Pablito_42:

(Start: 1 @29860 has 7 MA's), (3, 29920), (4, 29923), (5, 30031), (6, 30043),

Gene: Paedore_42 Start: 30459, Stop: 30647, Start Num: 1

Candidate Starts for Paedore_42:

(Start: 1 @30459 has 7 MA's), (2, 30501), (3, 30519), (4, 30522), (6, 30642),

Gene: R4_43 Start: 30614, Stop: 30802, Start Num: 1

Candidate Starts for R4_43:

(Start: 1 @30614 has 7 MA's), (2, 30656), (4, 30677), (6, 30797),

Gene: Superstar_46 Start: 31359, Stop: 31547, Start Num: 1

Candidate Starts for Superstar_46:

(Start: 1 @31359 has 7 MA's), (3, 31419), (5, 31530), (6, 31542),

Gene: Triumph_44 Start: 30213, Stop: 30401, Start Num: 1

Candidate Starts for Triumph_44:

(Start: 1 @30213 has 7 MA's), (2, 30255), (4, 30276), (5, 30384), (6, 30396),