



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 309854 Report

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

Pham number 309854 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Nebulanyx_22
- Track 2 : CheeseDanish_22, Corgi_22, Pauu_21, KNG13_22, LauKoruNamu_21, CabbageMan_20
- Track 3 : Wobbe_22
- Track 4 : Noely_20
- Track 5 : WorldChangers_21

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CabbageMan_20, CheeseDanish_22, Corgi_22, KNG13_22, LauKoruNamu_21, Pauu_21, Wobbe_22,

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

- Nebulanyx_22,

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

- Noely_20, WorldChangers_21,

Summary by start number:

Start 1:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Nebulanyx_22 (FE), Noely_20 (FE),

Start 2:

- Found in 8 of 10 (80.0%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 87.5% of time when present

- Phage (with cluster) where this start called: CabbageMan_20 (FE), CheeseDanish_22 (FE), Corgi_22 (FE), KNG13_22 (FE), LauKoruNamu_21 (FE), Pauu_21 (FE), Wobbe_22 (FE),

Start 3:

- Found in 10 of 10 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 10.0% of time when present
- Phage (with cluster) where this start called: WorldChangers_21 (FE),

Summary by clusters:

There is one cluster represented in this pham: FE

Info for manual annotations of cluster FE:

- Start number 1 was manually annotated 1 time for cluster FE.
- Start number 2 was manually annotated 6 times for cluster FE.

Gene Information:

Gene: CabbageMan_20 Start: 14431, Stop: 14682, Start Num: 2

Candidate Starts for CabbageMan_20:

(Start: 1 @14428 has 1 MA's), (Start: 2 @14431 has 6 MA's), (3, 14497), (4, 14572),

Gene: CheeseDanish_22 Start: 14590, Stop: 14841, Start Num: 2

Candidate Starts for CheeseDanish_22:

(Start: 1 @14587 has 1 MA's), (Start: 2 @14590 has 6 MA's), (3, 14656), (4, 14731),

Gene: Corgi_22 Start: 14590, Stop: 14841, Start Num: 2

Candidate Starts for Corgi_22:

(Start: 1 @14587 has 1 MA's), (Start: 2 @14590 has 6 MA's), (3, 14656), (4, 14731),

Gene: KNG13_22 Start: 14587, Stop: 14838, Start Num: 2

Candidate Starts for KNG13_22:

(Start: 1 @14584 has 1 MA's), (Start: 2 @14587 has 6 MA's), (3, 14653), (4, 14728),

Gene: LauKoruNamu_21 Start: 14431, Stop: 14682, Start Num: 2

Candidate Starts for LauKoruNamu_21:

(Start: 1 @14428 has 1 MA's), (Start: 2 @14431 has 6 MA's), (3, 14497), (4, 14572),

Gene: Nebulanyx_22 Start: 14584, Stop: 14838, Start Num: 1

Candidate Starts for Nebulanyx_22:

(Start: 1 @14584 has 1 MA's), (Start: 2 @14587 has 6 MA's), (3, 14653), (4, 14728),

Gene: Noely_20 Start: 13942, Stop: 14196, Start Num: 1

Candidate Starts for Noely_20:

(Start: 1 @13942 has 1 MA's), (3, 14011), (6, 14113),

Gene: Pauu_21 Start: 14431, Stop: 14682, Start Num: 2

Candidate Starts for Pauu_21:

(Start: 1 @14428 has 1 MA's), (Start: 2 @14431 has 6 MA's), (3, 14497), (4, 14572),

Gene: Wobbe_22 Start: 14409, Stop: 14660, Start Num: 2

Candidate Starts for Wobbe_22:

(Start: 1 @14406 has 1 MA's), (Start: 2 @14409 has 6 MA's), (3, 14475), (4, 14550),

Gene: WorldChangers_21 Start: 14267, Stop: 14452, Start Num: 3

Candidate Starts for WorldChangers_21:

(Start: 1 @14201 has 1 MA's), (3, 14267), (5, 14357), (6, 14369), (7, 14426),