



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 28123 Report

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

Pham number 28123 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : TaidaOne_64, Indigenous_64, Hoshi_63, FidgetOrca_64
- Track 2 : GirlPower_57
- Track 3 : OlympicHelado_64

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- FidgetOrca_64, GirlPower_57, Hoshi_63, Indigenous_64, TaidaOne_64,

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

- OlympicHelado_64,

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

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Summary by start number:

Start 5:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 20.0% of time when present
- Phage (with cluster) where this start called: OlympicHelado_64 (BI1),

Start 6:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 83.3% of time when present
- Phage (with cluster) where this start called: FidgetOrca_64 (BI1), GirlPower_57 (BI1), Hoshi_63 (BI1), Indigenous_64 (BI1), TaidaOne_64 (BI1),

Summary by clusters:

There is one cluster represented in this pham: B11

Info for manual annotations of cluster B11:

- Start number 5 was manually annotated 1 time for cluster B11.
- Start number 6 was manually annotated 5 times for cluster B11.

Gene Information:

Gene: FidgetOrca_64 Start: 42862, Stop: 43071, Start Num: 6

Candidate Starts for FidgetOrca_64:

(1, 42736), (3, 42814), (4, 42832), (Start: 5 @42841 has 1 MA's), (Start: 6 @42862 has 5 MA's), (7, 42886), (8, 42904), (9, 43000),

Gene: GirlPower_57 Start: 42721, Stop: 42933, Start Num: 6

Candidate Starts for GirlPower_57:

(2, 42664), (Start: 6 @42721 has 5 MA's), (8, 42763), (9, 42859),

Gene: Hoshi_63 Start: 42469, Stop: 42678, Start Num: 6

Candidate Starts for Hoshi_63:

(1, 42343), (3, 42421), (4, 42439), (Start: 5 @42448 has 1 MA's), (Start: 6 @42469 has 5 MA's), (7, 42493), (8, 42511), (9, 42607),

Gene: Indigenous_64 Start: 42866, Stop: 43075, Start Num: 6

Candidate Starts for Indigenous_64:

(1, 42740), (3, 42818), (4, 42836), (Start: 5 @42845 has 1 MA's), (Start: 6 @42866 has 5 MA's), (7, 42890), (8, 42908), (9, 43004),

Gene: OlympicHelado_64 Start: 42908, Stop: 43138, Start Num: 5

Candidate Starts for OlympicHelado_64:

(1, 42803), (4, 42899), (Start: 5 @42908 has 1 MA's), (Start: 6 @42929 has 5 MA's), (7, 42953), (8, 42971), (9, 43067),

Gene: TaidaOne_64 Start: 43375, Stop: 43584, Start Num: 6

Candidate Starts for TaidaOne_64:

(1, 43249), (3, 43327), (4, 43345), (Start: 5 @43354 has 1 MA's), (Start: 6 @43375 has 5 MA's), (7, 43399), (8, 43417), (9, 43513),