



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 7306 Report

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

Pham number 7306 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ryadel_116
- Track 2 : Familton_112, Idergollasper_114, JangDynasty_108, Blessica_110, SchoolBus_111

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Blessica_110, Familton_112, Idergollasper_114, JangDynasty_108, SchoolBus_111,

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

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

- Ryadel_116,

Summary by start number:

Start 2:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Blessica_110 (O), Familton_112 (O), Idergollasper_114 (O), JangDynasty_108 (O), SchoolBus_111 (O),

Start 5:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Ryadel_116 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:

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

Gene Information:

Gene: Blessica_110 Start: 65684, Stop: 65475, Start Num: 2

Candidate Starts for Blessica_110:

(1, 65687), (Start: 2 @65684 has 5 MA's), (3, 65678), (4, 65660), (Start: 5 @65657 has 1 MA's), (6, 65576), (7, 65561),

Gene: Familton_112 Start: 66048, Stop: 65839, Start Num: 2

Candidate Starts for Familton_112:

(1, 66051), (Start: 2 @66048 has 5 MA's), (3, 66042), (4, 66024), (Start: 5 @66021 has 1 MA's), (6, 65940), (7, 65925),

Gene: Idergollasper_114 Start: 66759, Stop: 66550, Start Num: 2

Candidate Starts for Idergollasper_114:

(1, 66762), (Start: 2 @66759 has 5 MA's), (3, 66753), (4, 66735), (Start: 5 @66732 has 1 MA's), (6, 66651), (7, 66636),

Gene: JangDynasty_108 Start: 65109, Stop: 64900, Start Num: 2

Candidate Starts for JangDynasty_108:

(1, 65112), (Start: 2 @65109 has 5 MA's), (3, 65103), (4, 65085), (Start: 5 @65082 has 1 MA's), (6, 65001), (7, 64986),

Gene: Ryadel_116 Start: 67148, Stop: 66966, Start Num: 5

Candidate Starts for Ryadel_116:

(4, 67151), (Start: 5 @67148 has 1 MA's), (6, 67067), (7, 67052),

Gene: SchoolBus_111 Start: 65924, Stop: 65715, Start Num: 2

Candidate Starts for SchoolBus_111:

(1, 65927), (Start: 2 @65924 has 5 MA's), (3, 65918), (4, 65900), (Start: 5 @65897 has 1 MA's), (6, 65816), (7, 65801),