



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 6851 Report

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

Pham number 6851 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : HumptyDumpty_98, PrincessTrina_99
- Track 2 : EdgarPoe_98
- Track 3 : MoyaNatalis_98, JayCookie_99, Conboy_97
- Track 4 : Lymara_95

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Conboy_97, JayCookie_99, Lymara_95, MoyaNatalis_98,

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:

- EdgarPoe_98, HumptyDumpty_98, PrincessTrina_99,

Summary by start number:

Start 5:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 33.3% of time when present
- Phage (with cluster) where this start called: HumptyDumpty_98 (AR), PrincessTrina_99 (AR),

Start 7:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Conboy_97 (AR), JayCookie_99 (AR), Lymara_95 (AR), MoyaNatalis_98 (AR),

Start 8:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 33.3% of time when present
- Phage (with cluster) where this start called: EdgarPoe_98 (AR),

Summary by clusters:

There is one cluster represented in this pham: AR

Info for manual annotations of cluster AR:

- Start number 5 was manually annotated 2 times for cluster AR.
- Start number 7 was manually annotated 3 times for cluster AR.
- Start number 8 was manually annotated 1 time for cluster AR.

Gene Information:

Gene: Conboy_97 Start: 63047, Stop: 63280, Start Num: 7

Candidate Starts for Conboy_97:

(4, 62993), (Start: 5 @63014 has 2 MA's), (Start: 7 @63047 has 3 MA's), (10, 63167), (11, 63197),

Gene: EdgarPoe_98 Start: 63257, Stop: 63484, Start Num: 8

Candidate Starts for EdgarPoe_98:

(1, 63134), (2, 63170), (3, 63191), (Start: 5 @63221 has 2 MA's), (6, 63224), (Start: 8 @63257 has 1 MA's), (9, 63272), (10, 63371), (11, 63401),

Gene: HumptyDumpty_98 Start: 63024, Stop: 63287, Start Num: 5

Candidate Starts for HumptyDumpty_98:

(1, 62937), (2, 62973), (3, 62994), (Start: 5 @63024 has 2 MA's), (6, 63027), (Start: 8 @63060 has 1 MA's), (9, 63075), (10, 63174), (11, 63204),

Gene: JayCookie_99 Start: 63791, Stop: 64024, Start Num: 7

Candidate Starts for JayCookie_99:

(4, 63737), (Start: 5 @63758 has 2 MA's), (Start: 7 @63791 has 3 MA's), (10, 63911), (11, 63941),

Gene: Lymara_95 Start: 61835, Stop: 62065, Start Num: 7

Candidate Starts for Lymara_95:

(Start: 7 @61835 has 3 MA's),

Gene: MoyaNatalis_98 Start: 63237, Stop: 63470, Start Num: 7

Candidate Starts for MoyaNatalis_98:

(4, 63183), (Start: 5 @63204 has 2 MA's), (Start: 7 @63237 has 3 MA's), (10, 63357), (11, 63387),

Gene: PrincessTrina_99 Start: 63311, Stop: 63574, Start Num: 5

Candidate Starts for PrincessTrina_99:

(1, 63224), (2, 63260), (3, 63281), (Start: 5 @63311 has 2 MA's), (6, 63314), (Start: 8 @63347 has 1 MA's), (9, 63362), (10, 63461), (11, 63491),