



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 6666 Report

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

Pham number 6666 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : InvictusManeo_74, Agent47_74
- Track 2 : Gengar_78, Thyatira_79, Waterfoul_78
- Track 3 : Leston_78, Guillsminger_79, Paola_78
- Track 4 : Collard_74

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agent47_74, Collard_74, Gengar_78, Guillsminger_79, InvictusManeo_74, Leston_78, Paola_78, Thyatira_79, Waterfoul_78,

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 6:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agent47_74 (K5), Collard_74 (K5), Gengar_78 (K5), Guillsminger_79 (K5), InvictusManeo_74 (K5), Leston_78 (K5), Paola_78 (K5), Thyatira_79 (K5), Waterfoul_78 (K5),

Summary by clusters:

There is one cluster represented in this pham: K5

Info for manual annotations of cluster K5:

- Start number 6 was manually annotated 8 times for cluster K5.

Gene Information:

Gene: Agent47_74 Start: 50569, Stop: 51162, Start Num: 6

Candidate Starts for Agent47_74:

(1, 50458), (2, 50485), (4, 50521), (Start: 6 @50569 has 8 MA's), (7, 50656), (8, 50827), (9, 50872), (10, 50902), (13, 51082), (14, 51106),

Gene: Collard_74 Start: 50533, Stop: 51126, Start Num: 6

Candidate Starts for Collard_74:

(5, 50485), (Start: 6 @50533 has 8 MA's), (7, 50620), (8, 50791), (12, 51034), (13, 51046), (14, 51070),

Gene: Gengar_78 Start: 53045, Stop: 53638, Start Num: 6

Candidate Starts for Gengar_78:

(3, 52973), (Start: 6 @53045 has 8 MA's), (7, 53132), (8, 53303), (9, 53348), (10, 53378), (11, 53528), (13, 53558), (14, 53582),

Gene: Guillsminger_79 Start: 52893, Stop: 53486, Start Num: 6

Candidate Starts for Guillsminger_79:

(3, 52821), (Start: 6 @52893 has 8 MA's), (7, 52980), (8, 53151), (9, 53196), (10, 53226), (13, 53406), (14, 53430),

Gene: InvictusManeo_74 Start: 50573, Stop: 51166, Start Num: 6

Candidate Starts for InvictusManeo_74:

(1, 50462), (2, 50489), (4, 50525), (Start: 6 @50573 has 8 MA's), (7, 50660), (8, 50831), (9, 50876), (10, 50906), (13, 51086), (14, 51110),

Gene: Leston_78 Start: 53010, Stop: 53603, Start Num: 6

Candidate Starts for Leston_78:

(3, 52938), (Start: 6 @53010 has 8 MA's), (7, 53097), (8, 53268), (9, 53313), (10, 53343), (13, 53523), (14, 53547),

Gene: Paola_78 Start: 52893, Stop: 53486, Start Num: 6

Candidate Starts for Paola_78:

(3, 52821), (Start: 6 @52893 has 8 MA's), (7, 52980), (8, 53151), (9, 53196), (10, 53226), (13, 53406), (14, 53430),

Gene: Thyatira_79 Start: 54605, Stop: 55198, Start Num: 6

Candidate Starts for Thyatira_79:

(3, 54533), (Start: 6 @54605 has 8 MA's), (7, 54692), (8, 54863), (9, 54908), (10, 54938), (11, 55088), (13, 55118), (14, 55142),

Gene: Waterfoul_78 Start: 52675, Stop: 53268, Start Num: 6

Candidate Starts for Waterfoul_78:

(3, 52603), (Start: 6 @52675 has 8 MA's), (7, 52762), (8, 52933), (9, 52978), (10, 53008), (11, 53158), (13, 53188), (14, 53212),