



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 6649 Report

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

Pham number 6649 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : PR_46, Megabear_46, D12_45
- Track 2 : Cepens_46, GodPhather_47, Argie_47
- Track 3 : Jeon_46, Taptic_46

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- D12_45, Jeon_46, Megabear_46, PR_46, Taptic_46,

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

- Argie_47, Cepens_46, GodPhather_47,

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

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Summary by start number:

Start 3:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 37.5% of time when present
- Phage (with cluster) where this start called: Argie_47 (W), Cepens_46 (W), GodPhather_47 (W),

Start 4:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 62.5% of time when present
- Phage (with cluster) where this start called: D12_45 (W), Jeon_46 (W), Megabear_46 (W), PR_46 (W), Taptic_46 (W),

Summary by clusters:

There is one cluster represented in this pham: W

Info for manual annotations of cluster W:

- Start number 3 was manually annotated 3 times for cluster W.
- Start number 4 was manually annotated 5 times for cluster W.

Gene Information:

Gene: Argie_47 Start: 41303, Stop: 41503, Start Num: 3

Candidate Starts for Argie_47:

(1, 41015), (2, 41102), (Start: 3 @41303 has 3 MA's), (Start: 4 @41318 has 5 MA's), (5, 41363), (6, 41369), (7, 41441), (8, 41492),

Gene: Cepens_46 Start: 41018, Stop: 41218, Start Num: 3

Candidate Starts for Cepens_46:

(1, 40730), (2, 40817), (Start: 3 @41018 has 3 MA's), (Start: 4 @41033 has 5 MA's), (5, 41078), (6, 41084), (7, 41156), (8, 41207),

Gene: D12_45 Start: 41581, Stop: 41766, Start Num: 4

Candidate Starts for D12_45:

(1, 41278), (2, 41365), (Start: 3 @41566 has 3 MA's), (Start: 4 @41581 has 5 MA's), (5, 41626), (6, 41632), (7, 41704), (8, 41755),

Gene: GodPhather_47 Start: 41782, Stop: 41982, Start Num: 3

Candidate Starts for GodPhather_47:

(1, 41494), (2, 41581), (Start: 3 @41782 has 3 MA's), (Start: 4 @41797 has 5 MA's), (5, 41842), (6, 41848), (7, 41920), (8, 41971),

Gene: Jeon_46 Start: 41539, Stop: 41724, Start Num: 4

Candidate Starts for Jeon_46:

(1, 41236), (2, 41323), (Start: 3 @41524 has 3 MA's), (Start: 4 @41539 has 5 MA's), (5, 41584), (6, 41590), (7, 41662), (8, 41713),

Gene: Megabear_46 Start: 40954, Stop: 41139, Start Num: 4

Candidate Starts for Megabear_46:

(1, 40651), (2, 40738), (Start: 3 @40939 has 3 MA's), (Start: 4 @40954 has 5 MA's), (5, 40999), (6, 41005), (7, 41077), (8, 41128),

Gene: PR_46 Start: 41558, Stop: 41743, Start Num: 4

Candidate Starts for PR_46:

(1, 41255), (2, 41342), (Start: 3 @41543 has 3 MA's), (Start: 4 @41558 has 5 MA's), (5, 41603), (6, 41609), (7, 41681), (8, 41732),

Gene: Taptic_46 Start: 40954, Stop: 41139, Start Num: 4

Candidate Starts for Taptic_46:

(1, 40651), (2, 40738), (Start: 3 @40939 has 3 MA's), (Start: 4 @40954 has 5 MA's), (5, 40999), (6, 41005), (7, 41077), (8, 41128),