



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 200838 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200838 has 10 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Vopal_94, Raphaella_93
- Track 2 : YoungHarleezy_92, Windest_97
- Track 3 : Anekin_92
- Track 4 : AdaS_90, Gorpy_90, Sakai_89
- Track 5 : Jinkies_5
- Track 6 : Hum25_83

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AdaS_90, Gorpy_90, Hum25_83, Jinkies_5, Raphaella_93, Sakai_89, Vopal_94, Windest_97, YoungHarleezy_92,

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

- Anekin_92,

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

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Summary by start number:

Start 8:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anekin_92 (AY),

Start 9:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 90.0% of time when present

- Phage (with cluster) where this start called: AdaS_90 (AY), Gorpy_90 (AY), Hum25_83 (FQ), Jinkies_5 (FL), Raphaella_93 (AY), Sakai_89 (AY), Vopal_94 (AY), Windest_97 (AY), YoungHarleezy_92 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FQ, FL,

Info for manual annotations of cluster AY:

- Start number 8 was manually annotated 1 time for cluster AY.
- Start number 9 was manually annotated 3 times for cluster AY.

Info for manual annotations of cluster FL:

- Start number 9 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster FQ:

- Start number 9 was manually annotated 1 time for cluster FQ.

Gene Information:

Gene: AdaS_90 Start: 49608, Stop: 49745, Start Num: 9

Candidate Starts for AdaS_90:

(7, 49536), (Start: 9 @49608 has 5 MA's),

Gene: Anekin_92 Start: 51650, Stop: 51826, Start Num: 8

Candidate Starts for Anekin_92:

(Start: 8 @51650 has 1 MA's), (Start: 9 @51689 has 5 MA's),

Gene: Gorpy_90 Start: 52455, Stop: 52592, Start Num: 9

Candidate Starts for Gorpy_90:

(7, 52383), (Start: 9 @52455 has 5 MA's),

Gene: Hum25_83 Start: 41713, Stop: 41844, Start Num: 9

Candidate Starts for Hum25_83:

(Start: 9 @41713 has 5 MA's), (10, 41749),

Gene: Jinkies_5 Start: 4534, Stop: 4686, Start Num: 9

Candidate Starts for Jinkies_5:

(Start: 9 @4534 has 5 MA's), (10, 4570), (11, 4666),

Gene: Raphaella_93 Start: 50587, Stop: 50724, Start Num: 9

Candidate Starts for Raphaella_93:

(1, 49996), (2, 50014), (3, 50059), (4, 50200), (5, 50410), (6, 50422), (7, 50515), (Start: 9 @50587 has 5 MA's),

Gene: Sakai_89 Start: 51166, Stop: 51303, Start Num: 9

Candidate Starts for Sakai_89:

(7, 51094), (Start: 9 @51166 has 5 MA's),

Gene: Vopal_94 Start: 52653, Stop: 52790, Start Num: 9

Candidate Starts for Vopal_94:

(1, 52062), (2, 52080), (3, 52125), (4, 52266), (5, 52476), (6, 52488), (7, 52581), (Start: 9 @52653 has 5 MA's),

Gene: Windest_97 Start: 50675, Stop: 50812, Start Num: 9

Candidate Starts for Windest_97:

(5, 50498), (6, 50510), (7, 50603), (Start: 9 @50675 has 5 MA's),

Gene: YoungHarleezy_92 Start: 51908, Stop: 52045, Start Num: 9

Candidate Starts for YoungHarleezy_92:

(5, 51731), (6, 51743), (7, 51836), (Start: 9 @51908 has 5 MA's),