



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 222188 Report

This analysis was run 03/28/25 on database version 593.

Pham number 222188 has 6 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Douzhi_93, PYPDinur_93, BrainDrainer_94
- Track 2 : Douge_93
- Track 3 : Chaser_91
- Track 4 : Sheng711_94

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chaser_91, Douge_93,

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

- BrainDrainer_94, Douzhi_93, PYPDinur_93, Sheng711_94,

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

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Summary by start number:

Start 1:

- Found in 5 of 6 (83.3%) of genes in pham
- No Manual Annotations of this start.
- Called 80.0% of time when present
- Phage (with cluster) where this start called: BrainDrainer_94 (L4), Douzhi_93 (L4), PYPDinur_93 (L4), Sheng711_94 (L4),

Start 2:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Chaser_91 (L4), Douge_93 (L4),

Summary by clusters:

There is one cluster represented in this pham: L4

Info for manual annotations of cluster L4:

•Start number 2 was manually annotated 2 times for cluster L4.

Gene Information:

Gene: BrainDrainer_94 Start: 58704, Stop: 58826, Start Num: 1

Candidate Starts for BrainDrainer_94:

(1, 58704), (Start: 2 @58728 has 2 MA's), (3, 58755), (4, 58773),

Gene: Chaser_91 Start: 57874, Stop: 57972, Start Num: 2

Candidate Starts for Chaser_91:

(Start: 2 @57874 has 2 MA's), (3, 57901), (4, 57919),

Gene: Douge_93 Start: 58145, Stop: 58243, Start Num: 2

Candidate Starts for Douge_93:

(1, 58121), (Start: 2 @58145 has 2 MA's), (3, 58172), (4, 58190),

Gene: Douzhi_93 Start: 58393, Stop: 58515, Start Num: 1

Candidate Starts for Douzhi_93:

(1, 58393), (Start: 2 @58417 has 2 MA's), (3, 58444), (4, 58462),

Gene: PYPDinur_93 Start: 58956, Stop: 59078, Start Num: 1

Candidate Starts for PYPDinur_93:

(1, 58956), (Start: 2 @58980 has 2 MA's), (3, 59007), (4, 59025),

Gene: Sheng711_94 Start: 58432, Stop: 58554, Start Num: 1

Candidate Starts for Sheng711_94:

(1, 58432), (Start: 2 @58456 has 2 MA's), (3, 58483), (4, 58501),