



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 87904 Report

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

Pham number 87904 has 8 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Jollison_75, Battuta_68
- Track 2 : Starbow_68, Bordeaux_68, KentuckyRacer_74, Gibbi_74, Wipeout_68
- Track 3 : CeilingFan_72

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

The start number called the most often in the published annotations is 3, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bordeaux_68, CeilingFan_72, Gibbi_74, KentuckyRacer_74, Starbow_68, Wipeout_68,

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

- Battuta_68, Jollison_75,

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 4
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Bordeaux_68 (BE2), CeilingFan_72 (BE2), Gibbi_74 (BE2), KentuckyRacer_74 (BE2), Starbow_68 (BE2), Wipeout_68 (BE2),

Start 5:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Battuta_68 (BE2), Jollison_75 (BE2),

Summary by clusters:

There is one cluster represented in this pham: BE2

Info for manual annotations of cluster BE2:

- Start number 3 was manually annotated 3 times for cluster BE2.
- Start number 5 was manually annotated 1 time for cluster BE2.

Gene Information:

Gene: Battuta_68 Start: 52116, Stop: 52250, Start Num: 5

Candidate Starts for Battuta_68:

(1, 51966), (2, 52005), (Start: 3 @52089 has 3 MA's), (4, 52092), (Start: 5 @52116 has 1 MA's), (7, 52179), (8, 52236),

Gene: Bordeaux_68 Start: 52244, Stop: 52405, Start Num: 3

Candidate Starts for Bordeaux_68:

(1, 52121), (2, 52160), (Start: 3 @52244 has 3 MA's), (4, 52247), (Start: 5 @52271 has 1 MA's), (7, 52334), (8, 52391),

Gene: CeilingFan_72 Start: 52004, Stop: 52165, Start Num: 3

Candidate Starts for CeilingFan_72:

(1, 51881), (2, 51920), (Start: 3 @52004 has 3 MA's), (4, 52007), (Start: 5 @52031 has 1 MA's), (6, 52052), (7, 52094), (8, 52151),

Gene: Gibbi_74 Start: 52227, Stop: 52388, Start Num: 3

Candidate Starts for Gibbi_74:

(1, 52104), (2, 52143), (Start: 3 @52227 has 3 MA's), (4, 52230), (Start: 5 @52254 has 1 MA's), (7, 52317), (8, 52374),

Gene: Jollison_75 Start: 52099, Stop: 52233, Start Num: 5

Candidate Starts for Jollison_75:

(1, 51949), (2, 51988), (Start: 3 @52072 has 3 MA's), (4, 52075), (Start: 5 @52099 has 1 MA's), (7, 52162), (8, 52219),

Gene: KentuckyRacer_74 Start: 52005, Stop: 52166, Start Num: 3

Candidate Starts for KentuckyRacer_74:

(1, 51882), (2, 51921), (Start: 3 @52005 has 3 MA's), (4, 52008), (Start: 5 @52032 has 1 MA's), (7, 52095), (8, 52152),

Gene: Starbow_68 Start: 52091, Stop: 52252, Start Num: 3

Candidate Starts for Starbow_68:

(1, 51968), (2, 52007), (Start: 3 @52091 has 3 MA's), (4, 52094), (Start: 5 @52118 has 1 MA's), (7, 52181), (8, 52238),

Gene: Wipeout_68 Start: 52460, Stop: 52621, Start Num: 3

Candidate Starts for Wipeout_68:

(1, 52337), (2, 52376), (Start: 3 @52460 has 3 MA's), (4, 52463), (Start: 5 @52487 has 1 MA's), (7, 52550), (8, 52607),