



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 194579 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194579 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : CeilingFan_148, Bordeaux_141, Starbow_140, Battuta_141, Spelly_144, TomSawyer_143, Gibbi_148
- Track 2 : Mugiwara_148
- Track 3 : StarPlatinum_145

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Battuta_141, Bordeaux_141, CeilingFan_148, Gibbi_148, Mugiwara_148, Spelly_144, StarPlatinum_145, Starbow_140, TomSawyer_143,

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 3:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Battuta_141 (BE2), Bordeaux_141 (BE2), CeilingFan_148 (BE2), Gibbi_148 (BE2), Mugiwara_148 (BE2), Spelly_144 (BE2), StarPlatinum_145 (BE2), Starbow_140 (BE2), TomSawyer_143 (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 6 times for cluster BE2.

Gene Information:

Gene: Battuta_141 Start: 85461, Stop: 85616, Start Num: 3

Candidate Starts for Battuta_141:

(1, 85368), (2, 85410), (Start: 3 @85461 has 6 MA's), (4, 85497), (5, 85509), (6, 85521), (7, 85530),

Gene: Bordeaux_141 Start: 85616, Stop: 85771, Start Num: 3

Candidate Starts for Bordeaux_141:

(1, 85523), (2, 85565), (Start: 3 @85616 has 6 MA's), (4, 85652), (5, 85664), (6, 85676), (7, 85685),

Gene: CeilingFan_148 Start: 85379, Stop: 85534, Start Num: 3

Candidate Starts for CeilingFan_148:

(1, 85286), (2, 85328), (Start: 3 @85379 has 6 MA's), (4, 85415), (5, 85427), (6, 85439), (7, 85448),

Gene: Gibbi_148 Start: 85600, Stop: 85755, Start Num: 3

Candidate Starts for Gibbi_148:

(1, 85507), (2, 85549), (Start: 3 @85600 has 6 MA's), (4, 85636), (5, 85648), (6, 85660), (7, 85669),

Gene: Mugiwara_148 Start: 86337, Stop: 86492, Start Num: 3

Candidate Starts for Mugiwara_148:

(1, 86241), (2, 86286), (Start: 3 @86337 has 6 MA's), (4, 86373), (6, 86397),

Gene: Spelly_144 Start: 85443, Stop: 85598, Start Num: 3

Candidate Starts for Spelly_144:

(1, 85350), (2, 85392), (Start: 3 @85443 has 6 MA's), (4, 85479), (5, 85491), (6, 85503), (7, 85512),

Gene: StarPlatinum_145 Start: 86955, Stop: 87110, Start Num: 3

Candidate Starts for StarPlatinum_145:

(1, 86862), (2, 86904), (Start: 3 @86955 has 6 MA's), (4, 86991), (6, 87015),

Gene: Starbow_140 Start: 85463, Stop: 85618, Start Num: 3

Candidate Starts for Starbow_140:

(1, 85370), (2, 85412), (Start: 3 @85463 has 6 MA's), (4, 85499), (5, 85511), (6, 85523), (7, 85532),

Gene: TomSawyer_143 Start: 85509, Stop: 85664, Start Num: 3

Candidate Starts for TomSawyer_143:

(1, 85416), (2, 85458), (Start: 3 @85509 has 6 MA's), (4, 85545), (5, 85557), (6, 85569), (7, 85578),