



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 291835 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291835 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : PaintedDog_43
- Track 2 : QueenHazel_34, Xula_33
- Track 3 : Island3_38, Brujita_38
- Track 4 : Babsiella_39, HC_37

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Babsiella_39, Brujita_38, HC_37, Island3_38, PaintedDog_43, QueenHazel_34, Xula_33,

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 1:

- Found in 7 of 7 (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: Babsiella_39 (I1), Brujita_38 (I1), HC_37 (I1), Island3_38 (I1), PaintedDog_43 (I1), QueenHazel_34 (I1), Xula_33 (I1),

Summary by clusters:

There is one cluster represented in this pham: I1

Info for manual annotations of cluster I1:

- Start number 1 was manually annotated 6 times for cluster I1.

Gene Information:

Gene: Babsiella_39 Start: 30203, Stop: 30715, Start Num: 1

Candidate Starts for Babsiella_39:

(Start: 1 @30203 has 6 MA's), (2, 30323), (3, 30395), (4, 30404), (5, 30548), (6, 30578), (7, 30623),

Gene: Brujita_38 Start: 30937, Stop: 31458, Start Num: 1

Candidate Starts for Brujita_38:

(Start: 1 @30937 has 6 MA's), (2, 31057), (3, 31129), (4, 31138), (5, 31282), (6, 31312), (8, 31393), (9, 31399),

Gene: HC_37 Start: 28984, Stop: 29496, Start Num: 1

Candidate Starts for HC_37:

(Start: 1 @28984 has 6 MA's), (2, 29104), (3, 29176), (4, 29185), (5, 29329), (6, 29359), (7, 29404),

Gene: Island3_38 Start: 30937, Stop: 31458, Start Num: 1

Candidate Starts for Island3_38:

(Start: 1 @30937 has 6 MA's), (2, 31057), (3, 31129), (4, 31138), (5, 31282), (6, 31312), (8, 31393), (9, 31399),

Gene: PaintedDog_43 Start: 31834, Stop: 32346, Start Num: 1

Candidate Starts for PaintedDog_43:

(Start: 1 @31834 has 6 MA's), (2, 31954), (3, 32026), (4, 32035), (5, 32179), (6, 32209), (7, 32254),

Gene: QueenHazel_34 Start: 28973, Stop: 29488, Start Num: 1

Candidate Starts for QueenHazel_34:

(Start: 1 @28973 has 6 MA's), (2, 29093), (3, 29168), (4, 29177), (5, 29321), (6, 29351), (7, 29396),

Gene: Xula_33 Start: 28497, Stop: 29012, Start Num: 1

Candidate Starts for Xula_33:

(Start: 1 @28497 has 6 MA's), (2, 28617), (3, 28692), (4, 28701), (5, 28845), (6, 28875), (7, 28920),