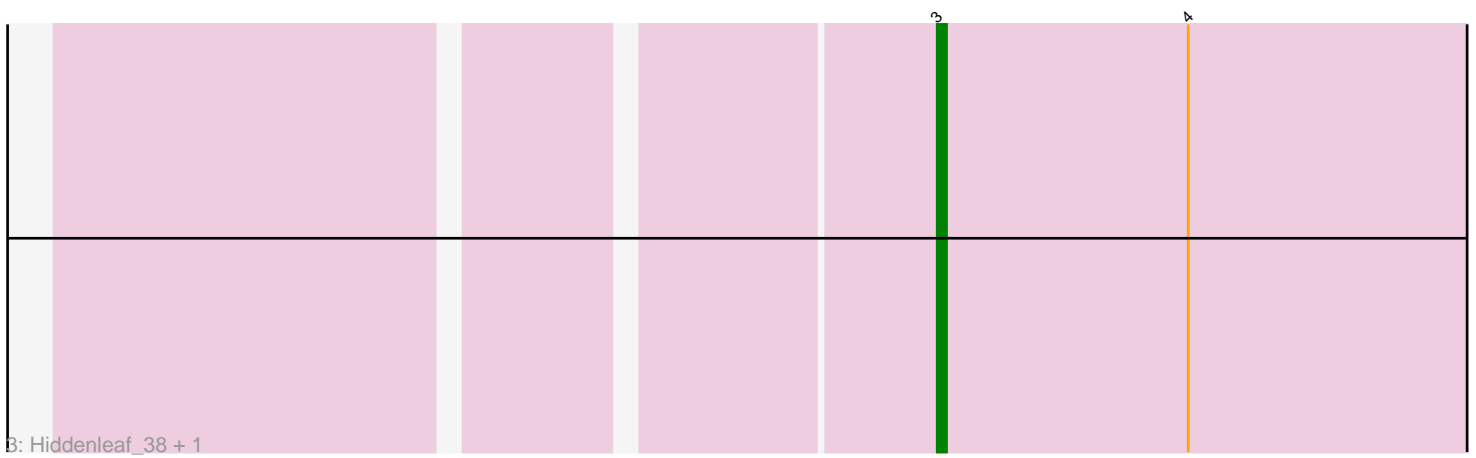
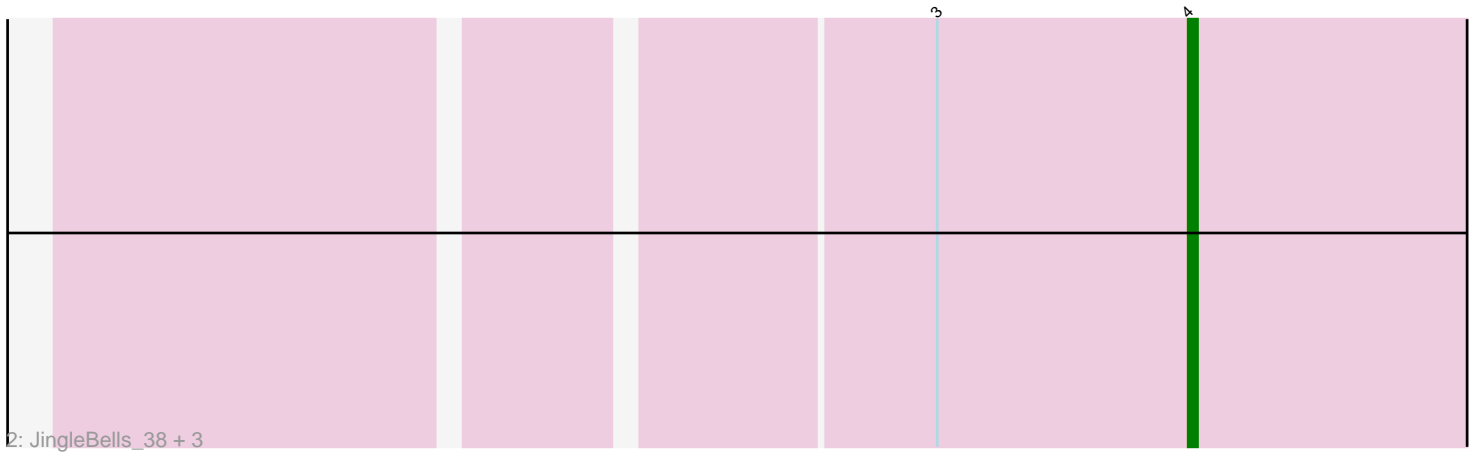
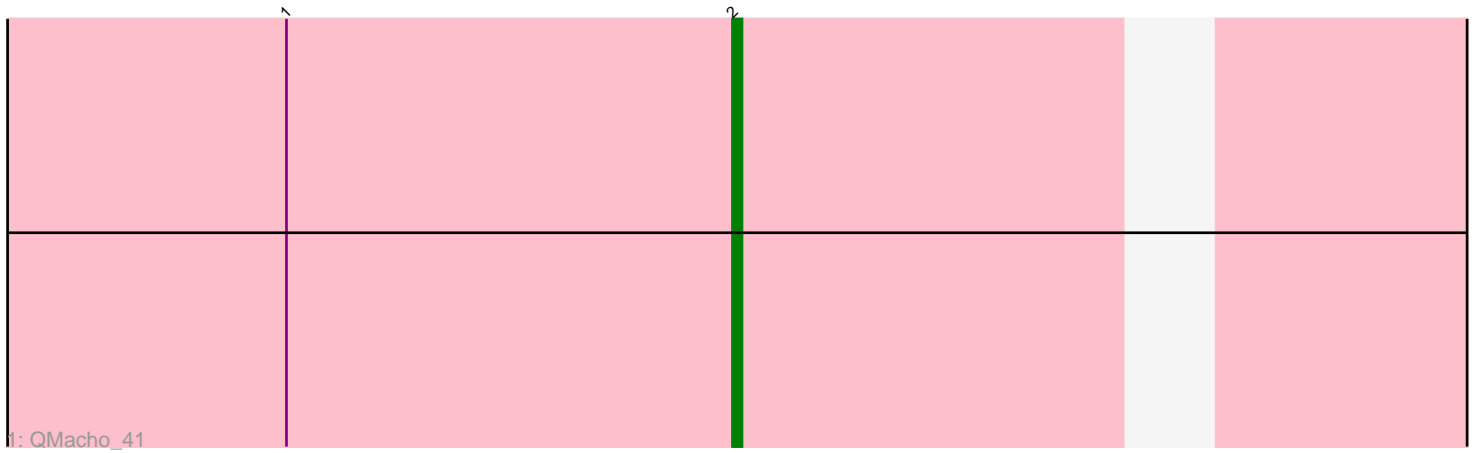


Pham 8291



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 8291 Report

This analysis was run 07/09/24 on database version 566.

Pham number 8291 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : QMacho_41
- Track 2 : JingleBells_38, Chivey_38, DannyDe_38, Crestdrop_39
- Track 3 : Hiddenleaf_38, FreddieHg_38

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 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- FreddieHg_38, Hiddenleaf_38,

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

- Chivey_38, Crestdrop_39, DannyDe_38, JingleBells_38,

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

- QMacho_41,

Summary by start number:

Start 2:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: QMacho_41 (EB),

Start 3:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: FreddieHg_38 (EF), Hiddenleaf_38 (EF),

Start 4:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Chivey_38 (EF), Crestdrop_39 (EF), DannyDe_38 (EF), JingleBells_38 (EF),

Summary by clusters:

There are 2 clusters represented in this pham: EF, EB,

Info for manual annotations of cluster EB:

- Start number 2 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster EF:

- Start number 3 was manually annotated 2 times for cluster EF.
- Start number 4 was manually annotated 2 times for cluster EF.

Gene Information:

Gene: Chivey_38 Start: 24415, Stop: 24582, Start Num: 4

Candidate Starts for Chivey_38:

(Start: 3 @24388 has 2 MA's), (Start: 4 @24415 has 2 MA's),

Gene: Crestdrop_39 Start: 24326, Stop: 24493, Start Num: 4

Candidate Starts for Crestdrop_39:

(Start: 3 @24299 has 2 MA's), (Start: 4 @24326 has 2 MA's),

Gene: DannyDe_38 Start: 24421, Stop: 24588, Start Num: 4

Candidate Starts for DannyDe_38:

(Start: 3 @24394 has 2 MA's), (Start: 4 @24421 has 2 MA's),

Gene: FreddieHg_38 Start: 24404, Stop: 24598, Start Num: 3

Candidate Starts for FreddieHg_38:

(Start: 3 @24404 has 2 MA's), (Start: 4 @24431 has 2 MA's),

Gene: Hiddenleaf_38 Start: 24388, Stop: 24582, Start Num: 3

Candidate Starts for Hiddenleaf_38:

(Start: 3 @24388 has 2 MA's), (Start: 4 @24415 has 2 MA's),

Gene: JingleBells_38 Start: 24536, Stop: 24703, Start Num: 4

Candidate Starts for JingleBells_38:

(Start: 3 @24509 has 2 MA's), (Start: 4 @24536 has 2 MA's),

Gene: QMacho_41 Start: 26934, Stop: 27140, Start Num: 2

Candidate Starts for QMacho_41:

(1, 26886), (Start: 2 @26934 has 1 MA's),