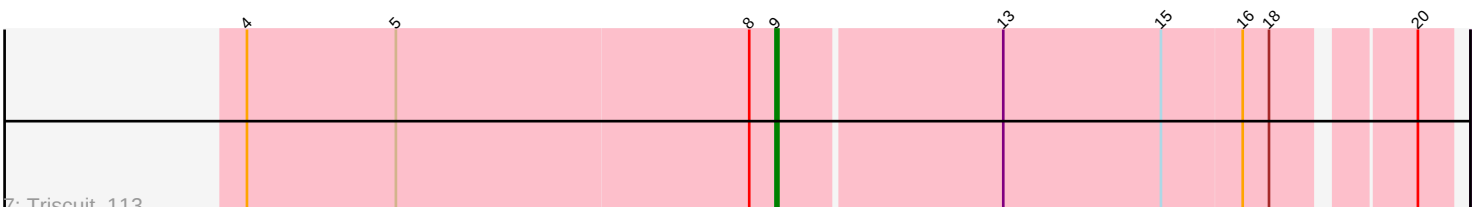
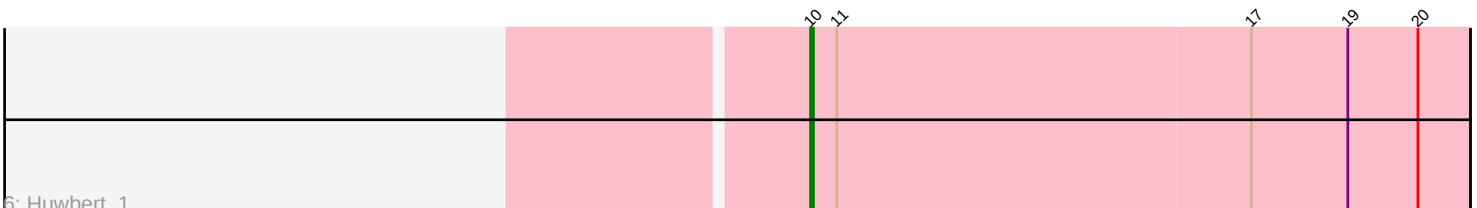
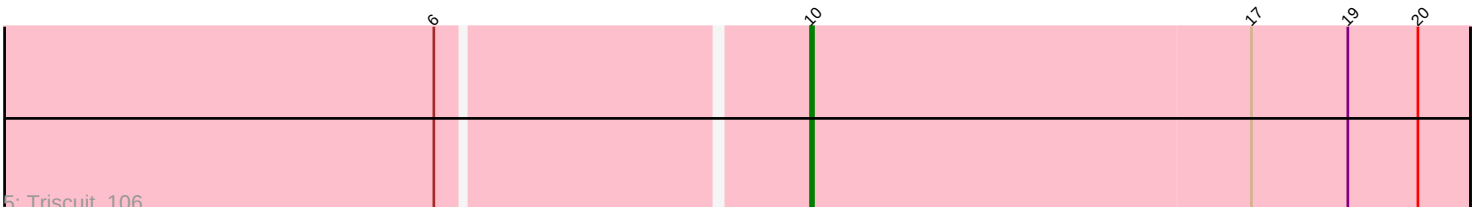
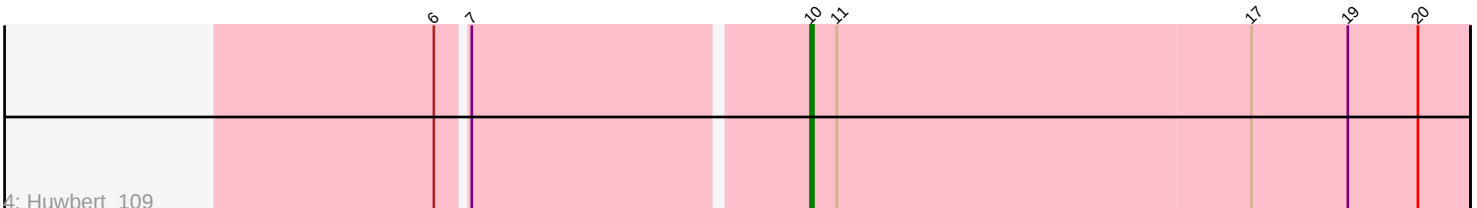
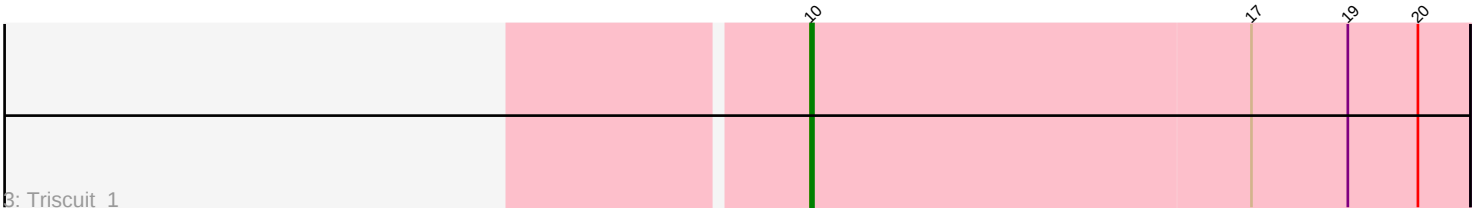
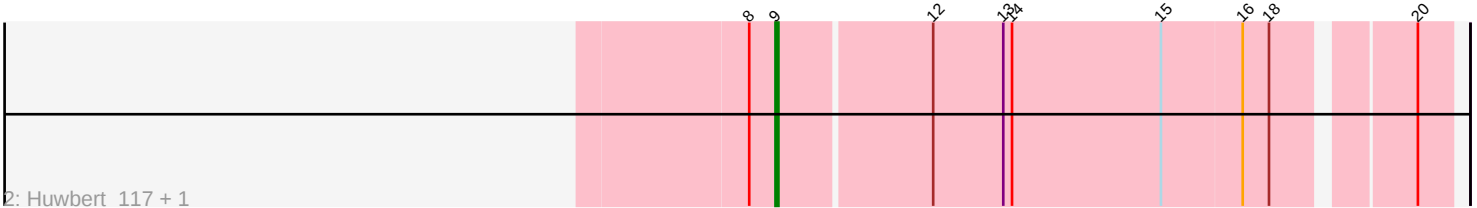
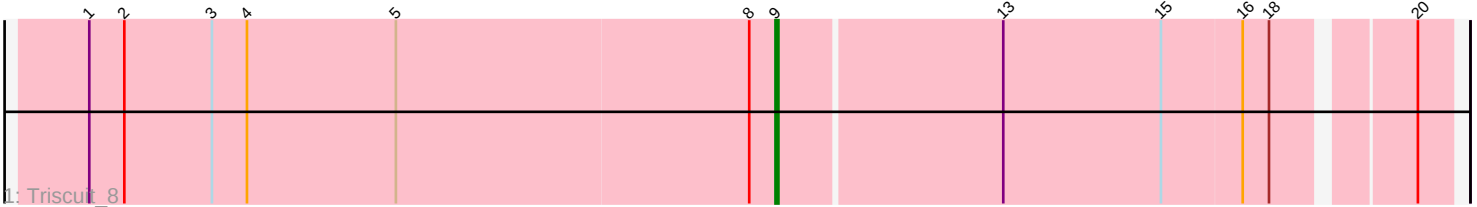


Pham 309940



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 309940 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309940 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Triscuit_8
- Track 2 : Huwbert_117, Huwbert_9
- Track 3 : Triscuit_1
- Track 4 : Huwbert_109
- Track 5 : Triscuit_106
- Track 6 : Huwbert_1
- Track 7 : Triscuit_113

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Huwbert_117, Huwbert_9, Triscuit_113, Triscuit_8,

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

-

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

- Huwbert_1, Huwbert_109, Triscuit_1, Triscuit_106,

Summary by start number:

Start 9:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Huwbert_117 (GG), Huwbert_9 (GG), Triscuit_113 (GG), Triscuit_8 (GG),

Start 10:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 4 of 8

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Huwbert_1 (GG), Huwbert_109 (GG), Triscuit_1 (GG), Triscuit_106 (GG),

Summary by clusters:

There is one cluster represented in this pham: GG

Info for manual annotations of cluster GG:

- Start number 9 was manually annotated 4 times for cluster GG.
- Start number 10 was manually annotated 4 times for cluster GG.

Gene Information:

Gene: Huwbert_117 Start: 67579, Stop: 67361, Start Num: 9

Candidate Starts for Huwbert_117:

(8, 67588), (Start: 9 @67579 has 4 MA's), (12, 67528), (13, 67504), (14, 67501), (15, 67450), (16, 67423), (18, 67414), (20, 67372),

Gene: Huwbert_109 Start: 64440, Stop: 64216, Start Num: 10

Candidate Starts for Huwbert_109:

(6, 64560), (7, 64551), (Start: 10 @64440 has 4 MA's), (11, 64431), (17, 64290), (19, 64257), (20, 64233),

Gene: Huwbert_1 Start: 484, Stop: 260, Start Num: 10

Candidate Starts for Huwbert_1:

(Start: 10 @484 has 4 MA's), (11, 475), (17, 334), (19, 301), (20, 277),

Gene: Huwbert_9 Start: 3623, Stop: 3405, Start Num: 9

Candidate Starts for Huwbert_9:

(8, 3632), (Start: 9 @3623 has 4 MA's), (12, 3572), (13, 3548), (14, 3545), (15, 3494), (16, 3467), (18, 3458), (20, 3416),

Gene: Triscuit_8 Start: 3606, Stop: 3388, Start Num: 9

Candidate Starts for Triscuit_8:

(1, 3840), (2, 3828), (3, 3798), (4, 3786), (5, 3735), (8, 3615), (Start: 9 @3606 has 4 MA's), (13, 3531), (15, 3477), (16, 3450), (18, 3441), (20, 3399),

Gene: Triscuit_1 Start: 474, Stop: 250, Start Num: 10

Candidate Starts for Triscuit_1:

(Start: 10 @474 has 4 MA's), (17, 324), (19, 291), (20, 267),

Gene: Triscuit_106 Start: 64218, Stop: 63994, Start Num: 10

Candidate Starts for Triscuit_106:

(6, 64338), (Start: 10 @64218 has 4 MA's), (17, 64068), (19, 64035), (20, 64011),

Gene: Triscuit_113 Start: 67350, Stop: 67132, Start Num: 9

Candidate Starts for Triscuit_113:

(4, 67530), (5, 67479), (8, 67359), (Start: 9 @67350 has 4 MA's), (13, 67275), (15, 67221), (16, 67194), (18, 67185), (20, 67143),