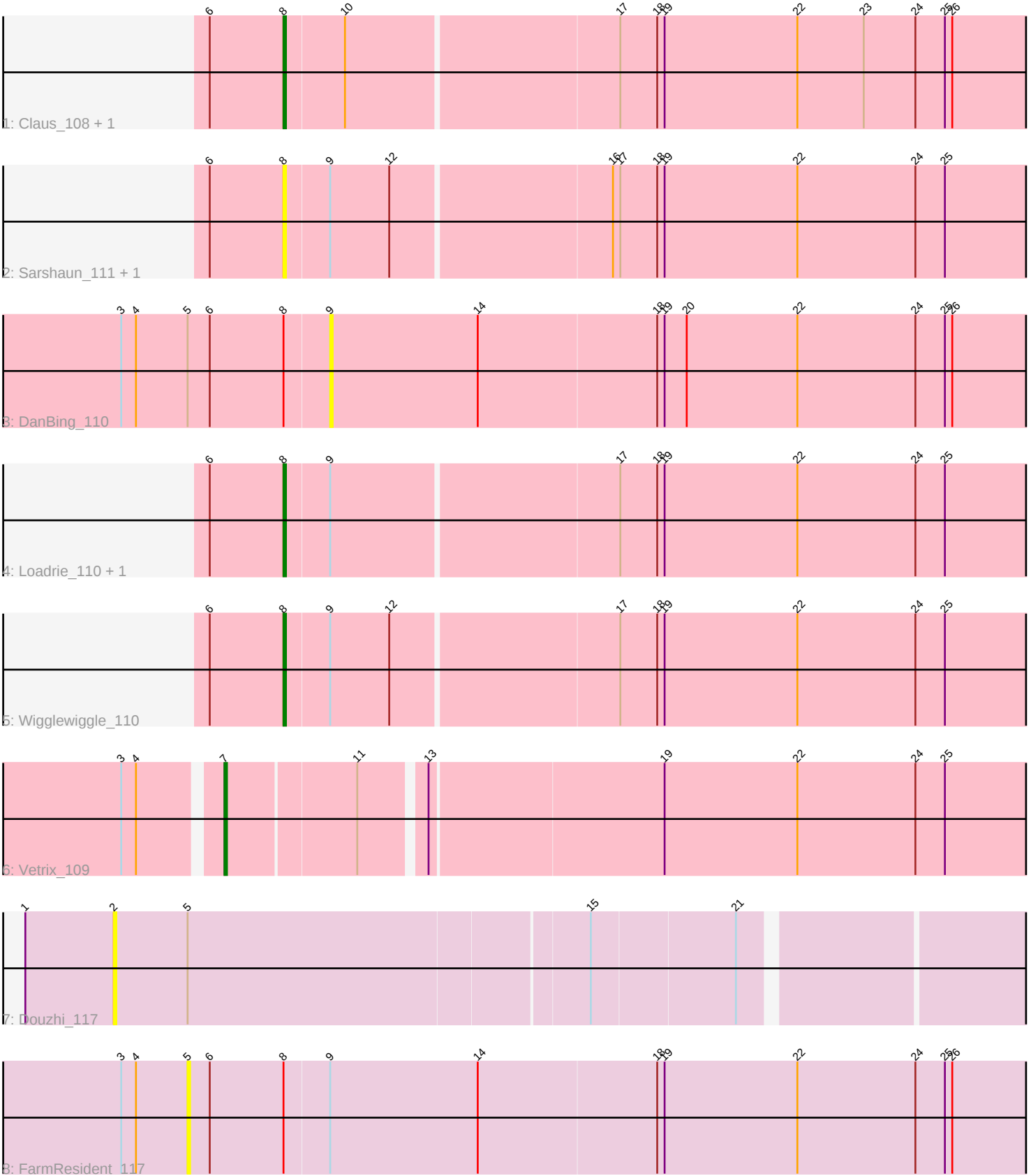


Pham 309711



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 309711 Report

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

Pham number 309711 has 11 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Claus_108, Lewan_111
- Track 2 : Sarshaun_111, Soap141_110
- Track 3 : DanBing_110
- Track 4 : Loadrie_110, OverPar_114
- Track 5 : Wigglewiggle_110
- Track 6 : Vetrix_109
- Track 7 : Douzhi_117
- Track 8 : FarmResident_117

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Claus_108, Lewan_111, Loadrie_110, OverPar_114, Sarshaun_111, Soap141_110, Wigglewiggle_110,

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

- DanBing_110, FarmResident_117,

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

- Douzhi_117, Vetrix_109,

Summary by start number:

Start 2:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Douzhi_117 (L4),

Start 5:

- Found in 3 of 11 (27.3%) of genes in pham

- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: FarmResident_117 (L4),

Start 7:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Vetrix_109 (L2),

Start 8:

- Found in 9 of 11 (81.8%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 77.8% of time when present
- Phage (with cluster) where this start called: Claus_108 (L2), Lewan_111 (L2), Loadrie_110 (L2), OverPar_114 (L2), Sarshaun_111 (L2), Soap141_110 (L2), Wigglewiggles_110 (L2),

Start 9:

- Found in 7 of 11 (63.6%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: DanBing_110 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L2,

Info for manual annotations of cluster L2:

- Start number 7 was manually annotated 1 time for cluster L2.
- Start number 8 was manually annotated 5 times for cluster L2.

Gene Information:

Gene: Claus_108 Start: 63688, Stop: 64011, Start Num: 8

Candidate Starts for Claus_108:

(6, 63658), (Start: 8 @63688 has 5 MA's), (10, 63712), (17, 63820), (18, 63835), (19, 63838), (22, 63892), (23, 63919), (24, 63940), (25, 63952), (26, 63955),

Gene: DanBing_110 Start: 63759, Stop: 64073, Start Num: 9

Candidate Starts for DanBing_110:

(3, 63675), (4, 63681), (5, 63702), (6, 63711), (Start: 8 @63741 has 5 MA's), (9, 63759), (14, 63819), (18, 63891), (19, 63894), (20, 63903), (22, 63948), (24, 63996), (25, 64008), (26, 64011),

Gene: Douzhi_117 Start: 64651, Stop: 65031, Start Num: 2

Candidate Starts for Douzhi_117:

(1, 64615), (2, 64651), (5, 64681), (15, 64840), (21, 64897),

Gene: FarmResident_117 Start: 64103, Stop: 64468, Start Num: 5

Candidate Starts for FarmResident_117:

(3, 64076), (4, 64082), (5, 64103), (6, 64112), (Start: 8 @64142 has 5 MA's), (9, 64160), (14, 64220), (18, 64292), (19, 64295), (22, 64349), (24, 64397), (25, 64409), (26, 64412),

Gene: Lewan_111 Start: 64041, Stop: 64370, Start Num: 8

Candidate Starts for Lewan_111:

(6, 64011), (Start: 8 @64041 has 5 MA's), (10, 64065), (17, 64173), (18, 64188), (19, 64191), (22, 64245), (23, 64272), (24, 64293), (25, 64305), (26, 64308),

Gene: Loadrie_110 Start: 64142, Stop: 64471, Start Num: 8

Candidate Starts for Loadrie_110:

(6, 64112), (Start: 8 @64142 has 5 MA's), (9, 64160), (17, 64274), (18, 64289), (19, 64292), (22, 64346), (24, 64394), (25, 64406),

Gene: OverPar_114 Start: 64142, Stop: 64471, Start Num: 8

Candidate Starts for OverPar_114:

(6, 64112), (Start: 8 @64142 has 5 MA's), (9, 64160), (17, 64274), (18, 64289), (19, 64292), (22, 64346), (24, 64394), (25, 64406),

Gene: Sarshaun_111 Start: 64541, Stop: 64870, Start Num: 8

Candidate Starts for Sarshaun_111:

(6, 64511), (Start: 8 @64541 has 5 MA's), (9, 64559), (12, 64583), (16, 64670), (17, 64673), (18, 64688), (19, 64691), (22, 64745), (24, 64793), (25, 64805),

Gene: Soap141_110 Start: 64541, Stop: 64870, Start Num: 8

Candidate Starts for Soap141_110:

(6, 64511), (Start: 8 @64541 has 5 MA's), (9, 64559), (12, 64583), (16, 64670), (17, 64673), (18, 64688), (19, 64691), (22, 64745), (24, 64793), (25, 64805),

Gene: Vetrix_109 Start: 64166, Stop: 64513, Start Num: 7

Candidate Starts for Vetrix_109:

(3, 64130), (4, 64136), (Start: 7 @64166 has 1 MA's), (11, 64217), (13, 64241), (19, 64334), (22, 64388), (24, 64436), (25, 64448),

Gene: Wigglewigggle_110 Start: 63714, Stop: 64043, Start Num: 8

Candidate Starts for Wigglewigggle_110:

(6, 63684), (Start: 8 @63714 has 5 MA's), (9, 63732), (12, 63756), (17, 63846), (18, 63861), (19, 63864), (22, 63918), (24, 63966), (25, 63978),