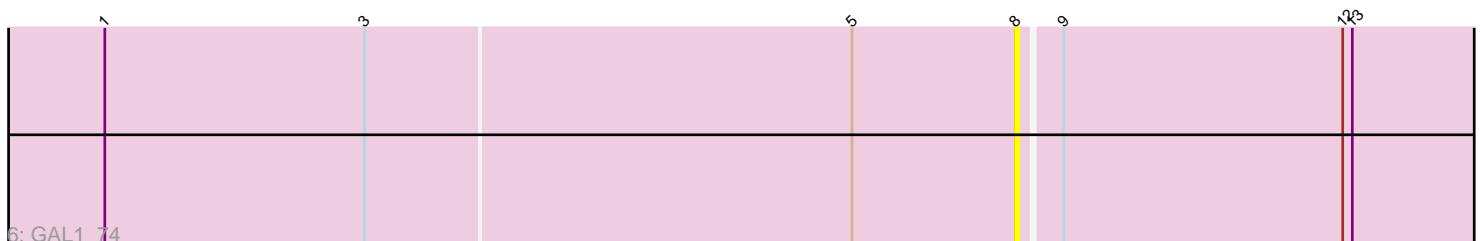
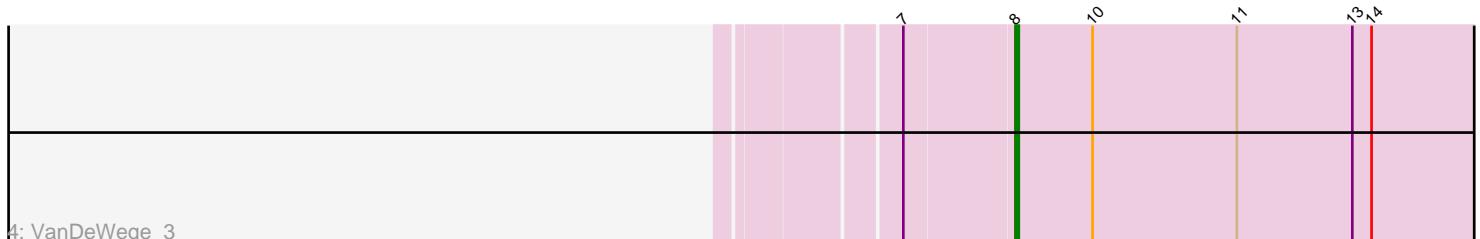
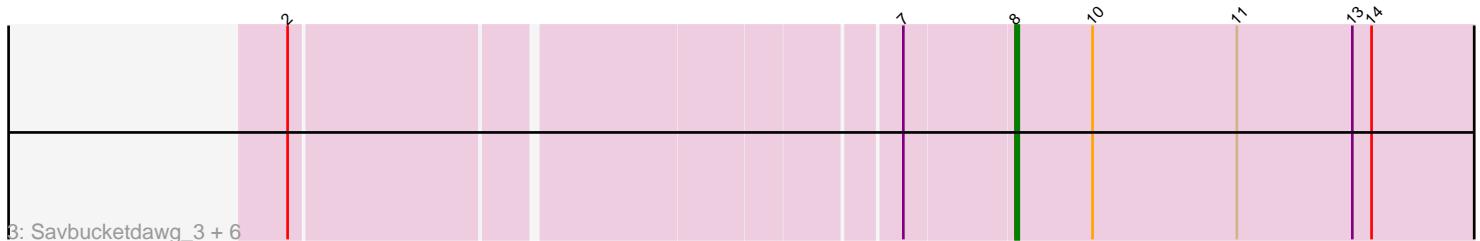
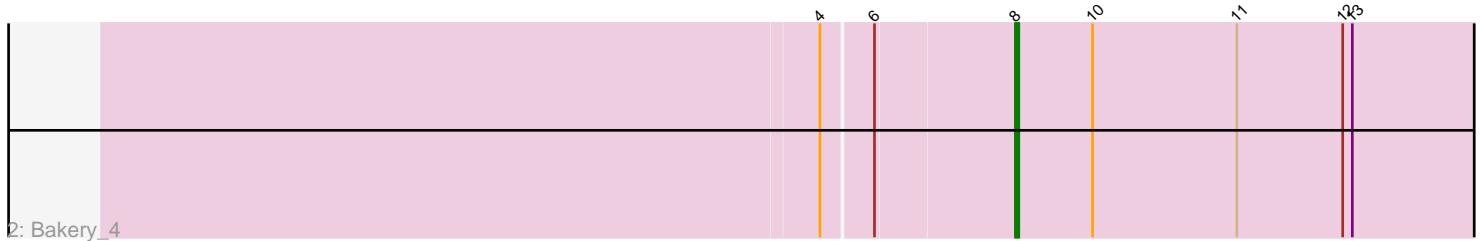
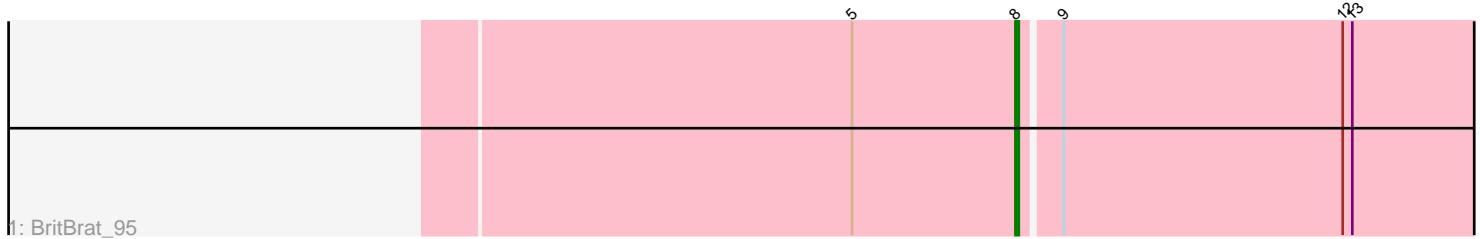


Pham 278787



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 278787 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278787 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BritBrat\_95
- Track 2 : Bakery\_4
- Track 3 : Savbucketdawg\_3, SmokingBunny\_3, Evamon\_3, Togo\_3, Jambalaya\_3, TillyBobJoe\_3, Salvador\_3
- Track 4 : VanDeWege\_3
- Track 5 : Squiddly\_98
- Track 6 : GAL1\_74

### ***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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bakery\_4, BritBrat\_95, Evamon\_3, GAL1\_74, Jambalaya\_3, Salvador\_3, Savbucketdawg\_3, SmokingBunny\_3, Squiddly\_98, TillyBobJoe\_3, Togo\_3, VanDeWege\_3,

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 8:

- Found in 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bakery\_4 (DC1), BritBrat\_95 (CY2), Evamon\_3 (DC1), GAL1\_74 (singleton), Jambalaya\_3 (DC1), Salvador\_3 (DC1), Savbucketdawg\_3 (DC1), SmokingBunny\_3 (DC1), Squiddly\_98 (DN2), TillyBobJoe\_3 (DC1), Togo\_3 (DC1), VanDeWege\_3 (DC1),

## **Summary by clusters:**

There are 4 clusters represented in this pham: CY2, singleton, DN2, DC1,

Info for manual annotations of cluster CY2:

- Start number 8 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DC1:

- Start number 8 was manually annotated 9 times for cluster DC1.

Info for manual annotations of cluster DN2:

- Start number 8 was manually annotated 1 time for cluster DN2.

## ***Gene Information:***

Gene: Bakery\_4 Start: 1228, Stop: 1449, Start Num: 8

Candidate Starts for Bakery\_4:

(4, 1171), (6, 1186), (Start: 8 @1228 has 11 MA's), (10, 1252), (11, 1297), (12, 1330), (13, 1333),

Gene: BritBrat\_95 Start: 53805, Stop: 54044, Start Num: 8

Candidate Starts for BritBrat\_95:

(5, 53754), (Start: 8 @53805 has 11 MA's), (9, 53817), (12, 53904), (13, 53907),

Gene: Evamon\_3 Start: 1069, Stop: 1299, Start Num: 8

Candidate Starts for Evamon\_3:

(2, 859), (7, 1036), (Start: 8 @1069 has 11 MA's), (10, 1093), (11, 1138), (13, 1174), (14, 1180),

Gene: GAL1\_74 Start: 45814, Stop: 46038, Start Num: 8

Candidate Starts for GAL1\_74:

(1, 45532), (3, 45613), (5, 45763), (Start: 8 @45814 has 11 MA's), (9, 45826), (12, 45913), (13, 45916),

Gene: Jambalaya\_3 Start: 1064, Stop: 1342, Start Num: 8

Candidate Starts for Jambalaya\_3:

(2, 854), (7, 1031), (Start: 8 @1064 has 11 MA's), (10, 1088), (11, 1133), (13, 1169), (14, 1175),

Gene: Salvador\_3 Start: 1067, Stop: 1297, Start Num: 8

Candidate Starts for Salvador\_3:

(2, 857), (7, 1034), (Start: 8 @1067 has 11 MA's), (10, 1091), (11, 1136), (13, 1172), (14, 1178),

Gene: Savbucketdawg\_3 Start: 1064, Stop: 1342, Start Num: 8

Candidate Starts for Savbucketdawg\_3:

(2, 854), (7, 1031), (Start: 8 @1064 has 11 MA's), (10, 1088), (11, 1133), (13, 1169), (14, 1175),

Gene: SmokingBunny\_3 Start: 1067, Stop: 1297, Start Num: 8

Candidate Starts for SmokingBunny\_3:

(2, 857), (7, 1034), (Start: 8 @1067 has 11 MA's), (10, 1091), (11, 1136), (13, 1172), (14, 1178),

Gene: Squiddly\_98 Start: 55196, Stop: 55402, Start Num: 8

Candidate Starts for Squiddly\_98:

(5, 55145), (Start: 8 @55196 has 11 MA's), (9, 55208), (15, 55283),

Gene: TillyBobJoe\_3 Start: 1067, Stop: 1345, Start Num: 8

Candidate Starts for TillyBobJoe\_3:

(2, 857), (7, 1034), (Start: 8 @1067 has 11 MA's), (10, 1091), (11, 1136), (13, 1172), (14, 1178),

Gene: Togo\_3 Start: 1067, Stop: 1297, Start Num: 8

Candidate Starts for Togo\_3:

(2, 857), (7, 1034), (Start: 8 @1067 has 11 MA's), (10, 1091), (11, 1136), (13, 1172), (14, 1178),

Gene: VanDeWege\_3 Start: 1076, Stop: 1354, Start Num: 8

Candidate Starts for VanDeWege\_3:

(7, 1043), (Start: 8 @1076 has 11 MA's), (10, 1100), (11, 1145), (13, 1181), (14, 1187),