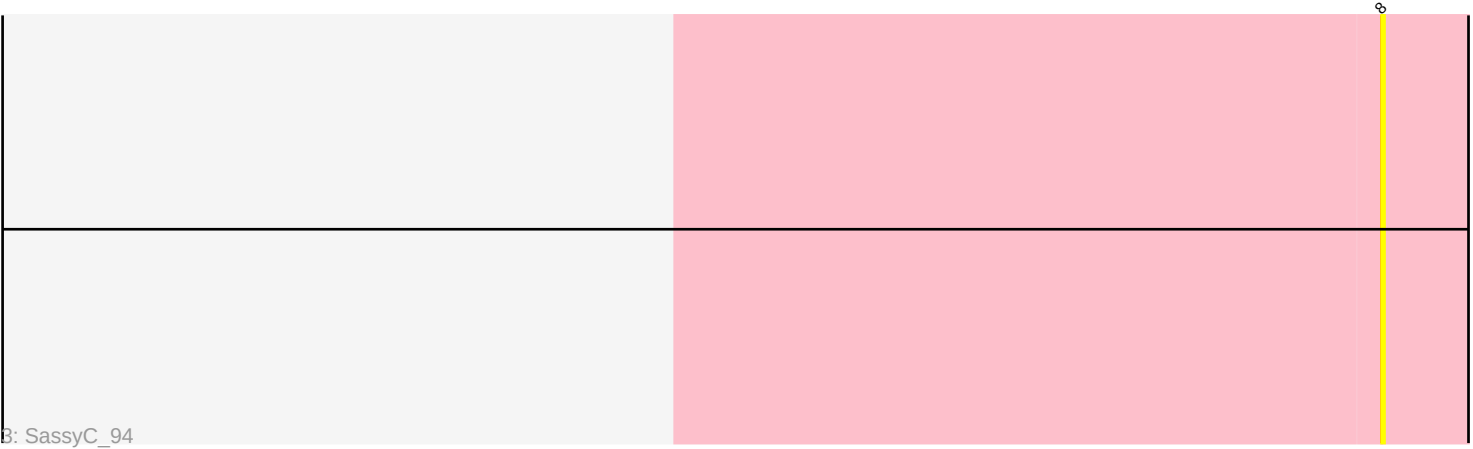
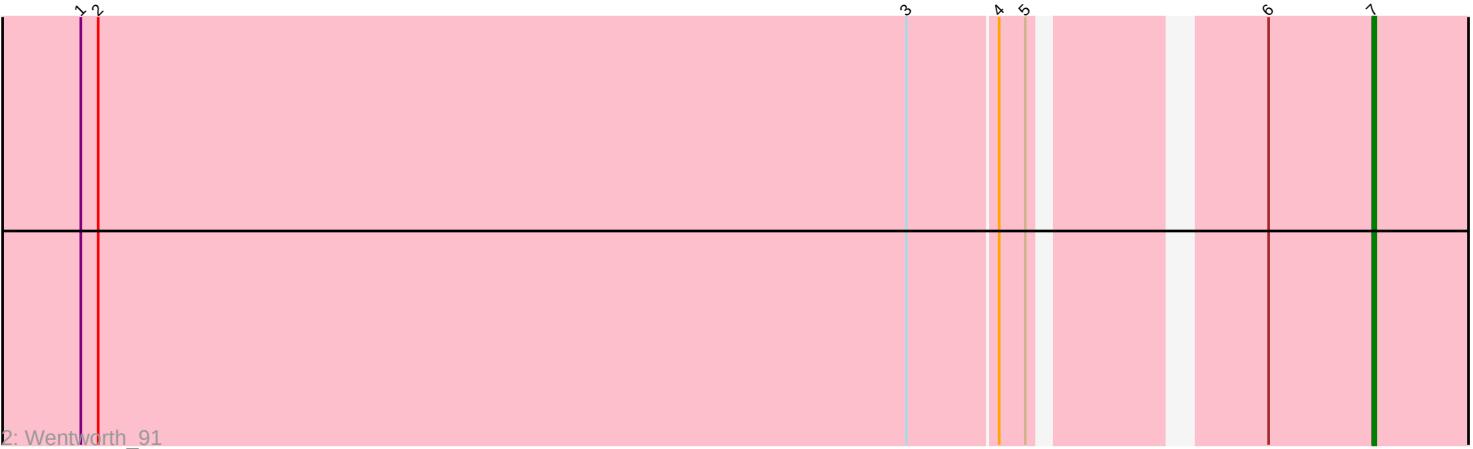




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 284471 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284471 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Rooney_92, Gibson_92, ShakeNBake_91, Wilkos_91, Virizion_98, Lizz_91, PHTowN_91
- Track 2 : Wentworth_91
- Track 3 : SassyC_94

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

The start number called the most often in the published annotations is 7, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gibson_92, Lizz_91, PHTowN_91, Rooney_92, ShakeNBake_91, Virizion_98, Wentworth_91, Wilkos_91,

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

-

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

- SassyC_94,

Summary by start number:

Start 7:

- Found in 8 of 9 (88.9%) 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: Gibson_92 (BN), Lizz_91 (BN), PHTowN_91 (BN), Rooney_92 (BN), ShakeNBake_91 (BN), Virizion_98 (BN), Wentworth_91 (BN), Wilkos_91 (BN),

Start 8:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: SassyC_94 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:

- Start number 7 was manually annotated 6 times for cluster BN.

Gene Information:

Gene: Gibson_92 Start: 59594, Stop: 59394, Start Num: 7

Candidate Starts for Gibson_92:

(Start: 7 @59594 has 6 MA's),

Gene: Lizz_91 Start: 59588, Stop: 59388, Start Num: 7

Candidate Starts for Lizz_91:

(Start: 7 @59588 has 6 MA's),

Gene: PHTowN_91 Start: 59586, Stop: 59386, Start Num: 7

Candidate Starts for PHTowN_91:

(Start: 7 @59586 has 6 MA's),

Gene: Rooney_92 Start: 59602, Stop: 59402, Start Num: 7

Candidate Starts for Rooney_92:

(Start: 7 @59602 has 6 MA's),

Gene: SassyC_94 Start: 59078, Stop: 58893, Start Num: 8

Candidate Starts for SassyC_94:

(8, 59078),

Gene: ShakeNBake_91 Start: 59613, Stop: 59413, Start Num: 7

Candidate Starts for ShakeNBake_91:

(Start: 7 @59613 has 6 MA's),

Gene: Virizion_98 Start: 59789, Stop: 59589, Start Num: 7

Candidate Starts for Virizion_98:

(Start: 7 @59789 has 6 MA's),

Gene: Wentworth_91 Start: 58976, Stop: 58788, Start Num: 7

Candidate Starts for Wentworth_91:

(1, 59402), (2, 59396), (3, 59117), (4, 59087), (5, 59078), (6, 59012), (Start: 7 @58976 has 6 MA's),

Gene: Wilkos_91 Start: 58773, Stop: 58585, Start Num: 7

Candidate Starts for Wilkos_91:

(Start: 7 @58773 has 6 MA's),