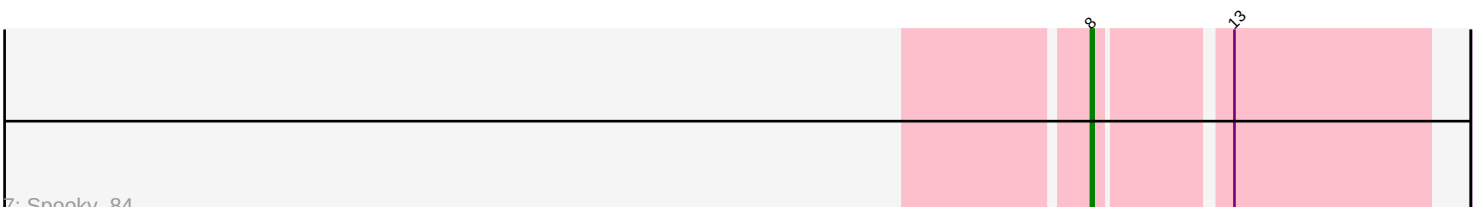
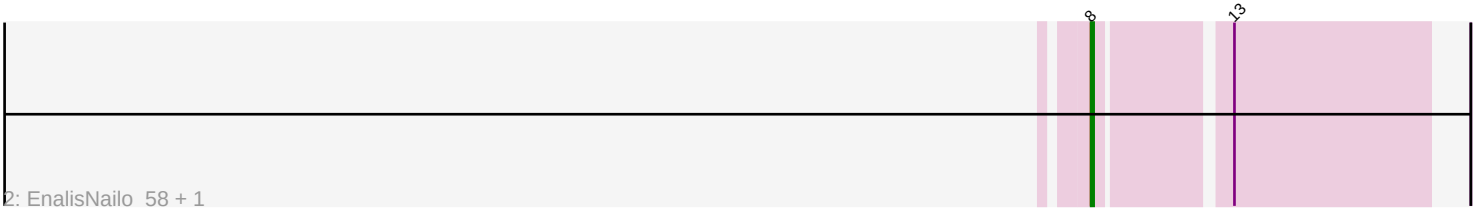
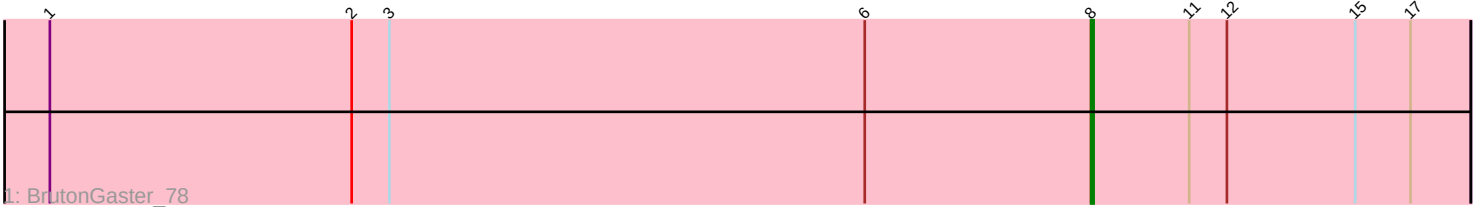


Pham 331556



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 331556 Report

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

Pham number 331556 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : BrutonGaster_78
- Track 2 : EnalisNailo_58, Lilas_60
- Track 3 : Cashline_61
- Track 4 : Denise_60
- Track 5 : Moosehead_63
- Track 6 : MortyNRick_74
- Track 7 : Spooky_84

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BrutonGaster_78, Cashline_61, Denise_60, EnalisNailo_58, Lilas_60, Moosehead_63, MortyNRick_74, Spooky_84,

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 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrutonGaster_78 (CQ2), Cashline_61 (CY6), Denise_60 (CZ5), EnalisNailo_58 (CY1), Lilas_60 (CY1), Moosehead_63 (CZ6), MortyNRick_74 (DN), Spooky_84 (DN2),

Summary by clusters:

There are 7 clusters represented in this pham: DN, CY1, CY6, CZ6, CZ5, DN2, CQ2,

Info for manual annotations of cluster CQ2:

- Start number 8 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CY1:

- Start number 8 was manually annotated 2 times for cluster CY1.

Info for manual annotations of cluster CY6:

- Start number 8 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CZ5:

- Start number 8 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 8 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DN:

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

Info for manual annotations of cluster DN2:

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

Gene Information:

Gene: BrutonGaster_78 Start: 54154, Stop: 54303, Start Num: 8

Candidate Starts for BrutonGaster_78:

(1, 53740), (2, 53860), (3, 53875), (6, 54064), (Start: 8 @54154 has 8 MA's), (11, 54193), (12, 54208), (15, 54259), (17, 54280),

Gene: Cashline_61 Start: 43921, Stop: 44046, Start Num: 8

Candidate Starts for Cashline_61:

(4, 43693), (5, 43810), (Start: 8 @43921 has 8 MA's), (13, 43969),

Gene: Denise_60 Start: 37655, Stop: 37786, Start Num: 8

Candidate Starts for Denise_60:

(Start: 8 @37655 has 8 MA's), (9, 37664), (10, 37673), (13, 37703), (14, 37718),

Gene: EnalisNailo_58 Start: 42500, Stop: 42625, Start Num: 8

Candidate Starts for EnalisNailo_58:

(Start: 8 @42500 has 8 MA's), (13, 42548),

Gene: Lilas_60 Start: 44253, Stop: 44378, Start Num: 8

Candidate Starts for Lilas_60:

(Start: 8 @44253 has 8 MA's), (13, 44301),

Gene: Moosehead_63 Start: 36248, Stop: 36376, Start Num: 8

Candidate Starts for Moosehead_63:

(Start: 8 @36248 has 8 MA's),

Gene: MortyNRick_74 Start: 45894, Stop: 46013, Start Num: 8

Candidate Starts for MortyNRick_74:

(7, 45822), (Start: 8 @45894 has 8 MA's), (9, 45903), (10, 45912), (13, 45942), (16, 46005),

Gene: Spooky_84 Start: 47413, Stop: 47538, Start Num: 8

Candidate Starts for Spooky_84:

(Start: 8 @47413 has 8 MA's), (13, 47461),