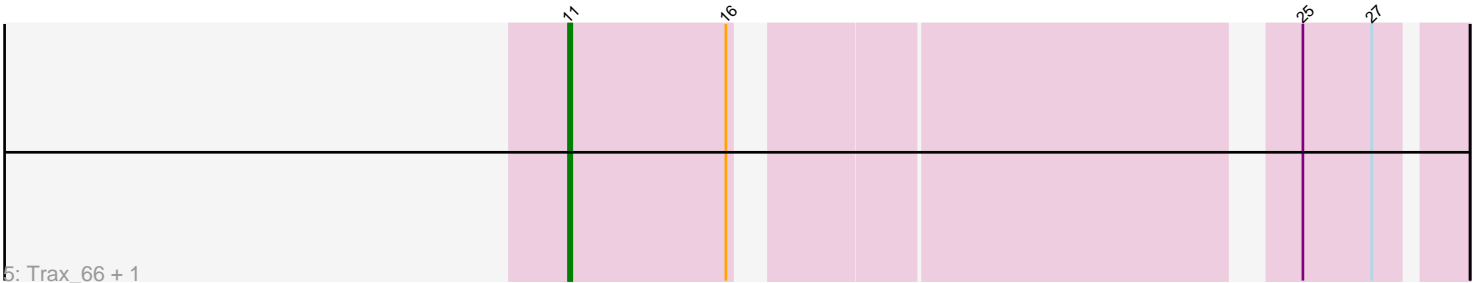
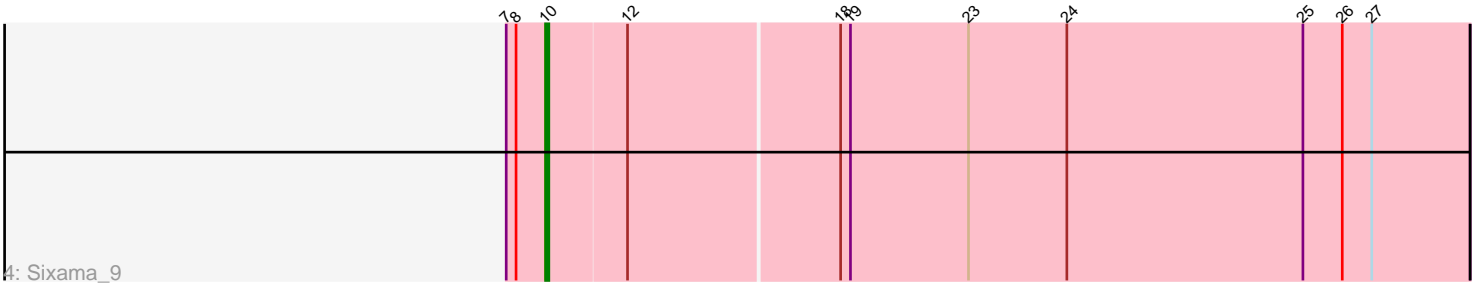
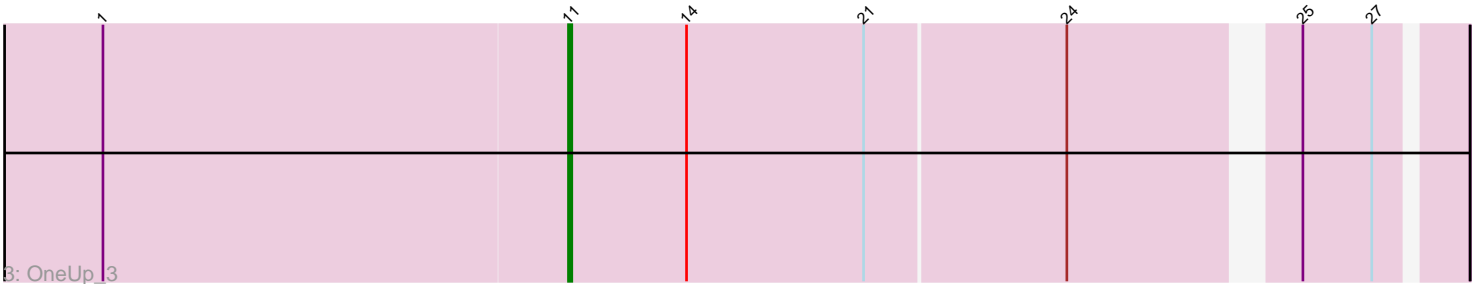
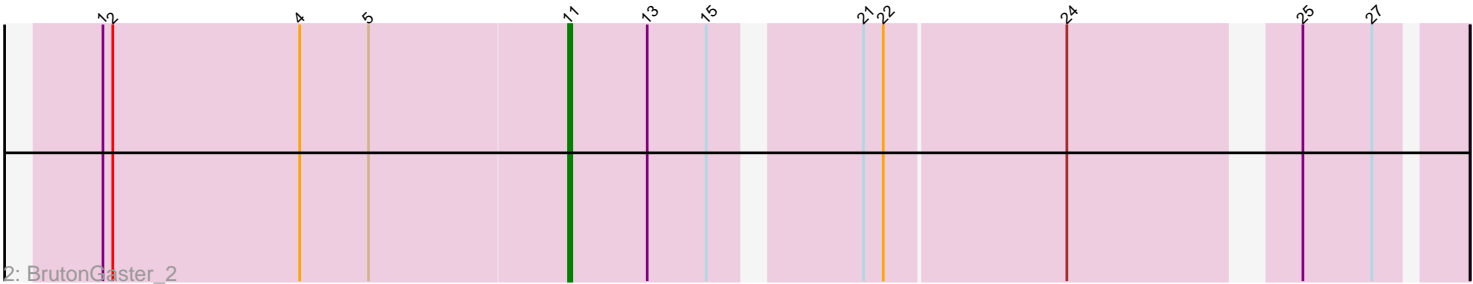
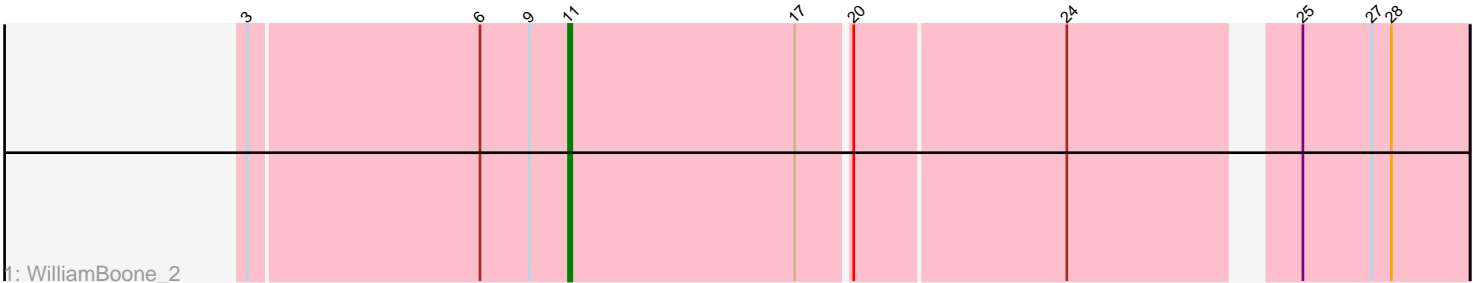


Pham 88258



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 88258 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88258 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : WilliamBoone_2
- Track 2 : BrutonGaster_2
- Track 3 : OneUp_3
- Track 4 : Sixama_9
- Track 5 : Trax_66, Rabbitrun_68

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BrutonGaster_2, OneUp_3, Rabbitrun_68, Trax_66, WilliamBoone_2,

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

-

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

- Sixama_9,

Summary by start number:

Start 10:

- Found in 1 of 6 (16.7%) 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: Sixama_9 (DS),

Start 11:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrutonGaster_2 (CQ2), OneUp_3 (CQ2), Rabbitrun_68 (DU2), Trax_66 (DU2), WilliamBoone_2 (CQ1),

Summary by clusters:

There are 4 clusters represented in this pham: CQ2, DU2, CQ1, DS,

Info for manual annotations of cluster CQ1:

- Start number 11 was manually annotated 1 time for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 11 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster DS:

- Start number 10 was manually annotated 1 time for cluster DS.

Info for manual annotations of cluster DU2:

- Start number 11 was manually annotated 2 times for cluster DU2.

Gene Information:

Gene: BrutonGaster_2 Start: 662, Stop: 417, Start Num: 11

Candidate Starts for BrutonGaster_2:

(1, 803), (2, 800), (4, 743), (5, 722), (Start: 11 @662 has 5 MA's), (13, 638), (15, 620), (21, 581), (22, 575), (24, 521), (25, 461), (27, 440),

Gene: OneUp_3 Start: 870, Stop: 616, Start Num: 11

Candidate Starts for OneUp_3:

(1, 1011), (Start: 11 @870 has 5 MA's), (14, 834), (21, 780), (24, 720), (25, 660), (27, 639),

Gene: Rabbitrun_68 Start: 43337, Stop: 43579, Start Num: 11

Candidate Starts for Rabbitrun_68:

(Start: 11 @43337 has 5 MA's), (16, 43385), (25, 43535), (27, 43556),

Gene: Sixama_9 Start: 3306, Stop: 3028, Start Num: 10

Candidate Starts for Sixama_9:

(7, 3318), (8, 3315), (Start: 10 @3306 has 1 MA's), (12, 3282), (18, 3219), (19, 3216), (23, 3180), (24, 3150), (25, 3078), (26, 3066), (27, 3057),

Gene: Trax_66 Start: 43387, Stop: 43629, Start Num: 11

Candidate Starts for Trax_66:

(Start: 11 @43387 has 5 MA's), (16, 43435), (25, 43585), (27, 43606),

Gene: WilliamBoone_2 Start: 578, Stop: 321, Start Num: 11

Candidate Starts for WilliamBoone_2:

(3, 674), (6, 605), (9, 590), (Start: 11 @578 has 5 MA's), (17, 509), (20, 494), (24, 431), (25, 371), (27, 350), (28, 344),