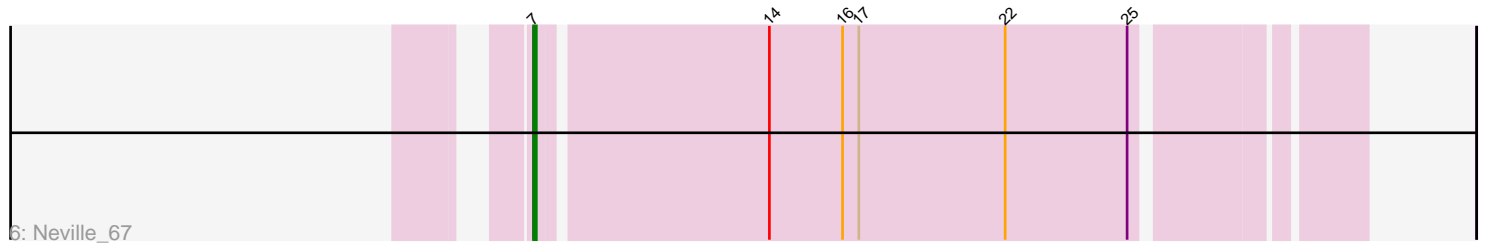
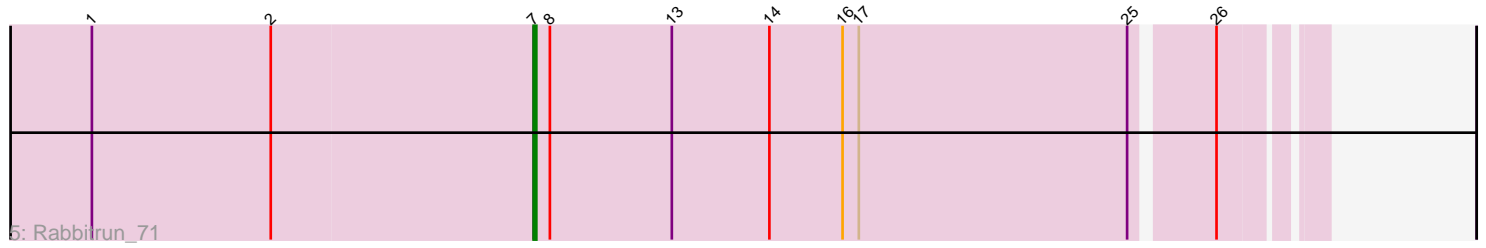
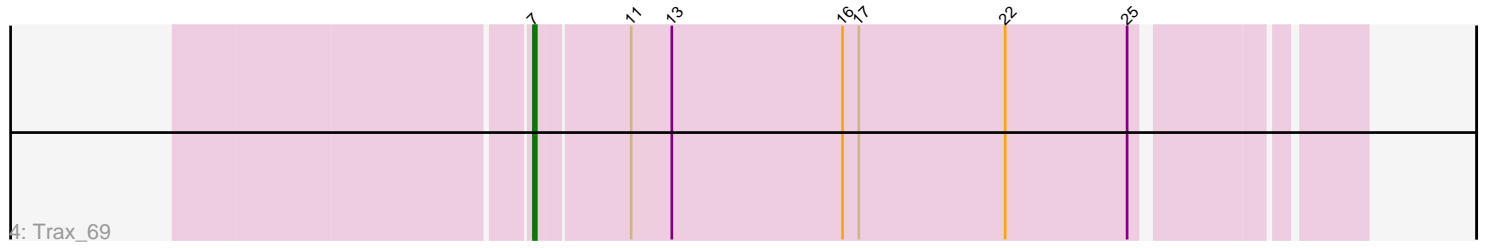
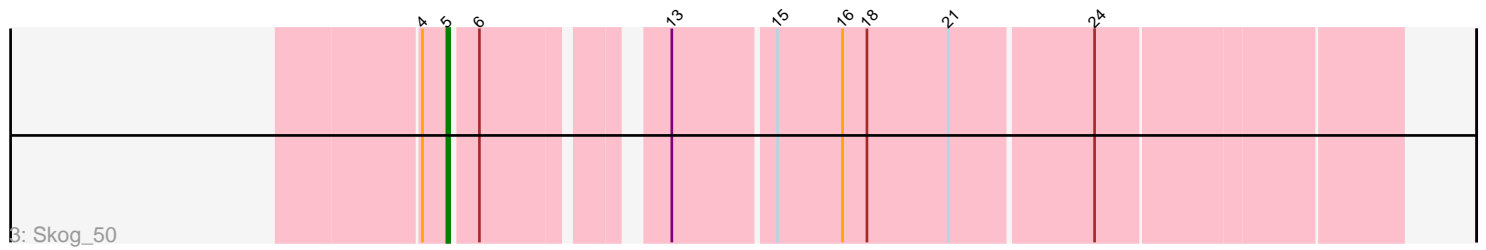
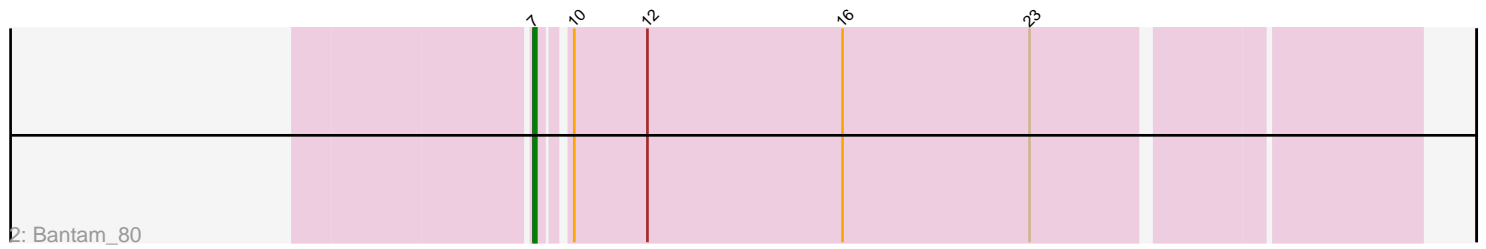
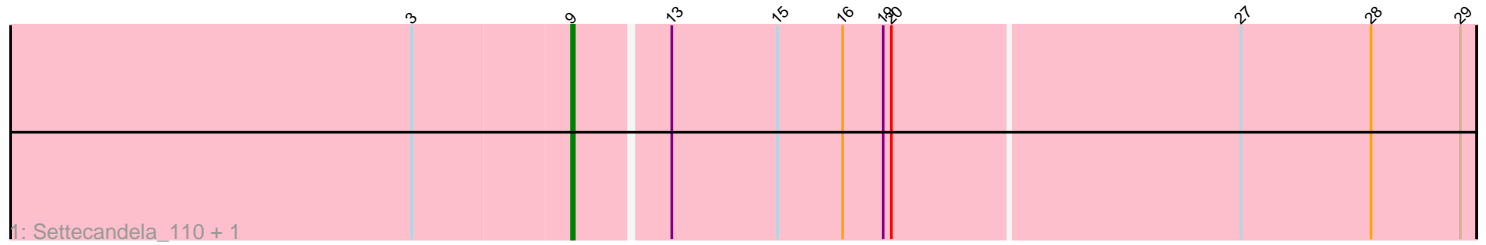


Pham 88060



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 88060 Report

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

Pham number 88060 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Settecandela_110, Phrappuccino_110
- Track 2 : Bantam_80
- Track 3 : Skog_50
- Track 4 : Trax_69
- Track 5 : Rabbitrun_71
- Track 6 : Neville_67

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bantam_80, Neville_67, Rabbitrun_71, Trax_69,

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

-

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

- Phrappuccino_110, Settecandela_110, Skog_50,

Summary by start number:

Start 5:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Skog_50 (DO),

Start 7:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bantam_80 (DL), Neville_67 (DU2), Rabbitrun_71 (DU2), Trax_69 (DU2),

Start 9:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phrappuccino_110 (AA), Settecandela_110 (AA),

Summary by clusters:

There are 4 clusters represented in this pham: AA, DO, DU2, DL,

Info for manual annotations of cluster AA:

- Start number 9 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster DL:

- Start number 7 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DO:

- Start number 5 was manually annotated 1 time for cluster DO.

Info for manual annotations of cluster DU2:

- Start number 7 was manually annotated 3 times for cluster DU2.

Gene Information:

Gene: Bantam_80 Start: 55715, Stop: 55404, Start Num: 7

Candidate Starts for Bantam_80:

(Start: 7 @55715 has 4 MA's), (10, 55706), (12, 55679), (16, 55607), (23, 55538),

Gene: Neville_67 Start: 43674, Stop: 43961, Start Num: 7

Candidate Starts for Neville_67:

(Start: 7 @43674 has 4 MA's), (14, 43755), (16, 43782), (17, 43788), (22, 43842), (25, 43887),

Gene: Phrappuccino_110 Start: 80119, Stop: 80445, Start Num: 9

Candidate Starts for Phrappuccino_110:

(3, 80062), (Start: 9 @80119 has 2 MA's), (13, 80152), (15, 80191), (16, 80215), (19, 80230), (20, 80233), (27, 80359), (28, 80407), (29, 80440),

Gene: Rabbitrun_71 Start: 44312, Stop: 44590, Start Num: 7

Candidate Starts for Rabbitrun_71:

(1, 44150), (2, 44216), (Start: 7 @44312 has 4 MA's), (8, 44318), (13, 44363), (14, 44399), (16, 44426), (17, 44432), (25, 44531), (26, 44558),

Gene: Settecandela_110 Start: 80119, Stop: 80445, Start Num: 9

Candidate Starts for Settecandela_110:

(3, 80062), (Start: 9 @80119 has 2 MA's), (13, 80152), (15, 80191), (16, 80215), (19, 80230), (20, 80233), (27, 80359), (28, 80407), (29, 80440),

Gene: Skog_50 Start: 21684, Stop: 22004, Start Num: 5

Candidate Starts for Skog_50:

(4, 21675), (Start: 5 @21684 has 1 MA's), (6, 21693), (13, 21747), (15, 21783), (16, 21807), (18, 21816), (21, 21846), (24, 21897),

Gene: Trax_69 Start: 44353, Stop: 44643, Start Num: 7

Candidate Starts for Trax_69:

(Start: 7 @44353 has 4 MA's), (11, 44386), (13, 44401), (16, 44464), (17, 44470), (22, 44524), (25, 44569),