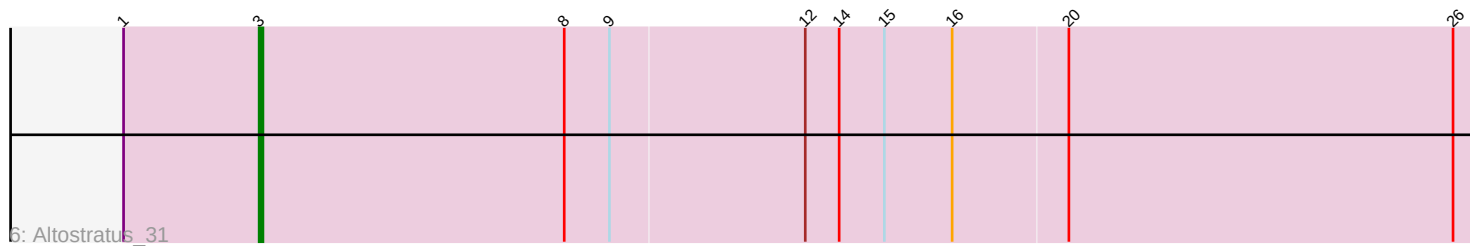
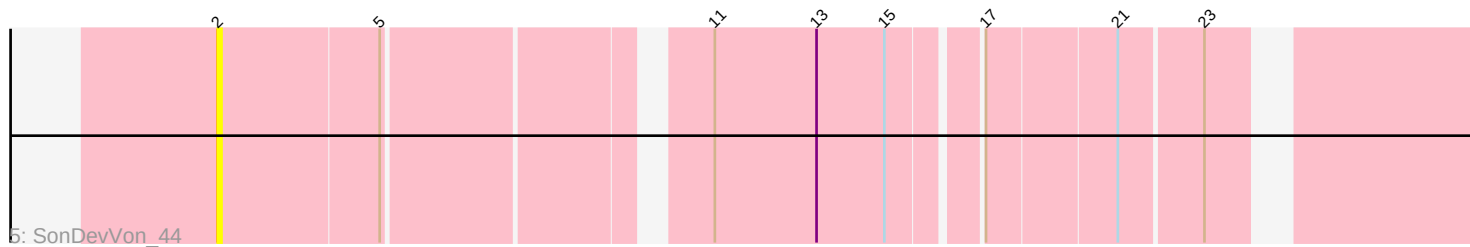
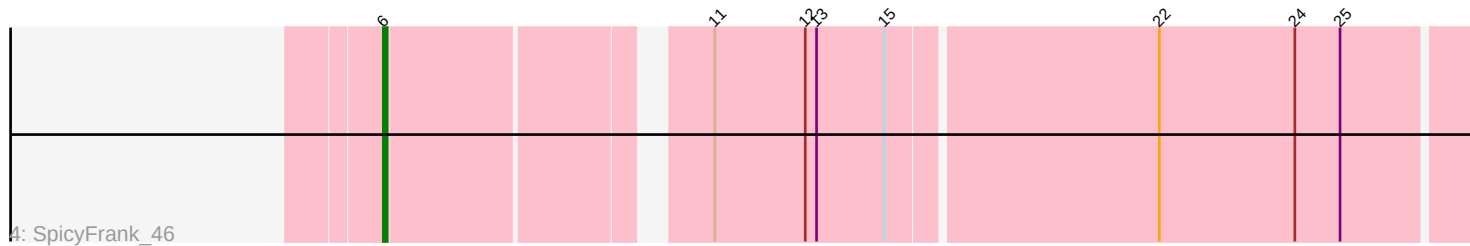
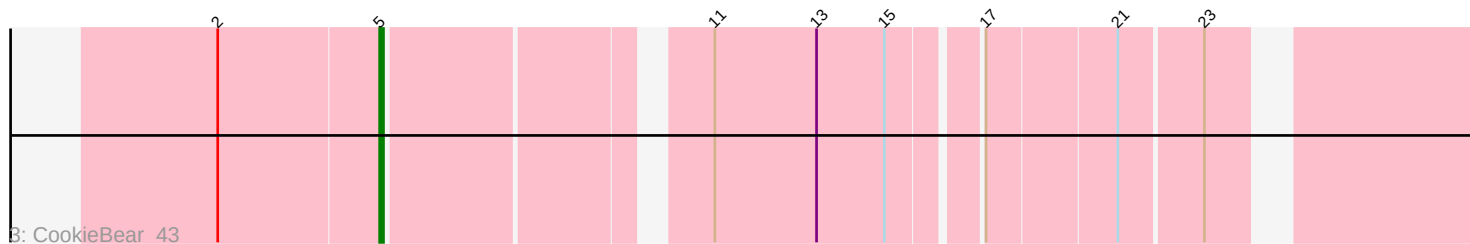
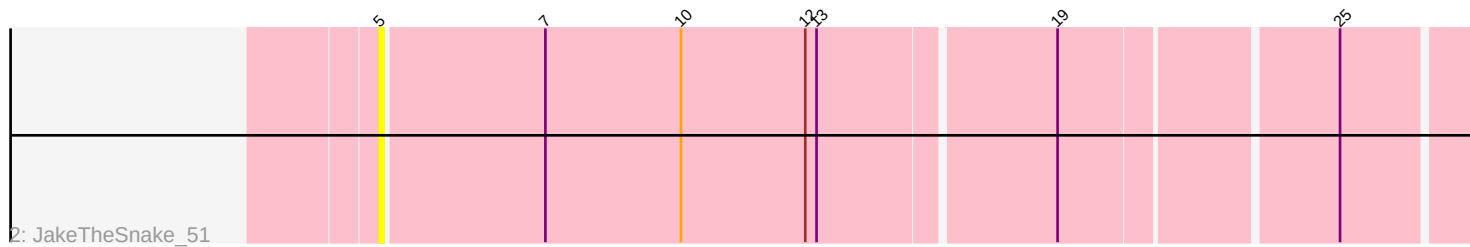
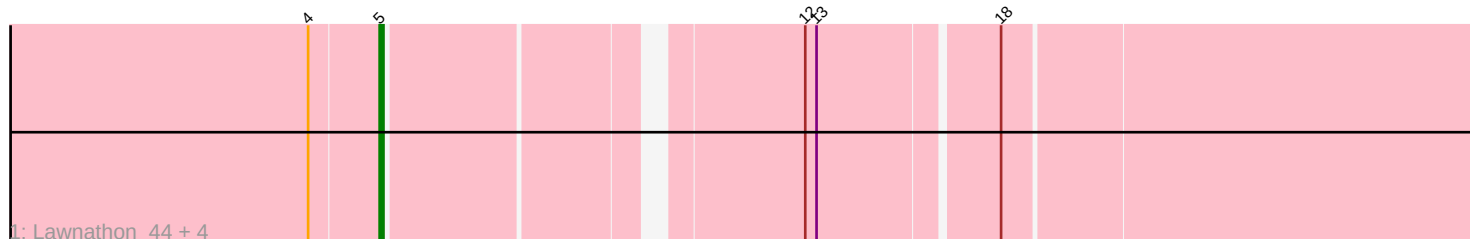


Pham 331477



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 331477 Report

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

Pham number 331477 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Lawnathon_44, Richie_44, Faja_41, BasketStar_43, Raphaella_42
- Track 2 : JakeTheSnake_51
- Track 3 : CookieBear_43
- Track 4 : SpicyFrank_46
- Track 5 : SonDevVon_44
- Track 6 : Altostratus_31

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BasketStar_43, CookieBear_43, Faja_41, JakeTheSnake_51, Lawnathon_44, Raphaella_42, Richie_44,

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

- SonDevVon_44,

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

- Altostratus_31, SpicyFrank_46,

Summary by start number:

Start 2:

- Found in 2 of 10 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: SonDevVon_44 (AY),

Start 3:

- Found in 1 of 10 (10.0%) 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: Altostratus_31 (FS),

Start 5:

- Found in 8 of 10 (80.0%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 87.5% of time when present
- Phage (with cluster) where this start called: BasketStar_43 (AY), CookieBear_43 (AY), Faja_41 (AY), JakeTheSnake_51 (AY), Lawnathon_44 (AY), Raphaella_42 (AY), Richie_44 (AY),

Start 6:

- Found in 1 of 10 (10.0%) 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: SpicyFrank_46 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FS,

Info for manual annotations of cluster AY:

- Start number 5 was manually annotated 5 times for cluster AY.
- Start number 6 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FS:

- Start number 3 was manually annotated 1 time for cluster FS.

Gene Information:

Gene: Altostratus_31 Start: 23118, Stop: 22798, Start Num: 3

Candidate Starts for Altostratus_31:

(1, 23154), (Start: 3 @23118 has 1 MA's), (8, 23037), (9, 23025), (12, 22974), (14, 22965), (15, 22953), (16, 22935), (20, 22905), (26, 22803),

Gene: BasketStar_43 Start: 28707, Stop: 28438, Start Num: 5

Candidate Starts for BasketStar_43:

(4, 28725), (Start: 5 @28707 has 5 MA's), (12, 28608), (13, 28605), (18, 28560),

Gene: CookieBear_43 Start: 28808, Stop: 28554, Start Num: 5

Candidate Starts for CookieBear_43:

(2, 28850), (Start: 5 @28808 has 5 MA's), (11, 28733), (13, 28706), (15, 28688), (17, 28667), (21, 28634), (23, 28613),

Gene: Faja_41 Start: 29504, Stop: 29235, Start Num: 5

Candidate Starts for Faja_41:

(4, 29522), (Start: 5 @29504 has 5 MA's), (12, 29405), (13, 29402), (18, 29357),

Gene: JakeTheSnake_51 Start: 31576, Stop: 31851, Start Num: 5

Candidate Starts for JakeTheSnake_51:

(Start: 5 @31576 has 5 MA's), (7, 31618), (10, 31654), (12, 31687), (13, 31690), (19, 31750), (25, 31819),

Gene: Lawnathon_44 Start: 28624, Stop: 28355, Start Num: 5

Candidate Starts for Lawnathon_44:

(4, 28642), (Start: 5 @28624 has 5 MA's), (12, 28525), (13, 28522), (18, 28477),

Gene: Raphaella_42 Start: 28164, Stop: 27895, Start Num: 5

Candidate Starts for Raphaella_42:

(4, 28182), (Start: 5 @28164 has 5 MA's), (12, 28065), (13, 28062), (18, 28017),

Gene: Richie_44 Start: 28785, Stop: 28516, Start Num: 5

Candidate Starts for Richie_44:

(4, 28803), (Start: 5 @28785 has 5 MA's), (12, 28686), (13, 28683), (18, 28638),

Gene: SonDevVon_44 Start: 29061, Stop: 28765, Start Num: 2

Candidate Starts for SonDevVon_44:

(2, 29061), (Start: 5 @29019 has 5 MA's), (11, 28944), (13, 28917), (15, 28899), (17, 28878), (21, 28845), (23, 28824),

Gene: SpicyFrank_46 Start: 29525, Stop: 29256, Start Num: 6

Candidate Starts for SpicyFrank_46:

(Start: 6 @29525 has 1 MA's), (11, 29450), (12, 29426), (13, 29423), (15, 29405), (22, 29336), (24, 29300), (25, 29288),