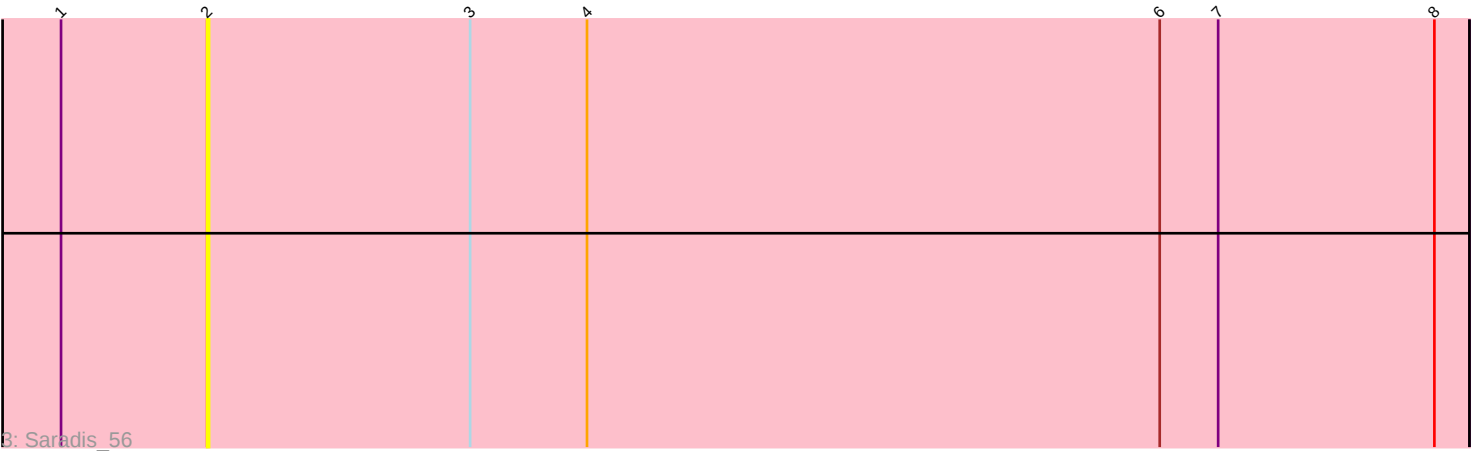
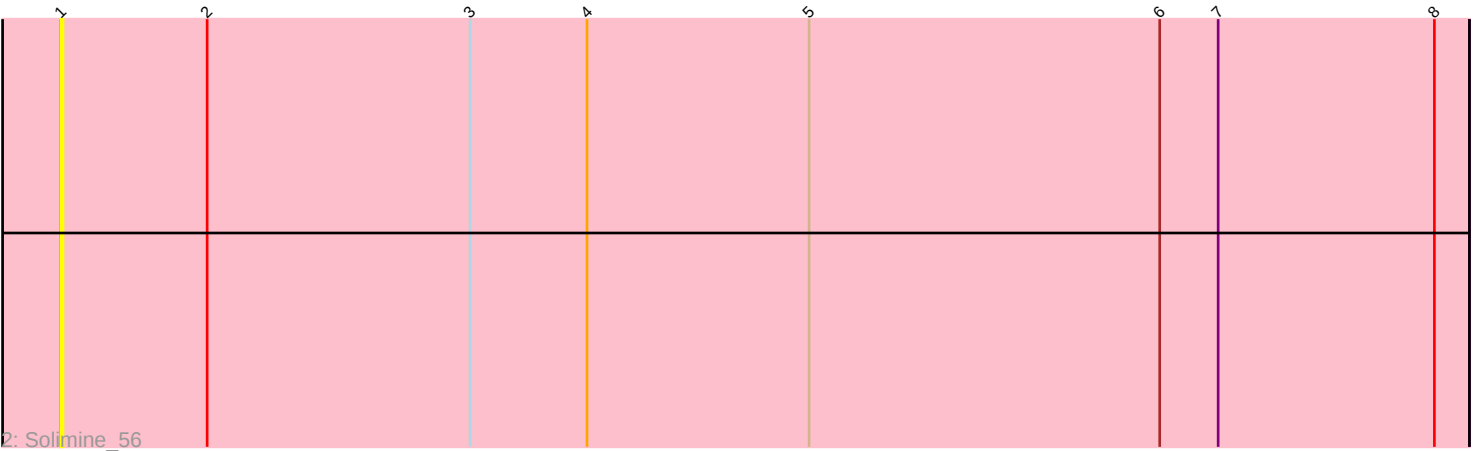
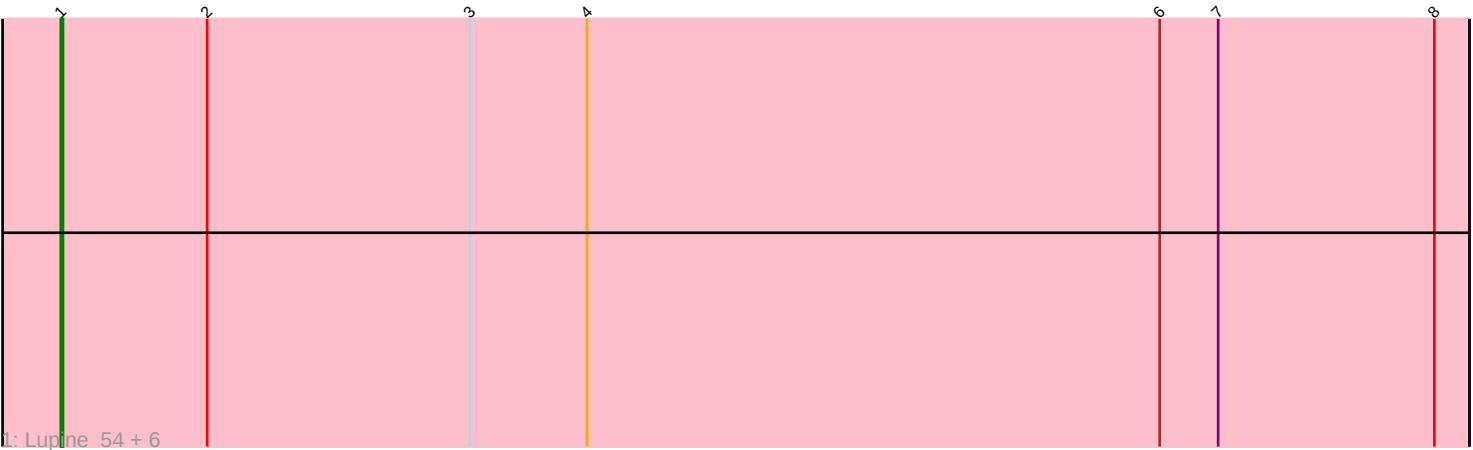




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 309806 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 309806 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Lupine_54, Roman_56, DejaVu_57, PhillyPhilly_55, Pavlo_55, Uterion_58, Hubbs_56
- Track 2 : Solimine_56
- Track 3 : Saradis_56

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DejaVu_57, Hubbs_56, Lupine_54, Pavlo_55, PhillyPhilly_55, Roman_56, Solimine_56, Uterion_58,

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

- Saradis_56,

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

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Summary by start number:

Start 1:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 88.9% of time when present
- Phage (with cluster) where this start called: DejaVu_57 (ED1), Hubbs_56 (ED1), Lupine_54 (ED1), Pavlo_55 (ED1), PhillyPhilly_55 (ED1), Roman_56 (ED1), Solimine_56 (ED1), Uterion_58 (ED1),

Start 2:

- Found in 9 of 9 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Saradis_56 (ED1),

Summary by clusters:

There is one cluster represented in this pham: ED1

Info for manual annotations of cluster ED1:

- Start number 1 was manually annotated 6 times for cluster ED1.

Gene Information:

Gene: DejaVu_57 Start: 33361, Stop: 34083, Start Num: 1

Candidate Starts for DejaVu_57:

(Start: 1 @33361 has 6 MA's), (2, 33436), (3, 33571), (4, 33631), (6, 33925), (7, 33955), (8, 34066),

Gene: Hubbs_56 Start: 33573, Stop: 34295, Start Num: 1

Candidate Starts for Hubbs_56:

(Start: 1 @33573 has 6 MA's), (2, 33648), (3, 33783), (4, 33843), (6, 34137), (7, 34167), (8, 34278),

Gene: Lupine_54 Start: 32775, Stop: 33497, Start Num: 1

Candidate Starts for Lupine_54:

(Start: 1 @32775 has 6 MA's), (2, 32850), (3, 32985), (4, 33045), (6, 33339), (7, 33369), (8, 33480),

Gene: Pavlo_55 Start: 33420, Stop: 34142, Start Num: 1

Candidate Starts for Pavlo_55:

(Start: 1 @33420 has 6 MA's), (2, 33495), (3, 33630), (4, 33690), (6, 33984), (7, 34014), (8, 34125),

Gene: PhillyPhilly_55 Start: 32954, Stop: 33676, Start Num: 1

Candidate Starts for PhillyPhilly_55:

(Start: 1 @32954 has 6 MA's), (2, 33029), (3, 33164), (4, 33224), (6, 33518), (7, 33548), (8, 33659),

Gene: Roman_56 Start: 33421, Stop: 34143, Start Num: 1

Candidate Starts for Roman_56:

(Start: 1 @33421 has 6 MA's), (2, 33496), (3, 33631), (4, 33691), (6, 33985), (7, 34015), (8, 34126),

Gene: Saradis_56 Start: 33088, Stop: 33735, Start Num: 2

Candidate Starts for Saradis_56:

(Start: 1 @33013 has 6 MA's), (2, 33088), (3, 33223), (4, 33283), (6, 33577), (7, 33607), (8, 33718),

Gene: Solimine_56 Start: 33427, Stop: 34149, Start Num: 1

Candidate Starts for Solimine_56:

(Start: 1 @33427 has 6 MA's), (2, 33502), (3, 33637), (4, 33697), (5, 33811), (6, 33991), (7, 34021), (8, 34132),

Gene: Uterion_58 Start: 33522, Stop: 34244, Start Num: 1

Candidate Starts for Uterion_58:

(Start: 1 @33522 has 6 MA's), (2, 33597), (3, 33732), (4, 33792), (6, 34086), (7, 34116), (8, 34227),

