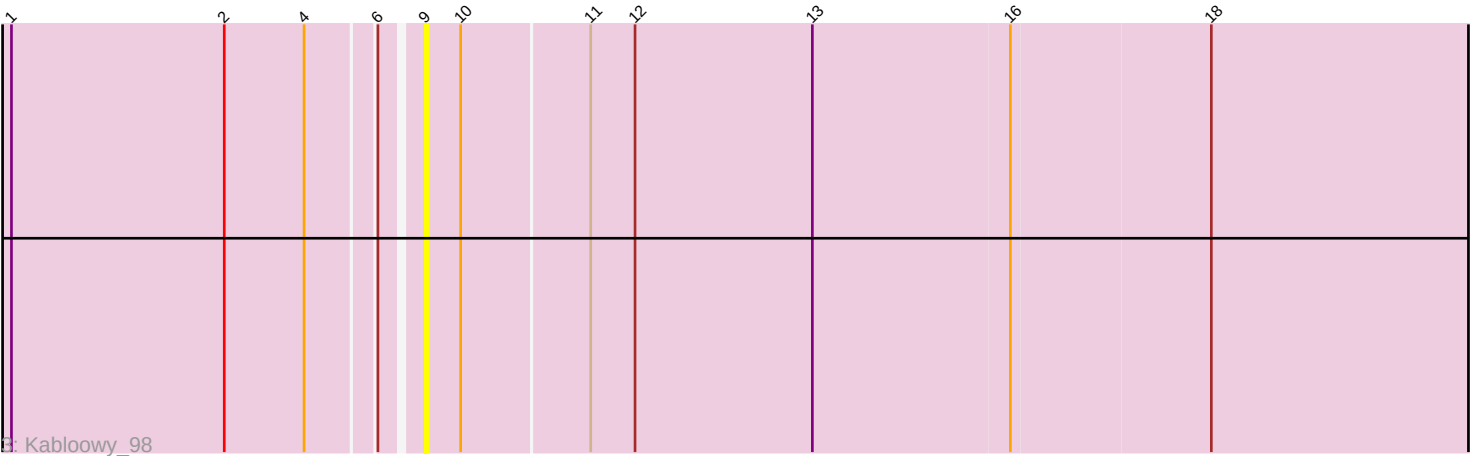
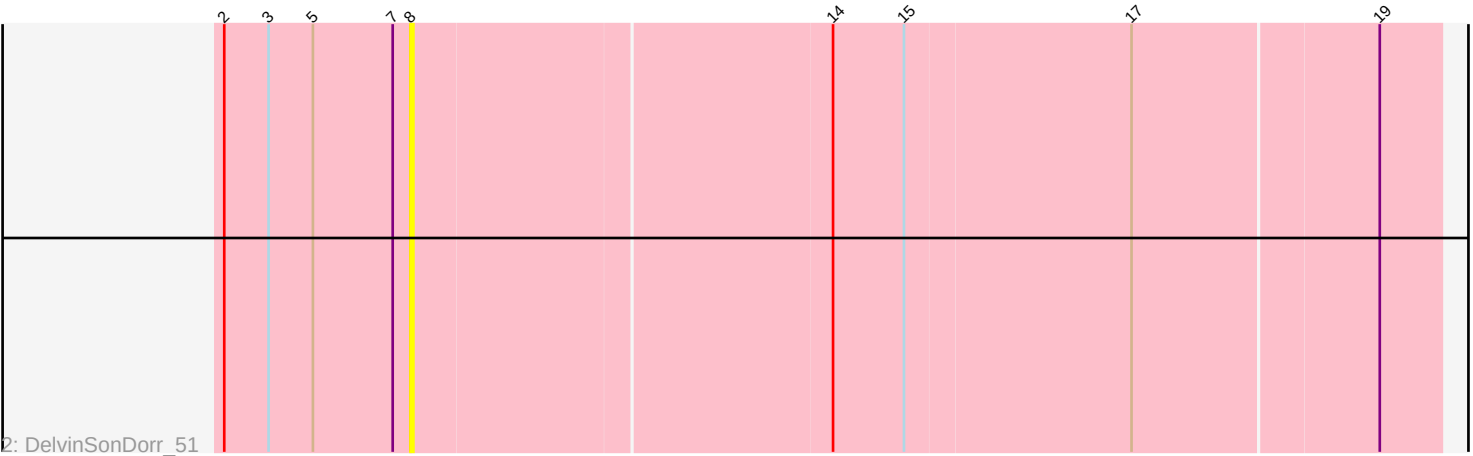
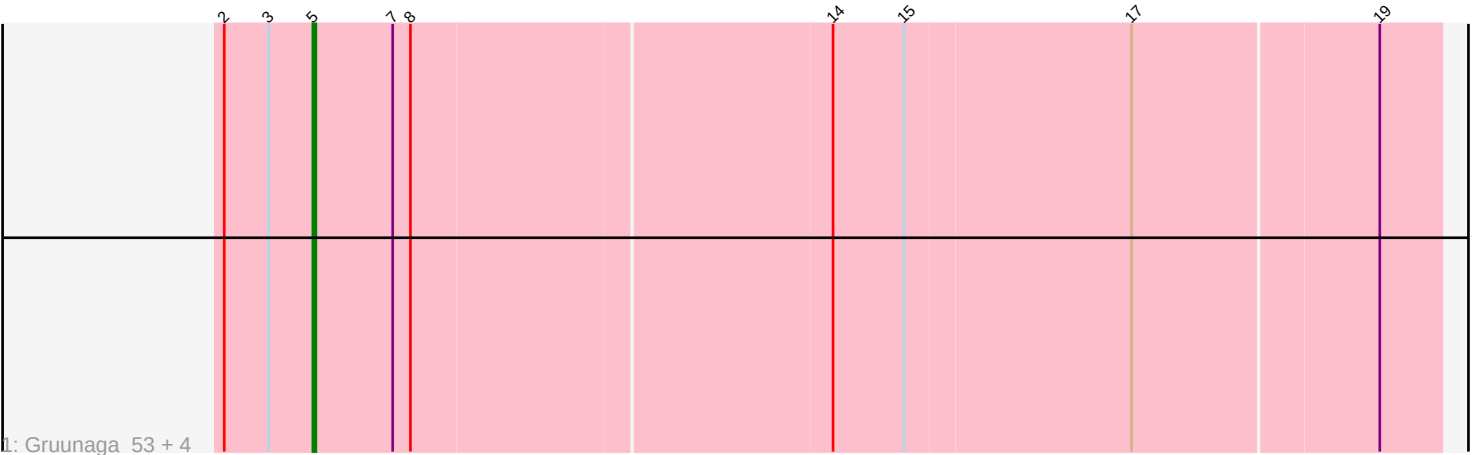




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 288470 Report

This analysis was run 03/28/26 on database version 641.

Pham number 288470 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Gruunaga_53, CloudWang3_53, Artemis2UCLA_53, Koko_54, Roksolana_54
- Track 2 : DelvinSonDorr_51
- Track 3 : Kabloowy_98

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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artemis2UCLA_53, CloudWang3_53, Gruunaga_53, Koko_54, Roksolana_54,

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

- DelvinSonDorr_51,

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

- Kabloowy_98,

Summary by start number:

Start 5:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Artemis2UCLA_53 (A6), CloudWang3_53 (A6), Gruunaga_53 (A6), Koko_54 (A6), Roksolana_54 (A6),

Start 8:

- Found in 6 of 7 (85.7%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: DelvinSonDorr_51 (A6),

Start 9:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kabloowy_98 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, A6,

Info for manual annotations of cluster A6:

- Start number 5 was manually annotated 5 times for cluster A6.

Gene Information:

Gene: Artemis2UCLA_53 Start: 32856, Stop: 32485, Start Num: 5

Candidate Starts for Artemis2UCLA_53:

(2, 32886), (3, 32871), (Start: 5 @32856 has 5 MA's), (7, 32829), (8, 32823), (14, 32685), (15, 32661), (17, 32586), (19, 32505),

Gene: CloudWang3_53 Start: 32944, Stop: 32573, Start Num: 5

Candidate Starts for CloudWang3_53:

(2, 32974), (3, 32959), (Start: 5 @32944 has 5 MA's), (7, 32917), (8, 32911), (14, 32773), (15, 32749), (17, 32674), (19, 32593),

Gene: DelvinSonDorr_51 Start: 32982, Stop: 32644, Start Num: 8

Candidate Starts for DelvinSonDorr_51:

(2, 33045), (3, 33030), (Start: 5 @33015 has 5 MA's), (7, 32988), (8, 32982), (14, 32844), (15, 32820), (17, 32745), (19, 32664),

Gene: Gruunaga_53 Start: 33147, Stop: 32776, Start Num: 5

Candidate Starts for Gruunaga_53:

(2, 33177), (3, 33162), (Start: 5 @33147 has 5 MA's), (7, 33120), (8, 33114), (14, 32976), (15, 32952), (17, 32877), (19, 32796),

Gene: Kabloowy_98 Start: 53150, Stop: 53521, Start Num: 9

Candidate Starts for Kabloowy_98:

(1, 53018), (2, 53090), (4, 53117), (6, 53138), (9, 53150), (10, 53162), (11, 53204), (12, 53219), (13, 53279), (16, 53345), (18, 53411),

Gene: Koko_54 Start: 33284, Stop: 32913, Start Num: 5

Candidate Starts for Koko_54:

(2, 33314), (3, 33299), (Start: 5 @33284 has 5 MA's), (7, 33257), (8, 33251), (14, 33113), (15, 33089), (17, 33014), (19, 32933),

Gene: Roksolana_54 Start: 33190, Stop: 32819, Start Num: 5

Candidate Starts for Roksolana_54:

(2, 33220), (3, 33205), (Start: 5 @33190 has 5 MA's), (7, 33163), (8, 33157), (14, 33019), (15, 32995), (17, 32920), (19, 32839),