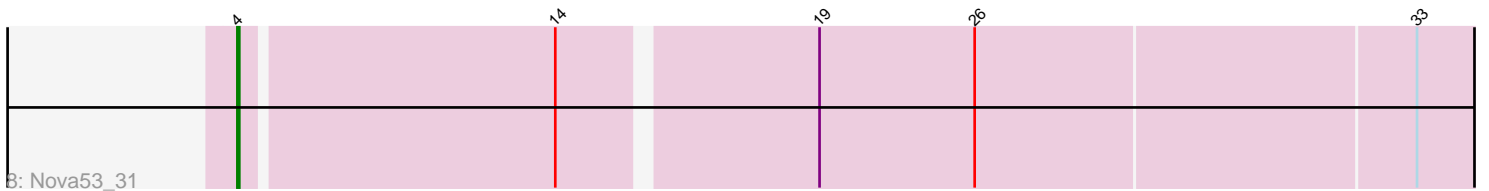
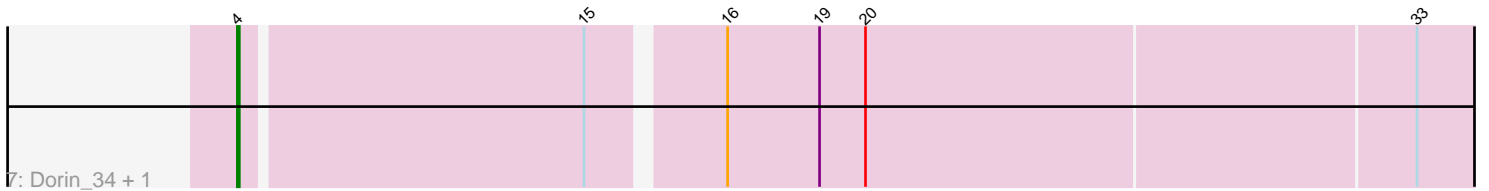
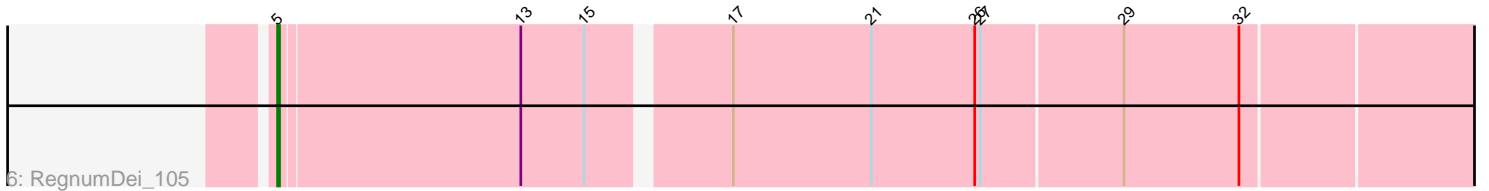
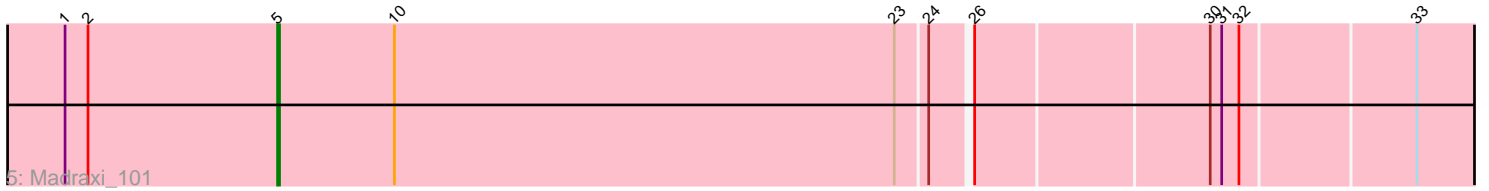
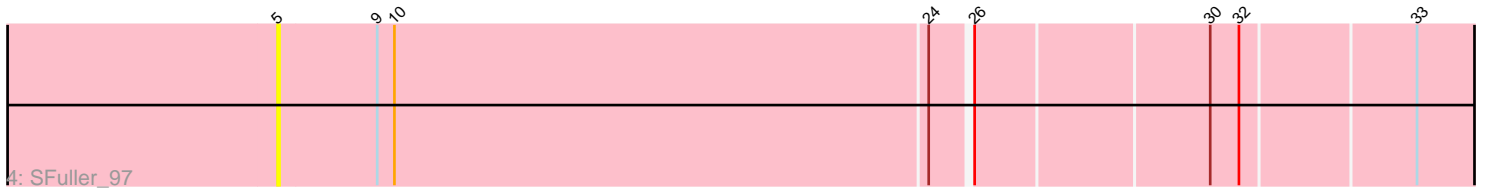
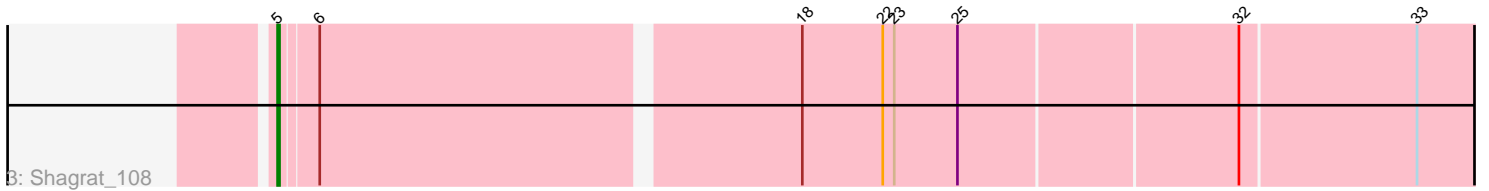
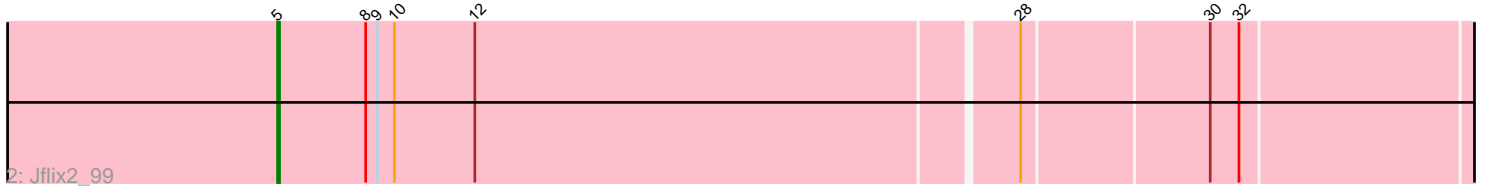
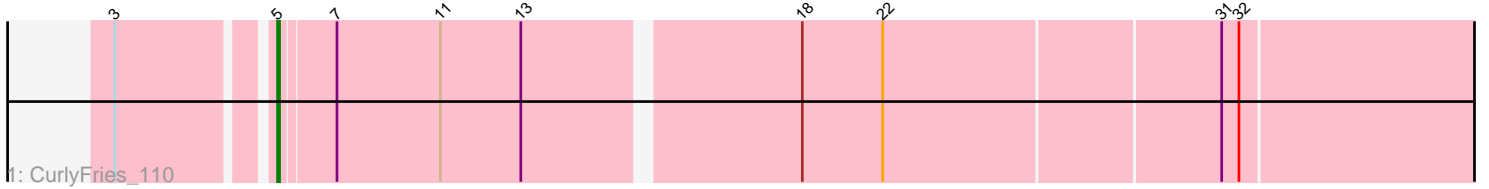


Pham 297224



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 297224 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297224 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : CurlyFries_110
- Track 2 : Jflix2_99
- Track 3 : Shagrat_108
- Track 4 : SFuller_97
- Track 5 : Madraxi_101
- Track 6 : RegnumDei_105
- Track 7 : Dorin_34, Francesca_33
- Track 8 : Nova53_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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CurlyFries_110, Jflix2_99, Madraxi_101, RegnumDei_105, SFuller_97, Shagrat_108,

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

-

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

- Dorin_34, Francesca_33, Nova53_31,

Summary by start number:

Start 4:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorin_34 (CG), Francesca_33 (CG), Nova53_31 (CG),

Start 5:

- Found in 6 of 9 (66.7%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CurlyFries_110 (CF), Jflix2_99 (CF), Madraxi_101 (CF), RegnumDei_105 (CF), SFuller_97 (CF), Shagrat_108 (CF),

Summary by clusters:

There are 2 clusters represented in this pham: CG, CF,

Info for manual annotations of cluster CF:

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

Info for manual annotations of cluster CG:

- Start number 4 was manually annotated 3 times for cluster CG.

Gene Information:

Gene: CurlyFries_110 Start: 56401, Stop: 57021, Start Num: 5

Candidate Starts for CurlyFries_110:

(3, 56329), (Start: 5 @56401 has 5 MA's), (7, 56428), (11, 56482), (13, 56524), (18, 56659), (22, 56701), (31, 56872), (32, 56881),

Gene: Dorin_34 Start: 15081, Stop: 14437, Start Num: 4

Candidate Starts for Dorin_34:

(Start: 4 @15081 has 3 MA's), (15, 14907), (16, 14844), (19, 14796), (20, 14772), (33, 14490),

Gene: Francesca_33 Start: 15203, Stop: 14559, Start Num: 4

Candidate Starts for Francesca_33:

(Start: 4 @15203 has 3 MA's), (15, 15029), (16, 14966), (19, 14918), (20, 14894), (33, 14612),

Gene: Jflix2_99 Start: 56491, Stop: 57111, Start Num: 5

Candidate Starts for Jflix2_99:

(Start: 5 @56491 has 5 MA's), (8, 56536), (9, 56542), (10, 56551), (12, 56593), (28, 56869), (30, 56962), (32, 56977),

Gene: Madraxi_101 Start: 58653, Stop: 59276, Start Num: 5

Candidate Starts for Madraxi_101:

(1, 58542), (2, 58554), (Start: 5 @58653 has 5 MA's), (10, 58713), (23, 58974), (24, 58989), (26, 59007), (30, 59124), (31, 59130), (32, 59139), (33, 59226),

Gene: Nova53_31 Start: 15259, Stop: 14615, Start Num: 4

Candidate Starts for Nova53_31:

(Start: 4 @15259 has 3 MA's), (14, 15100), (19, 14974), (26, 14893), (33, 14668),

Gene: RegnumDei_105 Start: 57655, Stop: 58278, Start Num: 5

Candidate Starts for RegnumDei_105:

(Start: 5 @57655 has 5 MA's), (13, 57778), (15, 57811), (17, 57877), (21, 57949), (26, 58003), (27, 58006), (29, 58078), (32, 58138),

Gene: SFuller_97 Start: 56549, Stop: 57172, Start Num: 5

Candidate Starts for SFuller_97:

(Start: 5 @56549 has 5 MA's), (9, 56600), (10, 56609), (24, 56885), (26, 56903), (30, 57020), (32, 57035), (33, 57122),

Gene: Shagrat_108 Start: 56706, Stop: 57326, Start Num: 5

Candidate Starts for Shagrat_108:

(Start: 5 @56706 has 5 MA's), (6, 56724), (18, 56964), (22, 57006), (23, 57012), (25, 57045), (32, 57186), (33, 57276),