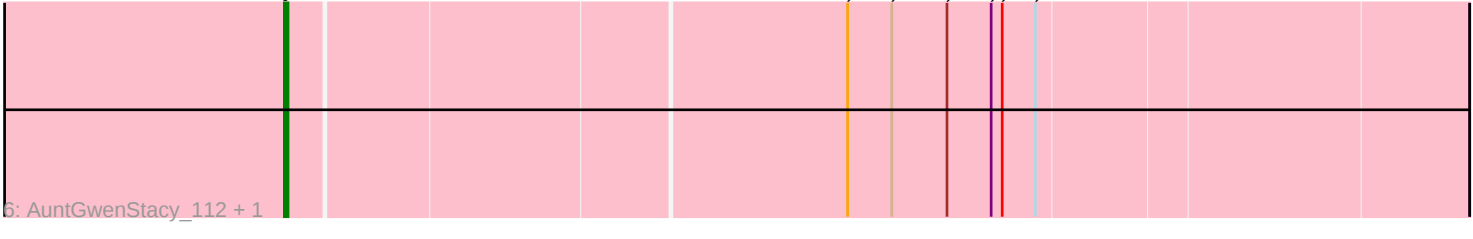
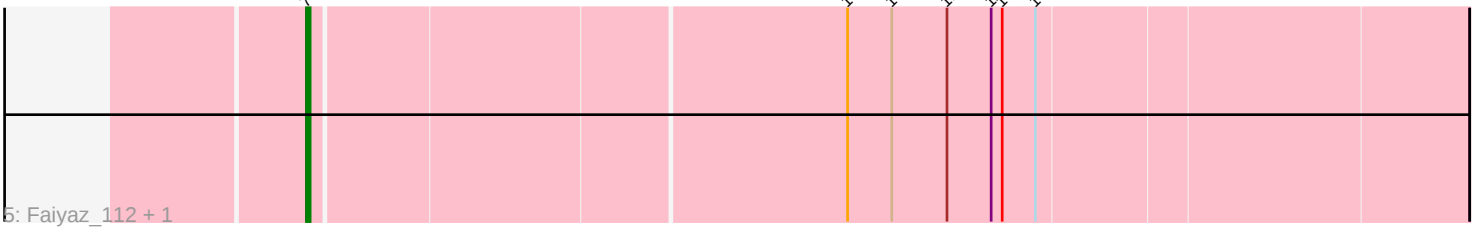
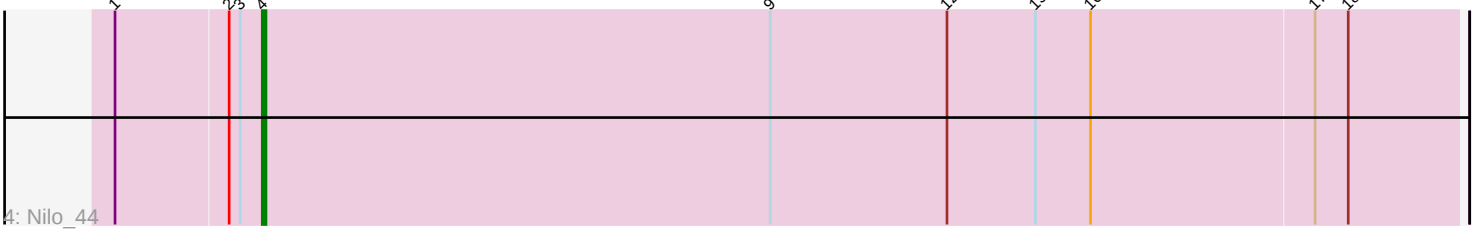
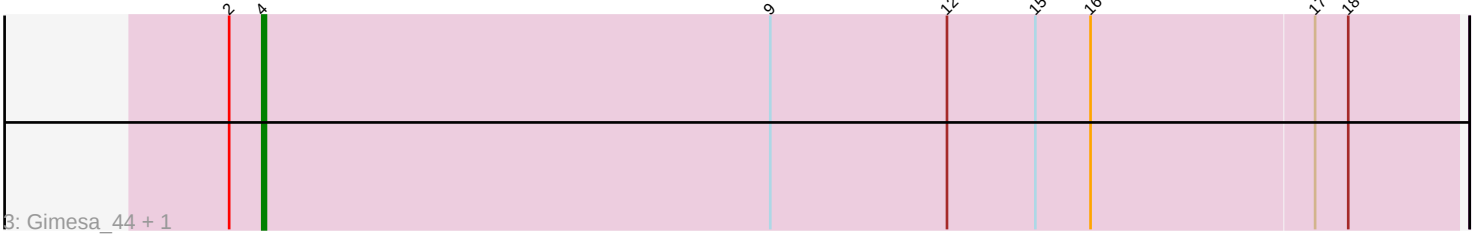
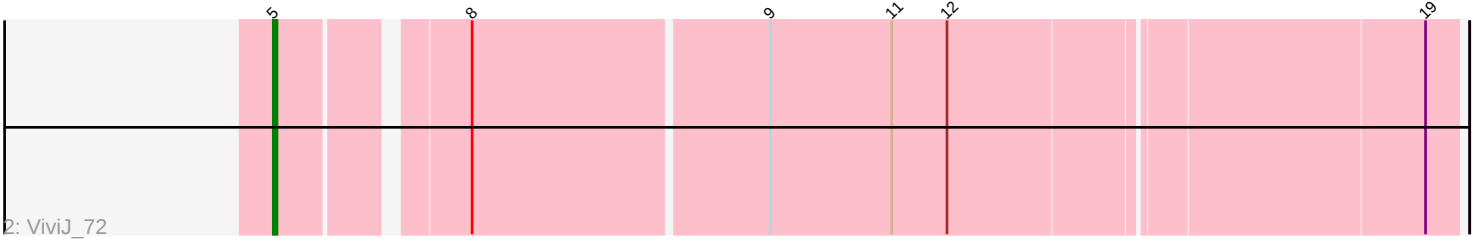
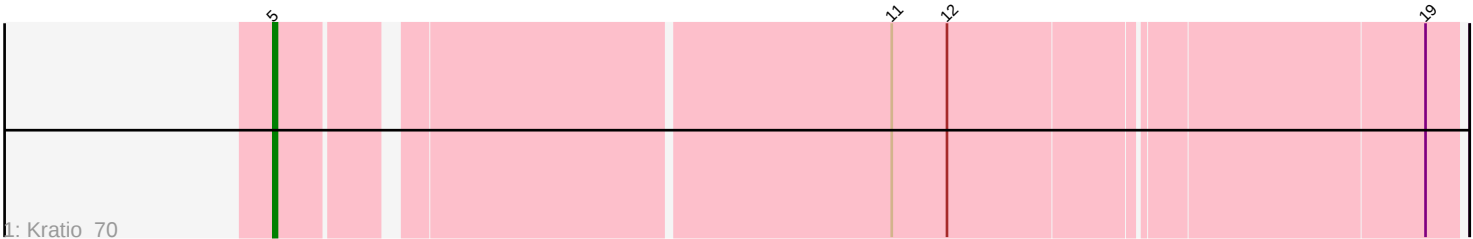


Pham 309941



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 309941 Report

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

Pham number 309941 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Kratio_70
- Track 2 : ViviJ_72
- Track 3 : Gimesa_44, Yelo_42
- Track 4 : Nilo_44
- Track 5 : Faiyaz_112, Hilltopfarm_114
- Track 6 : AuntGwenStacy_112, Typha_111

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

The start number called the most often in the published annotations is 4, it was called in 2 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gimesa_44, Nilo_44, Yelo_42,

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

-

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

- AuntGwenStacy_112, Faiyaz_112, Hilltopfarm_114, Kratio_70, Typha_111, ViviJ_72,

Summary by start number:

Start 4:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gimesa_44 (R), Nilo_44 (R), Yelo_42 (R),

Start 5:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 8

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kratio_70 (K5), ViviJ_72 (K5),

Start 6:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_112 (Y), Typha_111 (Y),

Start 7:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Faiyaz_112 (Y), Hilltopfarm_114 (Y),

Summary by clusters:

There are 3 clusters represented in this pham: Y, R, K5,

Info for manual annotations of cluster K5:

- Start number 5 was manually annotated 2 times for cluster K5.

Info for manual annotations of cluster R:

- Start number 4 was manually annotated 2 times for cluster R.

Info for manual annotations of cluster Y:

- Start number 6 was manually annotated 2 times for cluster Y.
- Start number 7 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_112 Start: 67581, Stop: 67892, Start Num: 6

Candidate Starts for AuntGwenStacy_112:

(Start: 6 @67581 has 2 MA's), (10, 67728), (11, 67740), (12, 67755), (13, 67767), (14, 67770), (15, 67779),

Gene: Faiyaz_112 Start: 67452, Stop: 67757, Start Num: 7

Candidate Starts for Faiyaz_112:

(Start: 7 @67452 has 2 MA's), (10, 67593), (11, 67605), (12, 67620), (13, 67632), (14, 67635), (15, 67644),

Gene: Gimesa_44 Start: 37708, Stop: 38031, Start Num: 4

Candidate Starts for Gimesa_44:

(2, 37699), (Start: 4 @37708 has 2 MA's), (9, 37846), (12, 37894), (15, 37918), (16, 37933), (17, 37993), (18, 38002),

Gene: Hilltopfarm_114 Start: 68275, Stop: 68580, Start Num: 7

Candidate Starts for Hilltopfarm_114:

(Start: 7 @68275 has 2 MA's), (10, 68416), (11, 68428), (12, 68443), (13, 68455), (14, 68458), (15, 68467),

Gene: Kratio_70 Start: 48508, Stop: 48810, Start Num: 5

Candidate Starts for Kratio_70:

(Start: 5 @48508 has 2 MA's), (11, 48664), (12, 48679), (19, 48802),

Gene: Nilo_44 Start: 37882, Stop: 38205, Start Num: 4

Candidate Starts for Nilo_44:

(1, 37843), (2, 37873), (3, 37876), (Start: 4 @37882 has 2 MA's), (9, 38020), (12, 38068), (15, 38092), (16, 38107), (17, 38167), (18, 38176),

Gene: Typha_111 Start: 67582, Stop: 67893, Start Num: 6

Candidate Starts for Typha_111:

(Start: 6 @67582 has 2 MA's), (10, 67729), (11, 67741), (12, 67756), (13, 67768), (14, 67771), (15, 67780),

Gene: ViviJ_72 Start: 48773, Stop: 49075, Start Num: 5

Candidate Starts for ViviJ_72:

(Start: 5 @48773 has 2 MA's), (8, 48818), (9, 48896), (11, 48929), (12, 48944), (19, 49067),

Gene: Yelo_42 Start: 37898, Stop: 38221, Start Num: 4

Candidate Starts for Yelo_42:

(2, 37889), (Start: 4 @37898 has 2 MA's), (9, 38036), (12, 38084), (15, 38108), (16, 38123), (17, 38183), (18, 38192),