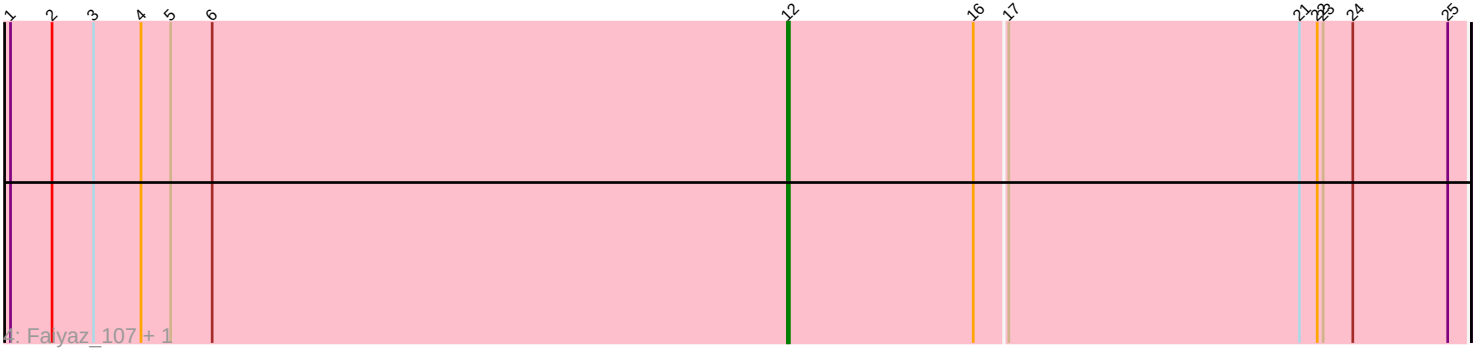
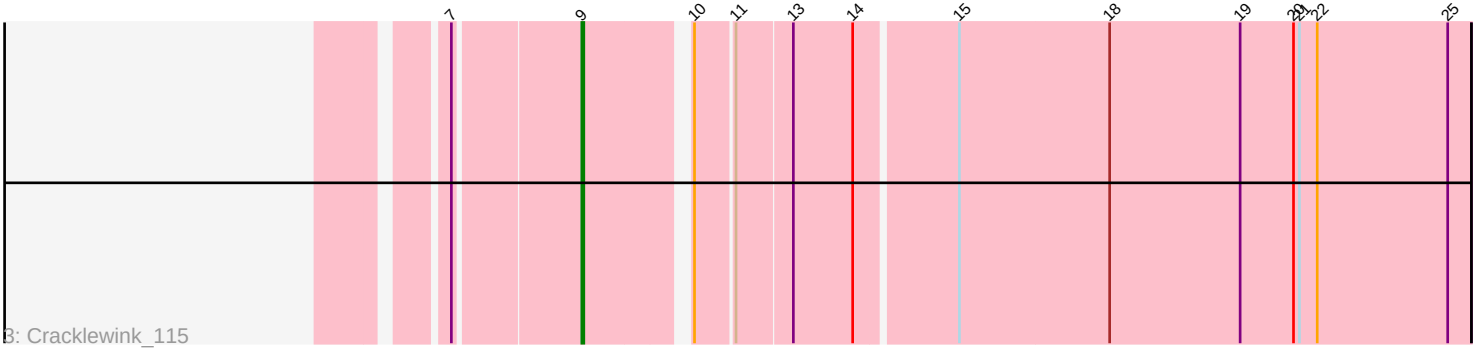
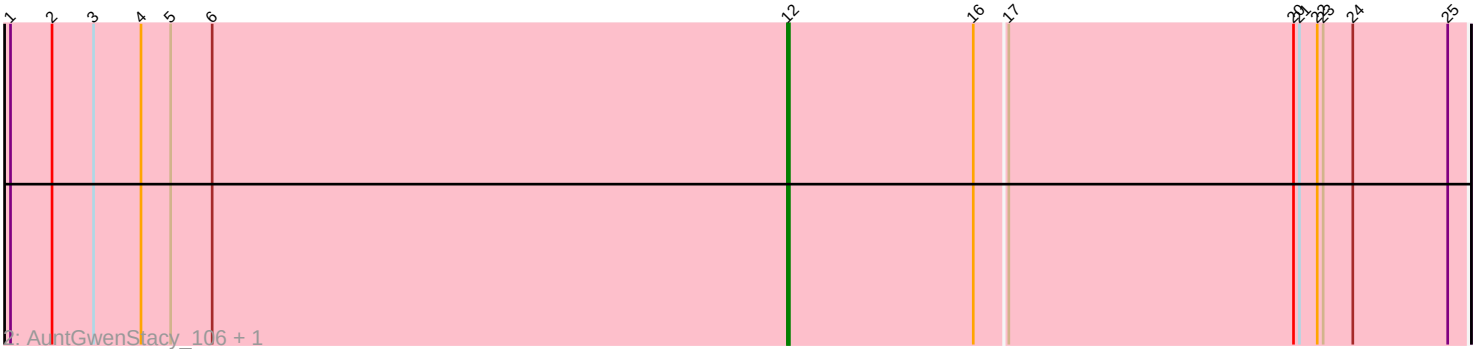
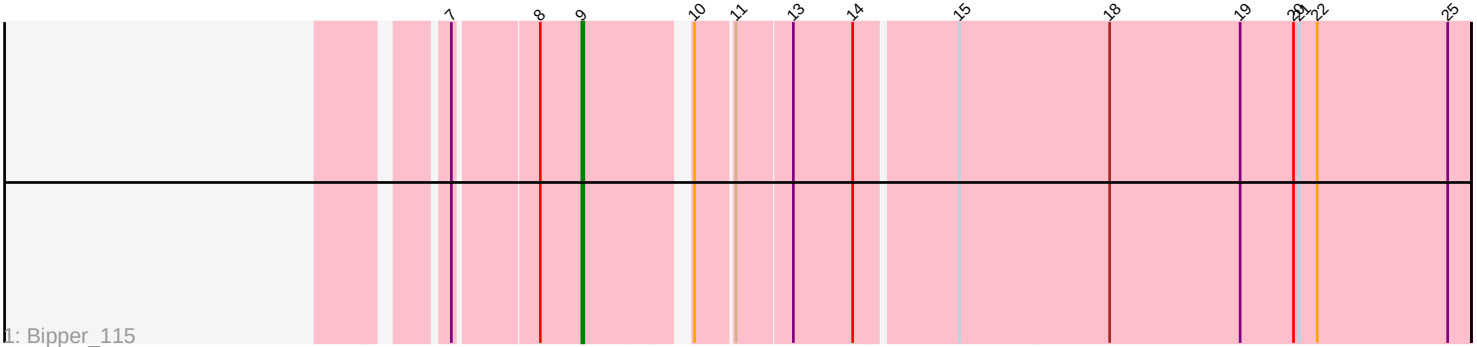


Pham 310127



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 310127 Report

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

Pham number 310127 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Bipper_115
- Track 2 : AuntGwenStacy_106, Typha_105
- Track 3 : Cracklewink_115
- Track 4 : Faiyaz_107, Hilltopfarm_109

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

The start number called the most often in the published annotations is 12, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AuntGwenStacy_106, Faiyaz_107, Hilltopfarm_109, Typha_105,

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

-

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

- Bipper_115, Cracklewink_115,

Summary by start number:

Start 9:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bipper_115 (Y), Cracklewink_115 (Y),

Start 12:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_106 (Y), Faiyaz_107 (Y), Hilltopfarm_109 (Y), Typha_105 (Y),

Summary by clusters:

There is one cluster represented in this pham: Y

Info for manual annotations of cluster Y:

- Start number 9 was manually annotated 2 times for cluster Y.
- Start number 12 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_106 Start: 65286, Stop: 65624, Start Num: 12

Candidate Starts for AuntGwenStacy_106:

(1, 64893), (2, 64914), (3, 64935), (4, 64959), (5, 64974), (6, 64995), (Start: 12 @65286 has 4 MA's), (16, 65379), (17, 65394), (20, 65538), (21, 65541), (22, 65550), (23, 65553), (24, 65568), (25, 65616),

Gene: Bipper_115 Start: 69240, Stop: 69665, Start Num: 9

Candidate Starts for Bipper_115:

(7, 69180), (8, 69219), (Start: 9 @69240 has 2 MA's), (10, 69285), (11, 69303), (13, 69330), (14, 69360), (15, 69408), (18, 69483), (19, 69549), (20, 69576), (21, 69579), (22, 69588), (25, 69654),

Gene: Cracklewink_115 Start: 68392, Stop: 68817, Start Num: 9

Candidate Starts for Cracklewink_115:

(7, 68332), (Start: 9 @68392 has 2 MA's), (10, 68437), (11, 68455), (13, 68482), (14, 68512), (15, 68560), (18, 68635), (19, 68701), (20, 68728), (21, 68731), (22, 68740), (25, 68806),

Gene: Faiyaz_107 Start: 65472, Stop: 65810, Start Num: 12

Candidate Starts for Faiyaz_107:

(1, 65079), (2, 65100), (3, 65121), (4, 65145), (5, 65160), (6, 65181), (Start: 12 @65472 has 4 MA's), (16, 65565), (17, 65580), (21, 65727), (22, 65736), (23, 65739), (24, 65754), (25, 65802),

Gene: Hilltopfarm_109 Start: 66295, Stop: 66633, Start Num: 12

Candidate Starts for Hilltopfarm_109:

(1, 65902), (2, 65923), (3, 65944), (4, 65968), (5, 65983), (6, 66004), (Start: 12 @66295 has 4 MA's), (16, 66388), (17, 66403), (21, 66550), (22, 66559), (23, 66562), (24, 66577), (25, 66625),

Gene: Typha_105 Start: 65287, Stop: 65625, Start Num: 12

Candidate Starts for Typha_105:

(1, 64894), (2, 64915), (3, 64936), (4, 64960), (5, 64975), (6, 64996), (Start: 12 @65287 has 4 MA's), (16, 65380), (17, 65395), (20, 65539), (21, 65542), (22, 65551), (23, 65554), (24, 65569), (25, 65617),