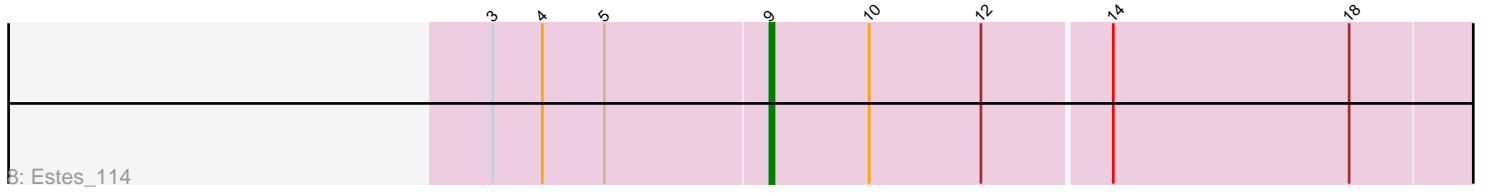
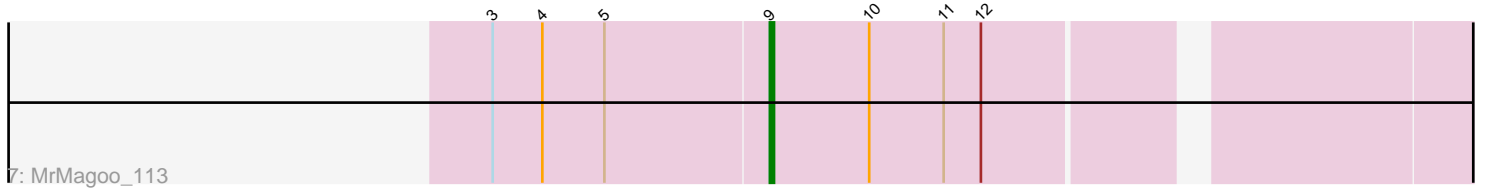
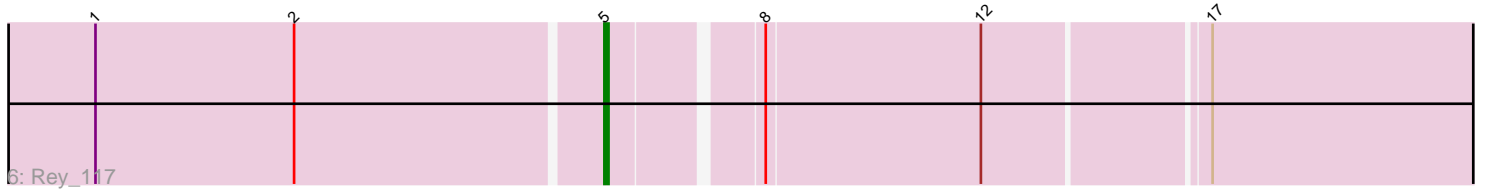
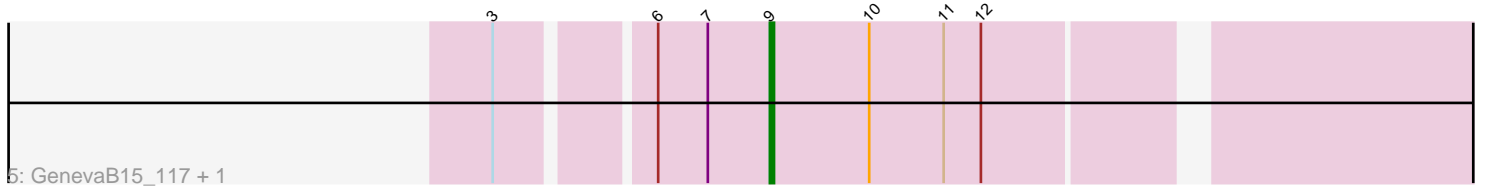
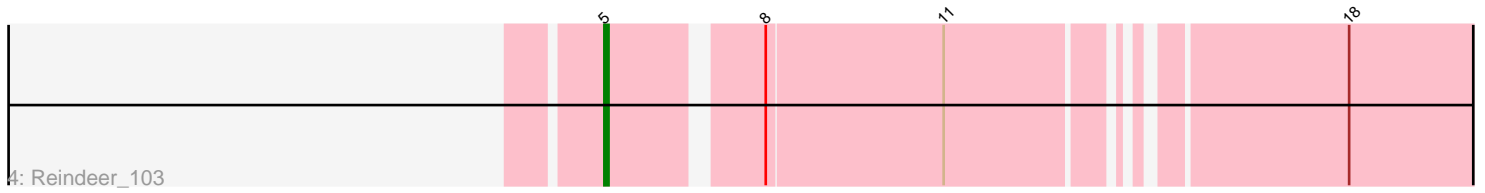
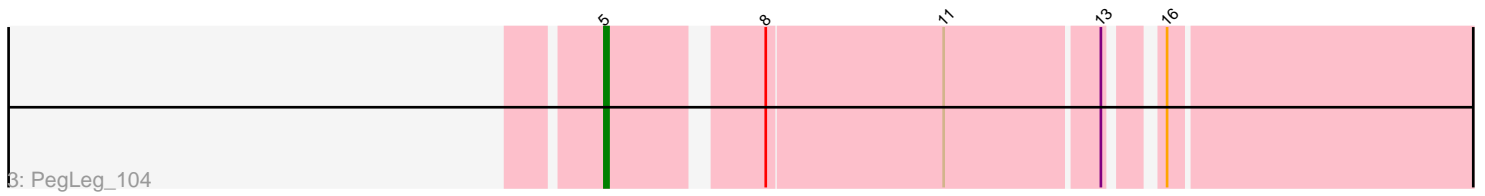
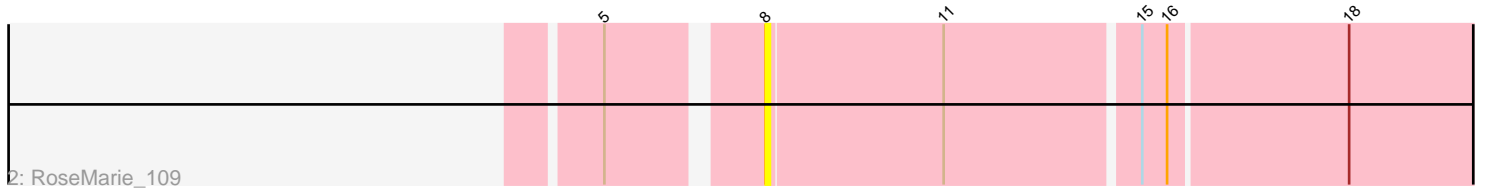
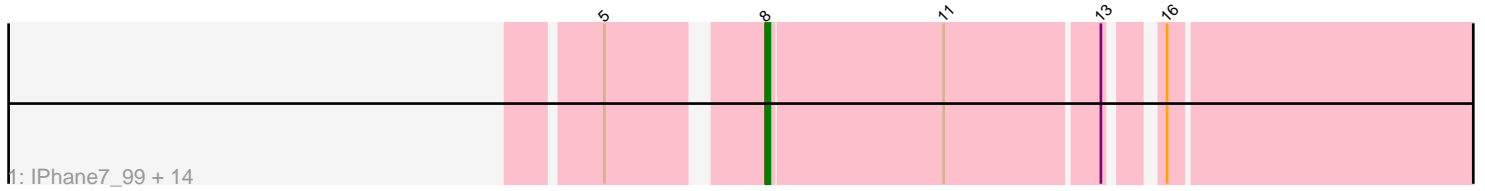


Pham 309231



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 309231 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309231 has 23 members, 3 are drafts.

Phages represented in each track:

- Track 1 : IPhane7_99, TyDawg_98, FreakyGoo_103, LilhomieP_101, Bongo_101, Skinny_106, Bricole_102, Glaske16_104, KleverKiS_103, Diminimus_103, SlimJimmy_103, Izel_103, Auspice_101, Dulcita_103, TpudiCK_103
- Track 2 : RoseMarie_109
- Track 3 : PegLeg_104
- Track 4 : Reindeer_103
- Track 5 : GenevaB15_117, Aziz_113
- Track 6 : Rey_117
- Track 7 : MrMagoo_113
- Track 8 : Estes_114

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

The start number called the most often in the published annotations is 8, it was called in 13 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_101, Bongo_101, Bricole_102, Diminimus_103, Dulcita_103, FreakyGoo_103, Glaske16_104, IPhane7_99, Izel_103, KleverKiS_103, LilhomieP_101, RoseMarie_109, Skinny_106, SlimJimmy_103, TpudiCK_103, TyDawg_98,

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

- PegLeg_104, Reindeer_103, Rey_117,

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

- Aziz_113, Estes_114, GenevaB15_117, MrMagoo_113,

Summary by start number:

Start 5:

- Found in 21 of 23 (91.3%) of genes in pham
- Manual Annotations of this start: 3 of 20
- Called 14.3% of time when present

- Phage (with cluster) where this start called: PegLeg_104 (M1), Reindeer_103 (M1), Rey_117 (M2),

Start 8:

- Found in 19 of 23 (82.6%) of genes in pham
- Manual Annotations of this start: 13 of 20
- Called 84.2% of time when present
- Phage (with cluster) where this start called: Auspice_101 (M1), Bongo_101 (M1), Bricole_102 (M1), Diminimus_103 (M1), Dulcita_103 (M1), FreakyGoo_103 (M1), Glaske16_104 (M1), IPhone7_99 (M1), Izel_103 (M1), KleverKiS_103 (M1), LilhomieP_101 (M1), RoseMarie_109 (M1), Skinny_106 (M1), SlimJimmy_103 (M1), TpudiCK_103 (M1), TyDawg_98 (M1),

Start 9:

- Found in 4 of 23 (17.4%) of genes in pham
- Manual Annotations of this start: 4 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aziz_113 (M2), Estes_114 (M2), GenevaB15_117 (M2), MrMagoo_113 (M2),

Summary by clusters:

There are 2 clusters represented in this pham: M1, M2,

Info for manual annotations of cluster M1:

- Start number 5 was manually annotated 2 times for cluster M1.
- Start number 8 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 5 was manually annotated 1 time for cluster M2.
- Start number 9 was manually annotated 4 times for cluster M2.

Gene Information:

Gene: Auspice_101 Start: 57802, Stop: 57963, Start Num: 8

Candidate Starts for Auspice_101:

(Start: 5 @57769 has 3 MA's), (Start: 8 @57802 has 13 MA's), (11, 57844), (13, 57880), (16, 57889),

Gene: Aziz_113 Start: 60115, Stop: 60282, Start Num: 9

Candidate Starts for Aziz_113:

(3, 60055), (6, 60088), (7, 60100), (Start: 9 @60115 has 4 MA's), (10, 60139), (11, 60157), (12, 60166),

Gene: Bongo_101 Start: 57806, Stop: 57967, Start Num: 8

Candidate Starts for Bongo_101:

(Start: 5 @57773 has 3 MA's), (Start: 8 @57806 has 13 MA's), (11, 57848), (13, 57884), (16, 57893),

Gene: Bricole_102 Start: 57953, Stop: 58114, Start Num: 8

Candidate Starts for Bricole_102:

(Start: 5 @57920 has 3 MA's), (Start: 8 @57953 has 13 MA's), (11, 57995), (13, 58031), (16, 58040),

Gene: Diminimus_103 Start: 57801, Stop: 57962, Start Num: 8

Candidate Starts for Diminimus_103:

(Start: 5 @57768 has 3 MA's), (Start: 8 @57801 has 13 MA's), (11, 57843), (13, 57879), (16, 57888),

Gene: Dulcita_103 Start: 57802, Stop: 57963, Start Num: 8

Candidate Starts for Dulcita_103:

(Start: 5 @57769 has 3 MA's), (Start: 8 @57802 has 13 MA's), (11, 57844), (13, 57880), (16, 57889),

Gene: Estes_114 Start: 60255, Stop: 60461, Start Num: 9

Candidate Starts for Estes_114:

(3, 60189), (4, 60201), (Start: 5 @60216 has 3 MA's), (Start: 9 @60255 has 4 MA's), (10, 60279), (12, 60306), (14, 60336), (18, 60393),

Gene: FreakyGoo_103 Start: 58281, Stop: 58442, Start Num: 8

Candidate Starts for FreakyGoo_103:

(Start: 5 @58248 has 3 MA's), (Start: 8 @58281 has 13 MA's), (11, 58323), (13, 58359), (16, 58368),

Gene: GenevaB15_117 Start: 60115, Stop: 60282, Start Num: 9

Candidate Starts for GenevaB15_117:

(3, 60055), (6, 60088), (7, 60100), (Start: 9 @60115 has 4 MA's), (10, 60139), (11, 60157), (12, 60166),

Gene: Glaske16_104 Start: 58357, Stop: 58518, Start Num: 8

Candidate Starts for Glaske16_104:

(Start: 5 @58324 has 3 MA's), (Start: 8 @58357 has 13 MA's), (11, 58399), (13, 58435), (16, 58444),

Gene: IPHane7_99 Start: 57806, Stop: 57967, Start Num: 8

Candidate Starts for IPHane7_99:

(Start: 5 @57773 has 3 MA's), (Start: 8 @57806 has 13 MA's), (11, 57848), (13, 57884), (16, 57893),

Gene: Izel_103 Start: 57801, Stop: 57962, Start Num: 8

Candidate Starts for Izel_103:

(Start: 5 @57768 has 3 MA's), (Start: 8 @57801 has 13 MA's), (11, 57843), (13, 57879), (16, 57888),

Gene: KleverKiS_103 Start: 58728, Stop: 58889, Start Num: 8

Candidate Starts for KleverKiS_103:

(Start: 5 @58695 has 3 MA's), (Start: 8 @58728 has 13 MA's), (11, 58770), (13, 58806), (16, 58815),

Gene: LilhomieP_101 Start: 58696, Stop: 58857, Start Num: 8

Candidate Starts for LilhomieP_101:

(Start: 5 @58663 has 3 MA's), (Start: 8 @58696 has 13 MA's), (11, 58738), (13, 58774), (16, 58783),

Gene: MrMagoo_113 Start: 60202, Stop: 60399, Start Num: 9

Candidate Starts for MrMagoo_113:

(3, 60136), (4, 60148), (Start: 5 @60163 has 3 MA's), (Start: 9 @60202 has 4 MA's), (10, 60226), (11, 60244), (12, 60253),

Gene: PegLeg_104 Start: 58373, Stop: 58567, Start Num: 5

Candidate Starts for PegLeg_104:

(Start: 5 @58373 has 3 MA's), (Start: 8 @58406 has 13 MA's), (11, 58448), (13, 58484), (16, 58493),

Gene: Reindeer_103 Start: 59271, Stop: 59462, Start Num: 5

Candidate Starts for Reindeer_103:

(Start: 5 @59271 has 3 MA's), (Start: 8 @59304 has 13 MA's), (11, 59346), (18, 59430),

Gene: Rey_117 Start: 60167, Stop: 60400, Start Num: 5

Candidate Starts for Rey_117:

(1, 60047), (2, 60095), (Start: 5 @60167 has 3 MA's), (Start: 8 @60200 has 13 MA's), (12, 60251), (17, 60302),

Gene: RoseMarie_109 Start: 62420, Stop: 62584, Start Num: 8

Candidate Starts for RoseMarie_109:

(Start: 5 @62387 has 3 MA's), (Start: 8 @62420 has 13 MA's), (11, 62462), (15, 62507), (16, 62513), (18, 62555),

Gene: Skinny_106 Start: 59125, Stop: 59286, Start Num: 8

Candidate Starts for Skinny_106:

(Start: 5 @59092 has 3 MA's), (Start: 8 @59125 has 13 MA's), (11, 59167), (13, 59203), (16, 59212),

Gene: SlimJimmy_103 Start: 59336, Stop: 59497, Start Num: 8

Candidate Starts for SlimJimmy_103:

(Start: 5 @59303 has 3 MA's), (Start: 8 @59336 has 13 MA's), (11, 59378), (13, 59414), (16, 59423),

Gene: TpudiCK_103 Start: 57806, Stop: 57967, Start Num: 8

Candidate Starts for TpudiCK_103:

(Start: 5 @57773 has 3 MA's), (Start: 8 @57806 has 13 MA's), (11, 57848), (13, 57884), (16, 57893),

Gene: TyDawg_98 Start: 57809, Stop: 57970, Start Num: 8

Candidate Starts for TyDawg_98:

(Start: 5 @57776 has 3 MA's), (Start: 8 @57809 has 13 MA's), (11, 57851), (13, 57887), (16, 57896),