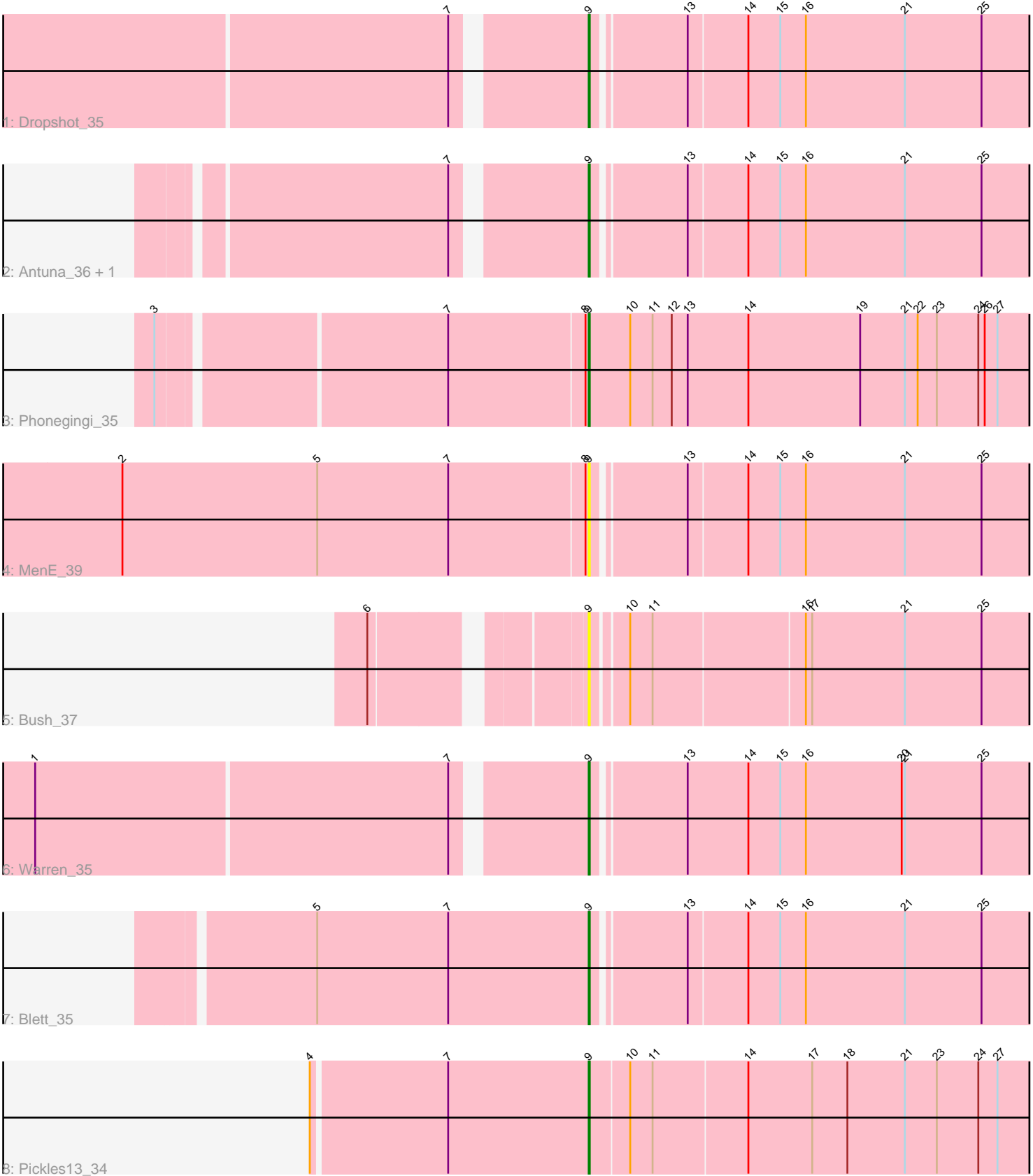


Pham 8611



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 8611 Report

This analysis was run 04/05/24 on database version 557.

Pham number 8611 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Dropshot_35
- Track 2 : Antuna_36, Appa_35
- Track 3 : Phonegingi_35
- Track 4 : MenE_39
- Track 5 : Bush_37
- Track 6 : Warren_35
- Track 7 : Blett_35
- Track 8 : Pickles13_34

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

The start number called the most often in the published annotations is 9, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antuna_36, Appa_35, Blett_35, Bush_37, Dropshot_35, MenE_39, Phonegingi_35, Pickles13_34, Warren_35,

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

-

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

-

Summary by start number:

Start 9:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antuna_36 (GA), Appa_35 (GA), Blett_35 (GA), Bush_37 (GA), Dropshot_35 (GA), MenE_39 (GA), Phonegingi_35 (GA), Pickles13_34 (GA), Warren_35 (GA),

Summary by clusters:

There is one cluster represented in this pham: GA

Info for manual annotations of cluster GA:

- Start number 9 was manually annotated 7 times for cluster GA.

Gene Information:

Gene: Antuna_36 Start: 22084, Stop: 22530, Start Num: 9

Candidate Starts for Antuna_36:

(7, 21973), (Start: 9 @22084 has 7 MA's), (13, 22165), (14, 22219), (15, 22249), (16, 22273), (21, 22366), (25, 22438),

Gene: Appa_35 Start: 21958, Stop: 22407, Start Num: 9

Candidate Starts for Appa_35:

(7, 21847), (Start: 9 @21958 has 7 MA's), (13, 22039), (14, 22096), (15, 22126), (16, 22150), (21, 22243), (25, 22315),

Gene: Blett_35 Start: 22132, Stop: 22578, Start Num: 9

Candidate Starts for Blett_35:

(5, 21877), (7, 22000), (Start: 9 @22132 has 7 MA's), (13, 22213), (14, 22267), (15, 22297), (16, 22321), (21, 22414), (25, 22486),

Gene: Bush_37 Start: 22080, Stop: 22526, Start Num: 9

Candidate Starts for Bush_37:

(6, 21909), (Start: 9 @22080 has 7 MA's), (10, 22110), (11, 22131), (16, 22269), (17, 22275), (21, 22362), (25, 22434),

Gene: Dropshot_35 Start: 21805, Stop: 22251, Start Num: 9

Candidate Starts for Dropshot_35:

(7, 21694), (Start: 9 @21805 has 7 MA's), (13, 21886), (14, 21940), (15, 21970), (16, 21994), (21, 22087), (25, 22159),

Gene: MenE_39 Start: 22106, Stop: 22552, Start Num: 9

Candidate Starts for MenE_39:

(2, 21671), (5, 21854), (7, 21977), (8, 22103), (Start: 9 @22106 has 7 MA's), (13, 22187), (14, 22241), (15, 22271), (16, 22295), (21, 22388), (25, 22460),

Gene: Phonegingi_35 Start: 21983, Stop: 22444, Start Num: 9

Candidate Starts for Phonegingi_35:

(3, 21599), (7, 21854), (8, 21980), (Start: 9 @21983 has 7 MA's), (10, 22022), (11, 22043), (12, 22061), (13, 22076), (14, 22133), (19, 22238), (21, 22280), (22, 22292), (23, 22310), (24, 22349), (26, 22355), (27, 22367),

Gene: Pickles13_34 Start: 22262, Stop: 22717, Start Num: 9

Candidate Starts for Pickles13_34:

(4, 22007), (7, 22130), (Start: 9 @22262 has 7 MA's), (10, 22298), (11, 22319), (14, 22406), (17, 22466), (18, 22499), (21, 22553), (23, 22583), (24, 22622), (27, 22640),

Gene: Warren_35 Start: 22011, Stop: 22460, Start Num: 9

Candidate Starts for Warren_35:

(1, 21519), (7, 21900), (Start: 9 @22011 has 7 MA's), (13, 22092), (14, 22149), (15, 22179), (16, 22203), (20, 22293), (21, 22296), (25, 22368),