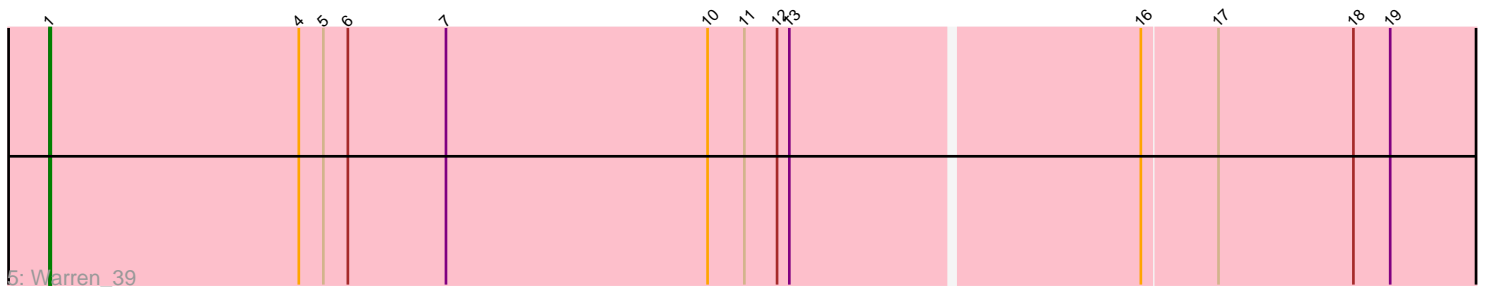
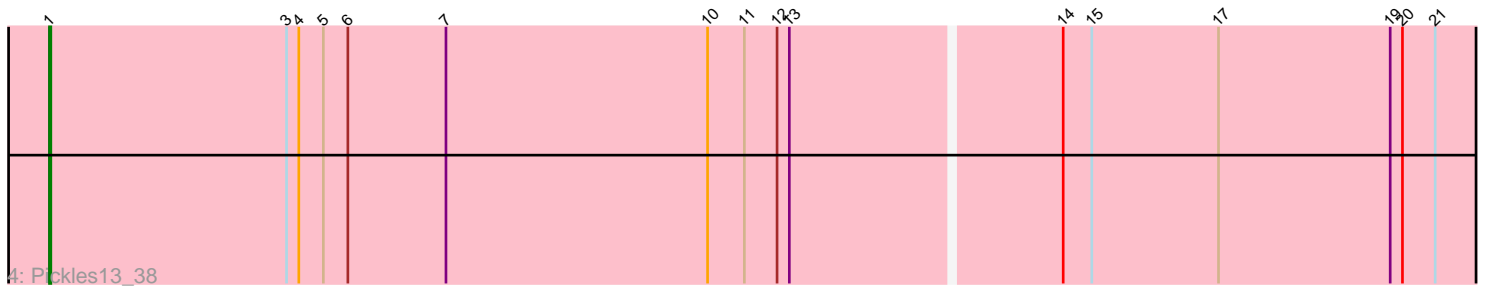
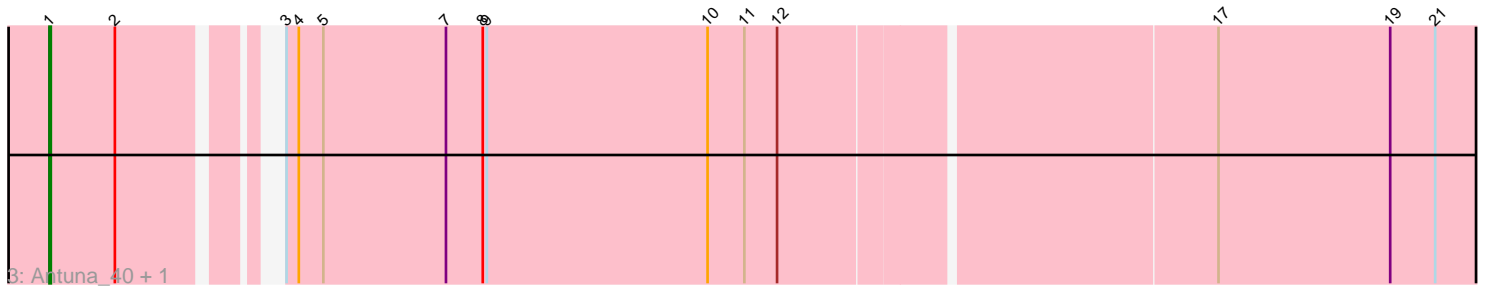
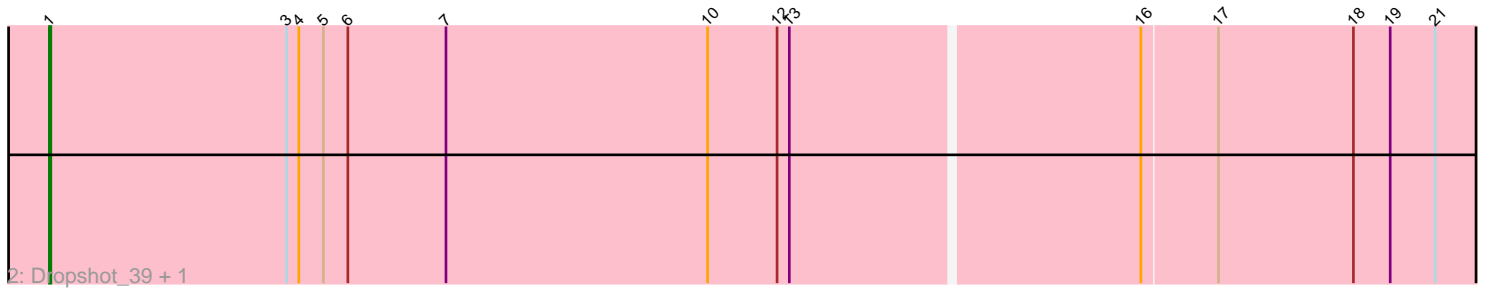
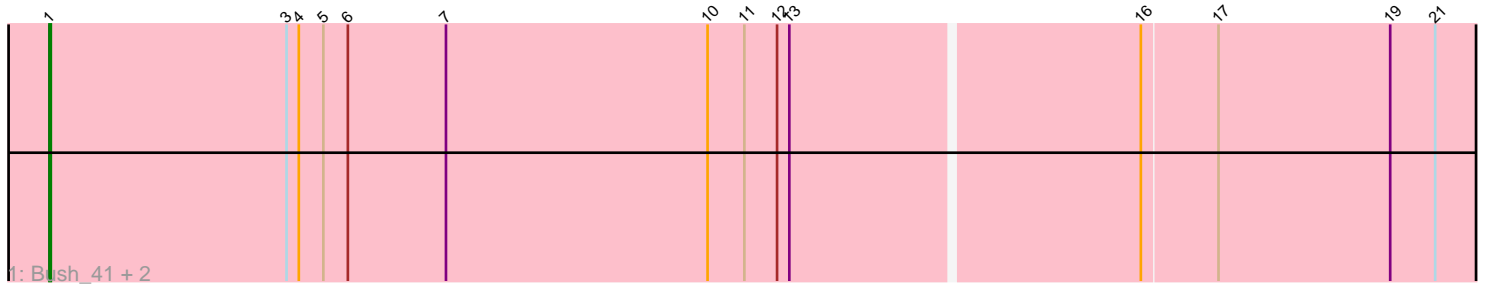


Pham 87972



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 87972 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87972 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Bush_41, Phonegingi_39, Blett_39
- Track 2 : Dropshot_39, Appa_39
- Track 3 : Antuna_40, MenE_43
- Track 4 : Pickles13_38
- Track 5 : Warren_39

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antuna_40, Appa_39, Blett_39, Bush_41, Dropshot_39, MenE_43, Phonegingi_39, Pickles13_38, Warren_39,

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 1:

- 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_40 (GA), Appa_39 (GA), Blett_39 (GA), Bush_41 (GA), Dropshot_39 (GA), MenE_43 (GA), Phonegingi_39 (GA), Pickles13_38 (GA), Warren_39 (GA),

Summary by clusters:

There is one cluster represented in this pham: GA

Info for manual annotations of cluster GA:

- Start number 1 was manually annotated 7 times for cluster GA.

Gene Information:

Gene: Antuna_40 Start: 24339, Stop: 25343, Start Num: 1

Candidate Starts for Antuna_40:

(Start: 1 @24339 has 7 MA's), (2, 24387), (3, 24474), (4, 24483), (5, 24501), (7, 24591), (8, 24618), (9, 24621), (10, 24783), (11, 24810), (12, 24834), (17, 25140), (19, 25266), (21, 25299),

Gene: Appa_39 Start: 24216, Stop: 25265, Start Num: 1

Candidate Starts for Appa_39:

(Start: 1 @24216 has 7 MA's), (3, 24390), (4, 24399), (5, 24417), (6, 24435), (7, 24507), (10, 24699), (12, 24750), (13, 24759), (16, 25008), (17, 25062), (18, 25161), (19, 25188), (21, 25221),

Gene: Blett_39 Start: 24396, Stop: 25445, Start Num: 1

Candidate Starts for Blett_39:

(Start: 1 @24396 has 7 MA's), (3, 24570), (4, 24579), (5, 24597), (6, 24615), (7, 24687), (10, 24879), (11, 24906), (12, 24930), (13, 24939), (16, 25188), (17, 25242), (19, 25368), (21, 25401),

Gene: Bush_41 Start: 24344, Stop: 25393, Start Num: 1

Candidate Starts for Bush_41:

(Start: 1 @24344 has 7 MA's), (3, 24518), (4, 24527), (5, 24545), (6, 24563), (7, 24635), (10, 24827), (11, 24854), (12, 24878), (13, 24887), (16, 25136), (17, 25190), (19, 25316), (21, 25349),

Gene: Dropshot_39 Start: 24051, Stop: 25100, Start Num: 1

Candidate Starts for Dropshot_39:

(Start: 1 @24051 has 7 MA's), (3, 24225), (4, 24234), (5, 24252), (6, 24270), (7, 24342), (10, 24534), (12, 24585), (13, 24594), (16, 24843), (17, 24897), (18, 24996), (19, 25023), (21, 25056),

Gene: MenE_43 Start: 24361, Stop: 25365, Start Num: 1

Candidate Starts for MenE_43:

(Start: 1 @24361 has 7 MA's), (2, 24409), (3, 24496), (4, 24505), (5, 24523), (7, 24613), (8, 24640), (9, 24643), (10, 24805), (11, 24832), (12, 24856), (17, 25162), (19, 25288), (21, 25321),

Gene: Phonegingi_39 Start: 24253, Stop: 25311, Start Num: 1

Candidate Starts for Phonegingi_39:

(Start: 1 @24253 has 7 MA's), (3, 24427), (4, 24436), (5, 24454), (6, 24472), (7, 24544), (10, 24736), (11, 24763), (12, 24787), (13, 24796), (16, 25054), (17, 25108), (19, 25234), (21, 25267),

Gene: Pickles13_38 Start: 24523, Stop: 25575, Start Num: 1

Candidate Starts for Pickles13_38:

(Start: 1 @24523 has 7 MA's), (3, 24697), (4, 24706), (5, 24724), (6, 24742), (7, 24814), (10, 25006), (11, 25033), (12, 25057), (13, 25066), (14, 25258), (15, 25279), (17, 25372), (19, 25498), (20, 25507), (21, 25531),

Gene: Warren_39 Start: 24269, Stop: 25318, Start Num: 1

Candidate Starts for Warren_39:

(Start: 1 @24269 has 7 MA's), (4, 24452), (5, 24470), (6, 24488), (7, 24560), (10, 24752), (11, 24779), (12, 24803), (13, 24812), (16, 25061), (17, 25115), (18, 25214), (19, 25241),

