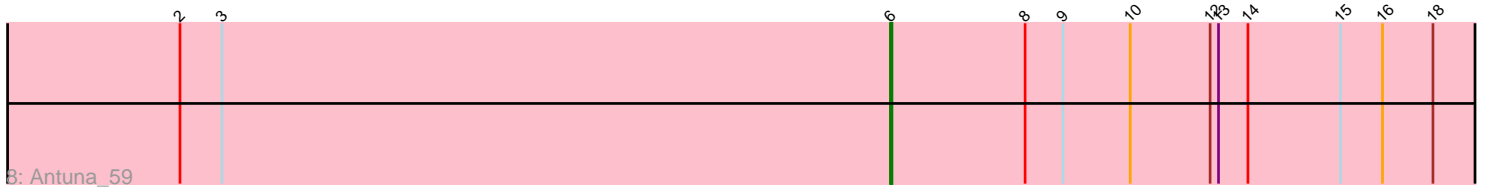
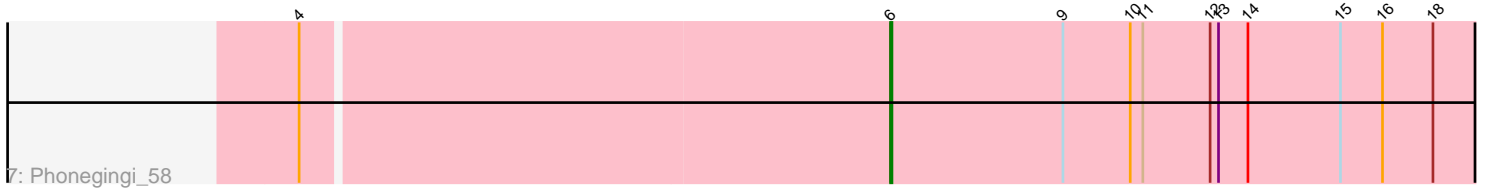
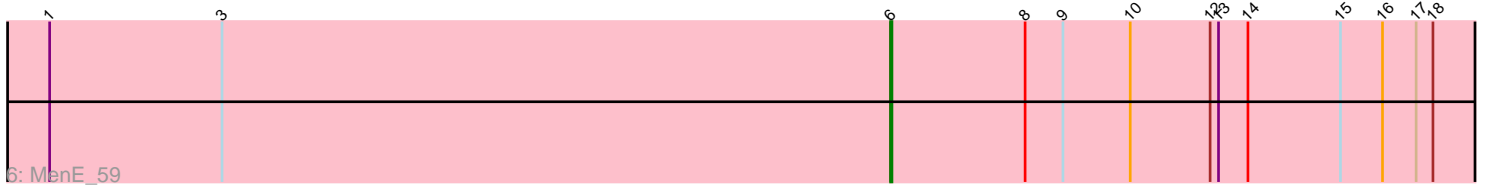
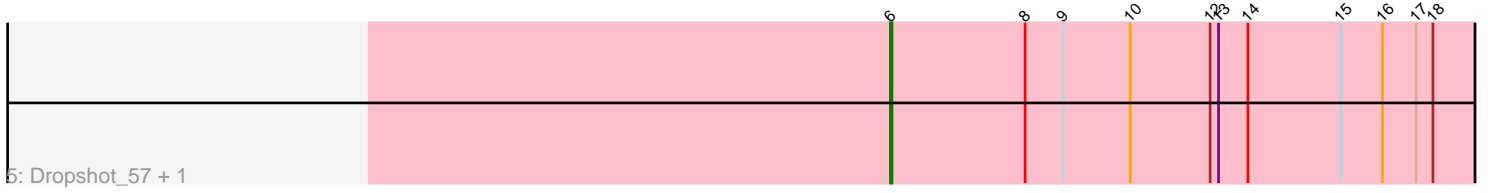
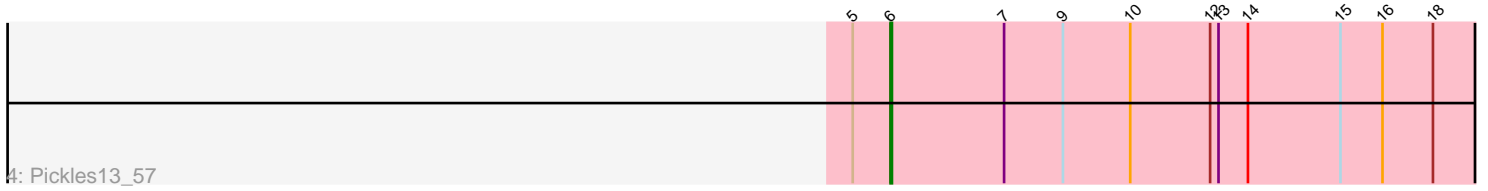
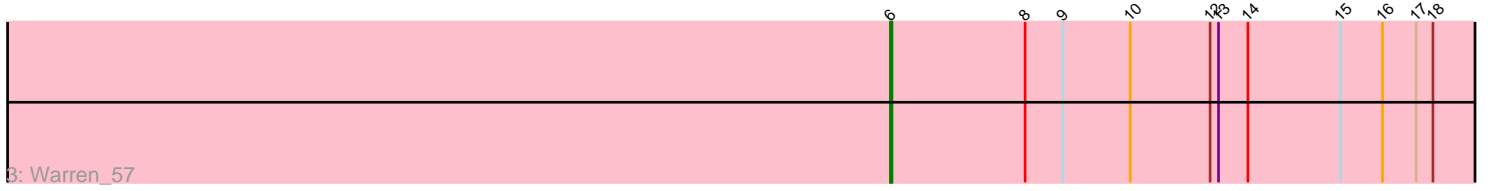
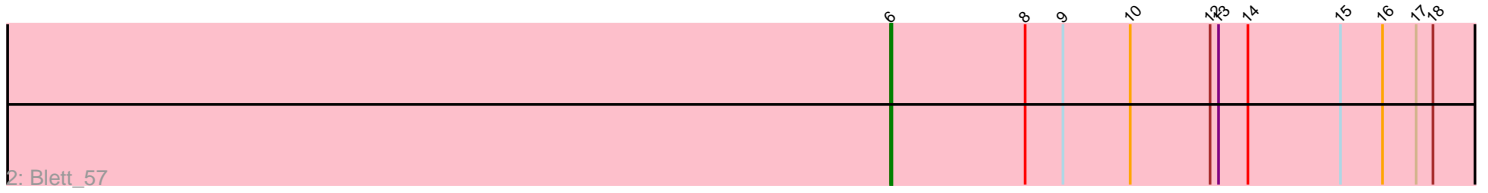
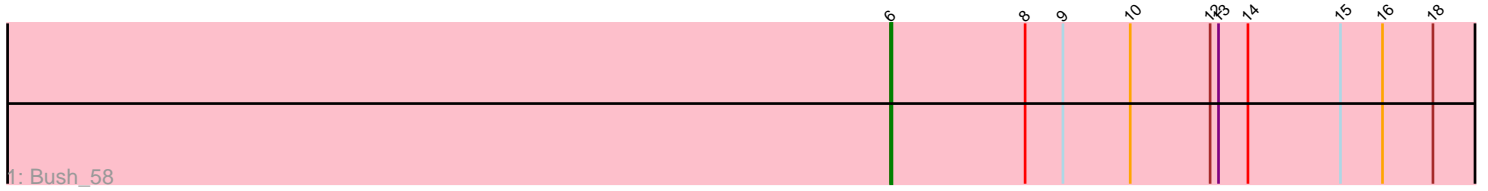


Pham 191689



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 191689 Report

This analysis was run 11/02/24 on database version 579.

Pham number 191689 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Bush_58
- Track 2 : Blett_57
- Track 3 : Warren_57
- Track 4 : Pickles13_57
- Track 5 : Dropshot_57, Appa_57
- Track 6 : MenE_59
- Track 7 : Phonegingi_58
- Track 8 : Antuna_59

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antuna_59, Appa_57, Blett_57, Bush_58, Dropshot_57, MenE_59, Phonegingi_58, Pickles13_57, Warren_57,

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 6:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antuna_59 (GA), Appa_57 (GA), Blett_57 (GA), Bush_58 (GA), Dropshot_57 (GA), MenE_59 (GA), Phonegingi_58 (GA), Pickles13_57 (GA), Warren_57 (GA),

Summary by clusters:

There is one cluster represented in this pham: GA

Info for manual annotations of cluster GA:

•Start number 6 was manually annotated 9 times for cluster GA.

Gene Information:

Gene: Antuna_59 Start: 34183, Stop: 34620, Start Num: 6

Candidate Starts for Antuna_59:

(2, 33676), (3, 33706), (Start: 6 @34183 has 9 MA's), (8, 34279), (9, 34306), (10, 34354), (12, 34411), (13, 34417), (14, 34438), (15, 34504), (16, 34534), (18, 34570),

Gene: Appa_57 Start: 33948, Stop: 34385, Start Num: 6

Candidate Starts for Appa_57:

(Start: 6 @33948 has 9 MA's), (8, 34044), (9, 34071), (10, 34119), (12, 34176), (13, 34182), (14, 34203), (15, 34269), (16, 34299), (17, 34323), (18, 34335),

Gene: Blett_57 Start: 34133, Stop: 34570, Start Num: 6

Candidate Starts for Blett_57:

(Start: 6 @34133 has 9 MA's), (8, 34229), (9, 34256), (10, 34304), (12, 34361), (13, 34367), (14, 34388), (15, 34454), (16, 34484), (17, 34508), (18, 34520),

Gene: Bush_58 Start: 34082, Stop: 34519, Start Num: 6

Candidate Starts for Bush_58:

(Start: 6 @34082 has 9 MA's), (8, 34178), (9, 34205), (10, 34253), (12, 34310), (13, 34316), (14, 34337), (15, 34403), (16, 34433), (18, 34469),

Gene: Dropshot_57 Start: 33783, Stop: 34220, Start Num: 6

Candidate Starts for Dropshot_57:

(Start: 6 @33783 has 9 MA's), (8, 33879), (9, 33906), (10, 33954), (12, 34011), (13, 34017), (14, 34038), (15, 34104), (16, 34134), (17, 34158), (18, 34170),

Gene: MenE_59 Start: 34205, Stop: 34642, Start Num: 6

Candidate Starts for MenE_59:

(1, 33605), (3, 33728), (Start: 6 @34205 has 9 MA's), (8, 34301), (9, 34328), (10, 34376), (12, 34433), (13, 34439), (14, 34460), (15, 34526), (16, 34556), (17, 34580), (18, 34592),

Gene: Phonegingi_58 Start: 34265, Stop: 34702, Start Num: 6

Candidate Starts for Phonegingi_58:

(4, 33854), (Start: 6 @34265 has 9 MA's), (9, 34388), (10, 34436), (11, 34445), (12, 34493), (13, 34499), (14, 34520), (15, 34586), (16, 34616), (18, 34652),

Gene: Pickles13_57 Start: 34624, Stop: 35061, Start Num: 6

Candidate Starts for Pickles13_57:

(5, 34597), (Start: 6 @34624 has 9 MA's), (7, 34705), (9, 34747), (10, 34795), (12, 34852), (13, 34858), (14, 34879), (15, 34945), (16, 34975), (18, 35011),

Gene: Warren_57 Start: 34005, Stop: 34442, Start Num: 6

Candidate Starts for Warren_57:

(Start: 6 @34005 has 9 MA's), (8, 34101), (9, 34128), (10, 34176), (12, 34233), (13, 34239), (14, 34260), (15, 34326), (16, 34356), (17, 34380), (18, 34392),