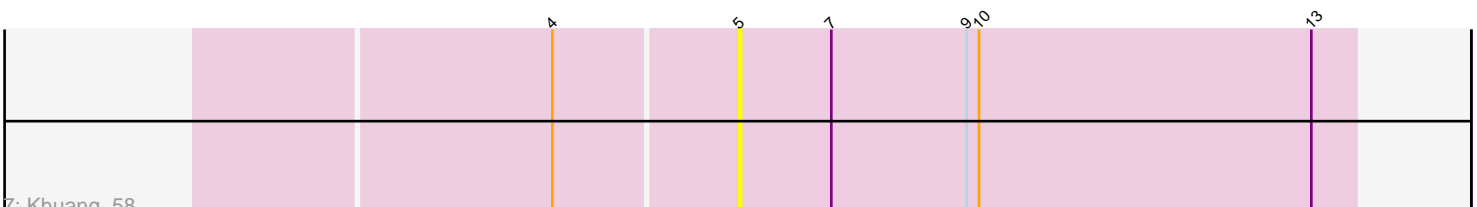
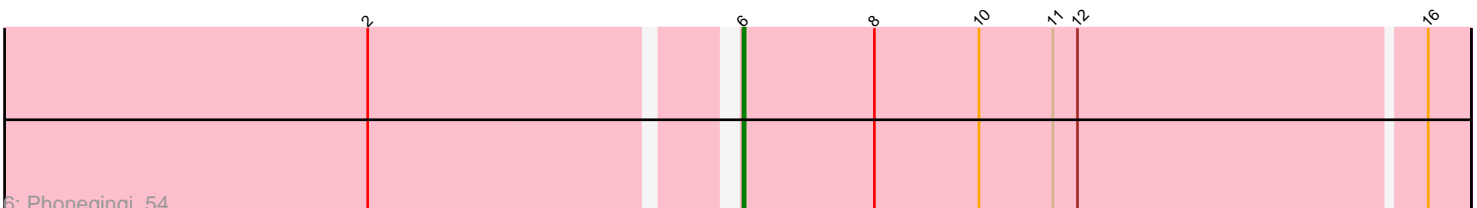
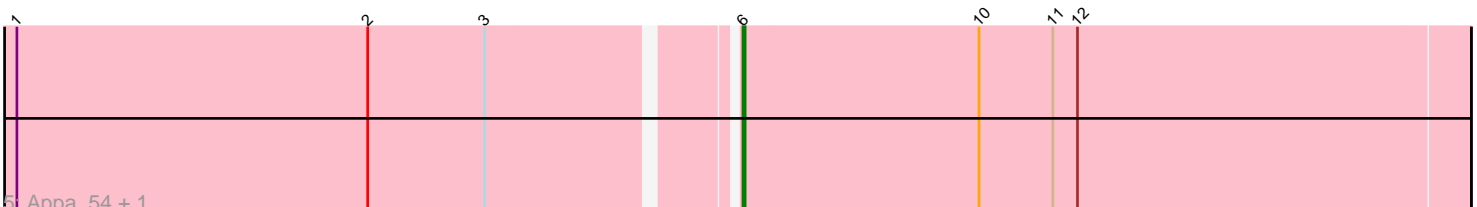
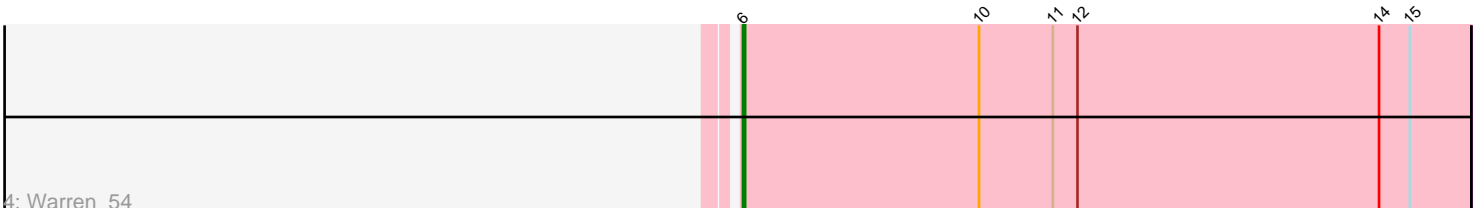
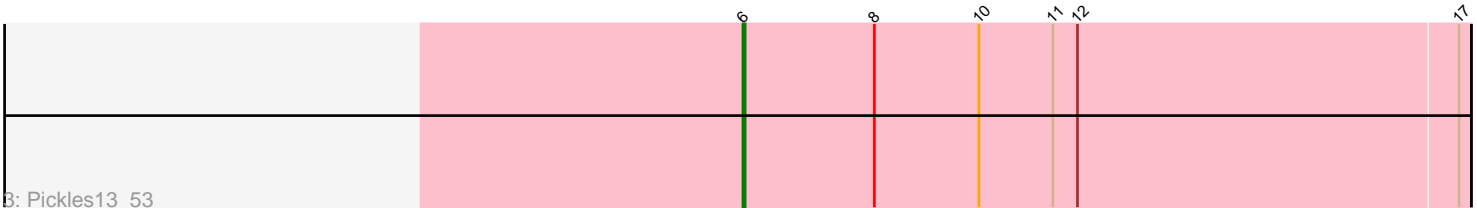
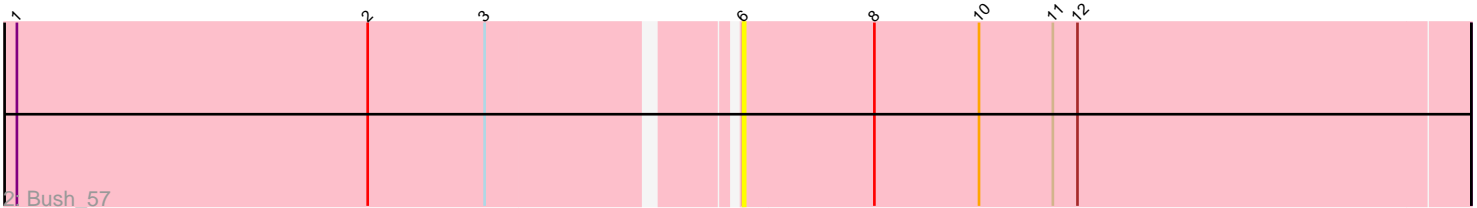
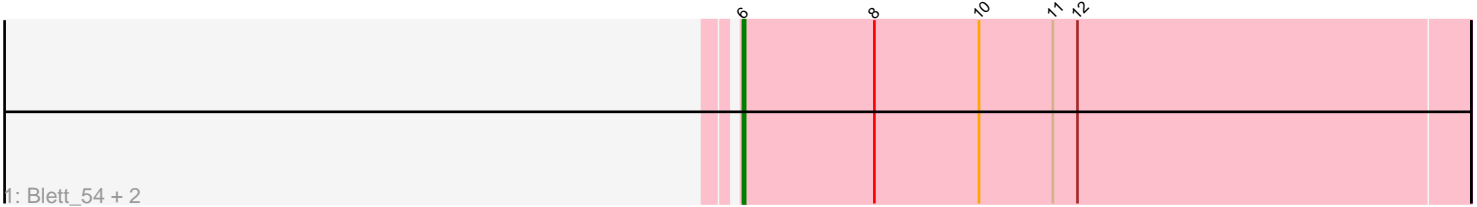


Pham 8461



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 8461 Report

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

Pham number 8461 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Blett_54, Antuna_56, MenE_59
- Track 2 : Bush_57
- Track 3 : Pickles13_53
- Track 4 : Warren_54
- Track 5 : Appa_54, Dropshot_54
- Track 6 : Phonegingi_54
- Track 7 : Khuang_58

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antuna_56, Appa_54, Blett_54, Bush_57, Dropshot_54, MenE_59, Phonegingi_54, Pickles13_53, Warren_54,

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

-

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

- Khuang_58,

Summary by start number:

Start 5:

- Found in 1 of 10 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Khuang_58 (UNK),

Start 6:

- Found in 9 of 10 (90.0%) 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_56 (GA), Appa_54 (GA), Blett_54 (GA), Bush_57 (GA), Dropshot_54 (GA), MenE_59 (GA), Phonegingi_54 (GA), Pickles13_53 (GA), Warren_54 (GA),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, GA,

Info for manual annotations of cluster GA:

- Start number 6 was manually annotated 7 times for cluster GA.

Gene Information:

Gene: Antuna_56 Start: 33055, Stop: 33405, Start Num: 6

Candidate Starts for Antuna_56:

(Start: 6 @33055 has 7 MA's), (8, 33118), (10, 33169), (11, 33205), (12, 33217),

Gene: Appa_54 Start: 32820, Stop: 33170, Start Num: 6

Candidate Starts for Appa_54:

(1, 32484), (2, 32655), (3, 32712), (Start: 6 @32820 has 7 MA's), (10, 32934), (11, 32970), (12, 32982),

Gene: Blett_54 Start: 33005, Stop: 33355, Start Num: 6

Candidate Starts for Blett_54:

(Start: 6 @33005 has 7 MA's), (8, 33068), (10, 33119), (11, 33155), (12, 33167),

Gene: Bush_57 Start: 32954, Stop: 33304, Start Num: 6

Candidate Starts for Bush_57:

(1, 32618), (2, 32789), (3, 32846), (Start: 6 @32954 has 7 MA's), (8, 33017), (10, 33068), (11, 33104), (12, 33116),

Gene: Dropshot_54 Start: 32655, Stop: 33005, Start Num: 6

Candidate Starts for Dropshot_54:

(1, 32319), (2, 32490), (3, 32547), (Start: 6 @32655 has 7 MA's), (10, 32769), (11, 32805), (12, 32817),

Gene: Khuang_58 Start: 33747, Stop: 34046, Start Num: 5

Candidate Starts for Khuang_58:

(4, 33660), (5, 33747), (7, 33792), (9, 33858), (10, 33864), (13, 34026),

Gene: MenE_59 Start: 33077, Stop: 33427, Start Num: 6

Candidate Starts for MenE_59:

(Start: 6 @33077 has 7 MA's), (8, 33140), (10, 33191), (11, 33227), (12, 33239),

Gene: Phonegingi_54 Start: 32856, Stop: 33203, Start Num: 6

Candidate Starts for Phonegingi_54:

(2, 32694), (Start: 6 @32856 has 7 MA's), (8, 32919), (10, 32970), (11, 33006), (12, 33018), (16, 33183),

Gene: Pickles13_53 Start: 33155, Stop: 33505, Start Num: 6

Candidate Starts for Pickles13_53:

(Start: 6 @33155 has 7 MA's), (8, 33218), (10, 33269), (11, 33305), (12, 33317), (17, 33500),

Gene: Warren_54 Start: 32874, Stop: 33227, Start Num: 6

Candidate Starts for Warren_54:

(Start: 6 @32874 has 7 MA's), (10, 32988), (11, 33024), (12, 33036), (14, 33183), (15, 33198),