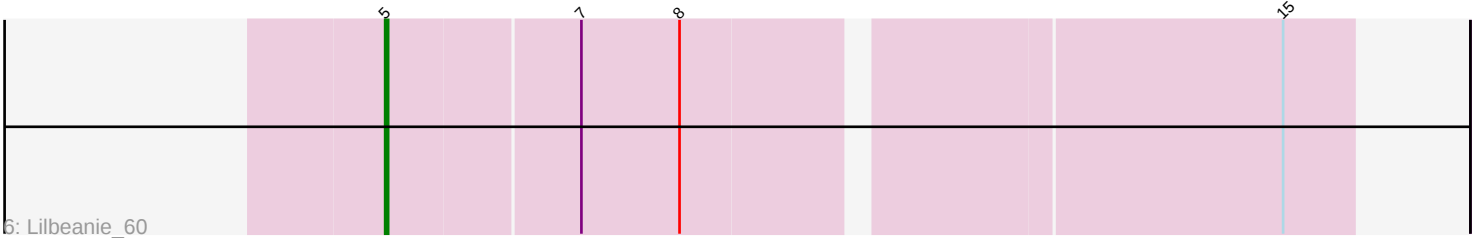
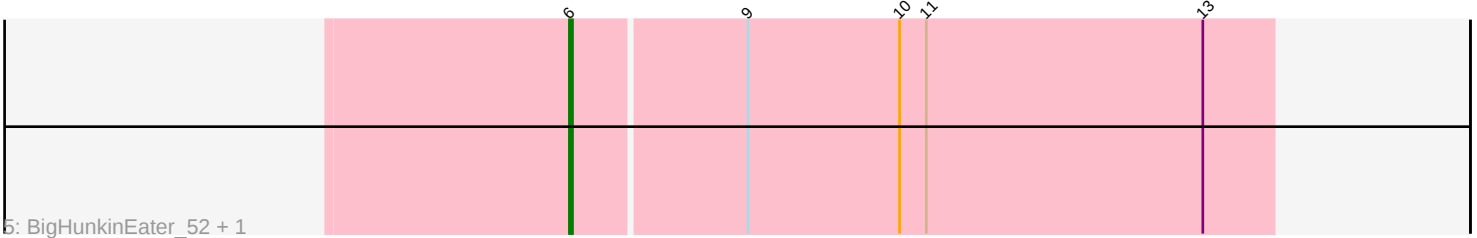
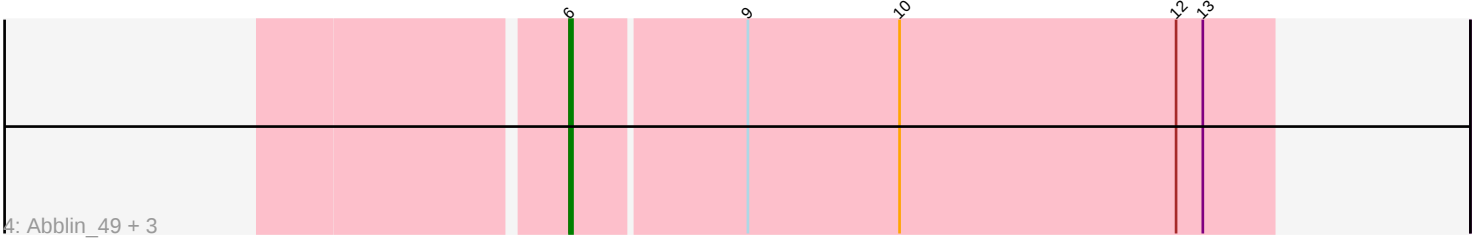
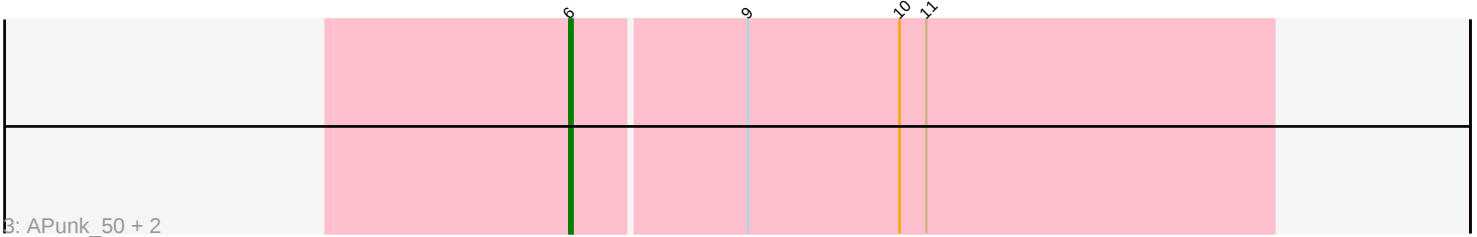
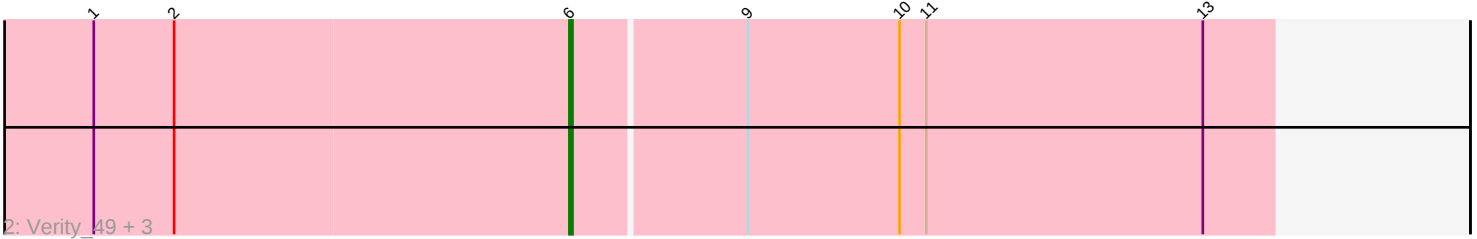
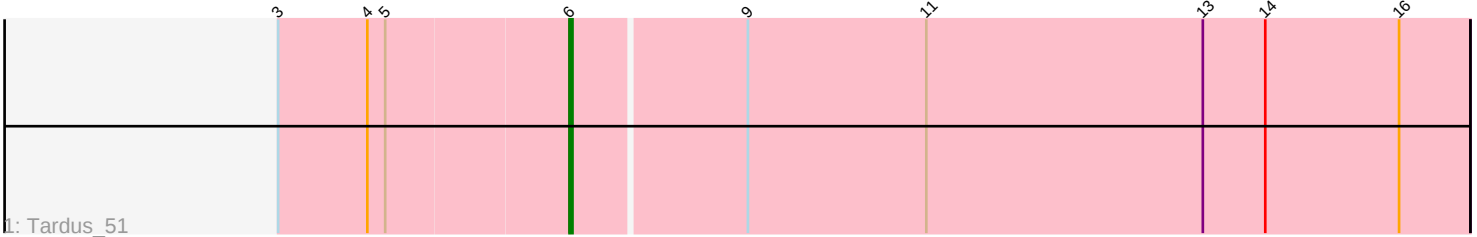


Pham 309516



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 309516 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309516 has 15 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Tardus_51
- Track 2 : Verity_49, Delrey21_49, DoctorFroggo_49, Zipp_50
- Track 3 : APunk_50, Pumpkiney_50, ViaConlectus_49
- Track 4 : Abblin_49, Natkenzie_49, Sampson_49, Scioto_50
- Track 5 : BigHunkinEater_52, Zitch_52
- Track 6 : Lilbeanie_60

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 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- APunk_50, Abblin_49, BigHunkinEater_52, Delrey21_49, DoctorFroggo_49, Natkenzie_49, Pumpkiney_50, Sampson_49, Scioto_50, Tardus_51, Verity_49, ViaConlectus_49, Zipp_50, Zitch_52,

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

-

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

- Lilbeanie_60,

Summary by start number:

Start 5:

- Found in 2 of 15 (13.3%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_60 (DE5),

Start 6:

- Found in 14 of 15 (93.3%) of genes in pham
- Manual Annotations of this start: 13 of 14

- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_50 (DE4), Abblin_49 (DE4), BigHunkinEater_52 (DE4), Delrey21_49 (DE4), DoctorFroggo_49 (DE4), Natkenzie_49 (DE4), Pumpkiney_50 (DE4), Sampson_49 (DE4), Scioto_50 (DE4), Tardus_51 (DE4), Verity_49 (DE4), ViaConlectus_49 (DE4), Zipp_50 (DE4), Zitch_52 (DE4),

Summary by clusters:

There are 2 clusters represented in this pham: DE4, DE5,

Info for manual annotations of cluster DE4:

- Start number 6 was manually annotated 13 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 5 was manually annotated 1 time for cluster DE5.

Gene Information:

Gene: APunk_50 Start: 41636, Stop: 41869, Start Num: 6

Candidate Starts for APunk_50:

(Start: 6 @41636 has 13 MA's), (9, 41693), (10, 41744), (11, 41753),

Gene: Abblin_49 Start: 42179, Stop: 42412, Start Num: 6

Candidate Starts for Abblin_49:

(Start: 6 @42179 has 13 MA's), (9, 42236), (10, 42287), (12, 42380), (13, 42389),

Gene: BigHunkinEater_52 Start: 41414, Stop: 41647, Start Num: 6

Candidate Starts for BigHunkinEater_52:

(Start: 6 @41414 has 13 MA's), (9, 41471), (10, 41522), (11, 41531), (13, 41624),

Gene: Delrey21_49 Start: 42950, Stop: 43183, Start Num: 6

Candidate Starts for Delrey21_49:

(1, 42791), (2, 42818), (Start: 6 @42950 has 13 MA's), (9, 43007), (10, 43058), (11, 43067), (13, 43160),

Gene: DoctorFroggo_49 Start: 42950, Stop: 43183, Start Num: 6

Candidate Starts for DoctorFroggo_49:

(1, 42791), (2, 42818), (Start: 6 @42950 has 13 MA's), (9, 43007), (10, 43058), (11, 43067), (13, 43160),

Gene: Lilbeanie_60 Start: 43230, Stop: 43538, Start Num: 5

Candidate Starts for Lilbeanie_60:

(Start: 5 @43230 has 1 MA's), (7, 43293), (8, 43326), (15, 43515),

Gene: Natkenzie_49 Start: 42179, Stop: 42412, Start Num: 6

Candidate Starts for Natkenzie_49:

(Start: 6 @42179 has 13 MA's), (9, 42236), (10, 42287), (12, 42380), (13, 42389),

Gene: Pumpkiney_50 Start: 39494, Stop: 39727, Start Num: 6

Candidate Starts for Pumpkiney_50:

(Start: 6 @39494 has 13 MA's), (9, 39551), (10, 39602), (11, 39611),

Gene: Sampson_49 Start: 42124, Stop: 42357, Start Num: 6

Candidate Starts for Sampson_49:

(Start: 6 @42124 has 13 MA's), (9, 42181), (10, 42232), (12, 42325), (13, 42334),

Gene: Scioto_50 Start: 42180, Stop: 42413, Start Num: 6

Candidate Starts for Scioto_50:

(Start: 6 @42180 has 13 MA's), (9, 42237), (10, 42288), (12, 42381), (13, 42390),

Gene: Tardus_51 Start: 41789, Stop: 42088, Start Num: 6

Candidate Starts for Tardus_51:

(3, 41693), (4, 41723), (Start: 5 @41729 has 1 MA's), (Start: 6 @41789 has 13 MA's), (9, 41846), (11, 41906), (13, 41999), (14, 42020), (16, 42065),

Gene: Verity_49 Start: 42950, Stop: 43183, Start Num: 6

Candidate Starts for Verity_49:

(1, 42791), (2, 42818), (Start: 6 @42950 has 13 MA's), (9, 43007), (10, 43058), (11, 43067), (13, 43160),

Gene: ViaConlectus_49 Start: 40808, Stop: 41041, Start Num: 6

Candidate Starts for ViaConlectus_49:

(Start: 6 @40808 has 13 MA's), (9, 40865), (10, 40916), (11, 40925),

Gene: Zipp_50 Start: 42865, Stop: 43098, Start Num: 6

Candidate Starts for Zipp_50:

(1, 42706), (2, 42733), (Start: 6 @42865 has 13 MA's), (9, 42922), (10, 42973), (11, 42982), (13, 43075),

Gene: Zitch_52 Start: 40964, Stop: 41197, Start Num: 6

Candidate Starts for Zitch_52:

(Start: 6 @40964 has 13 MA's), (9, 41021), (10, 41072), (11, 41081), (13, 41174),