Pham 88440

1: CloverMinnie_70

2: CaiB_71
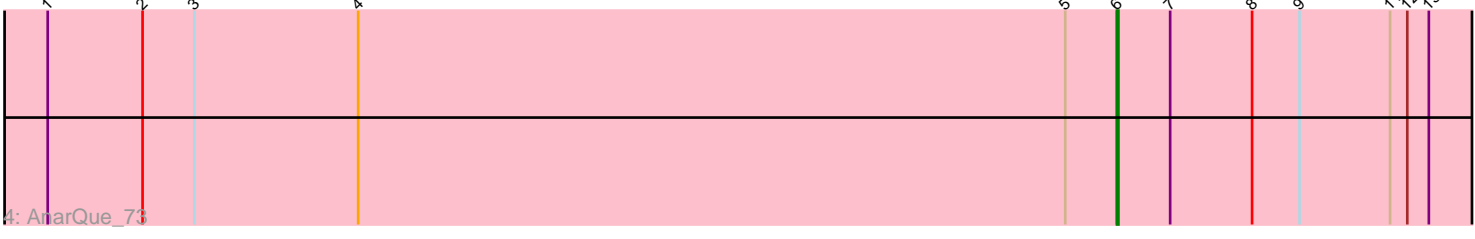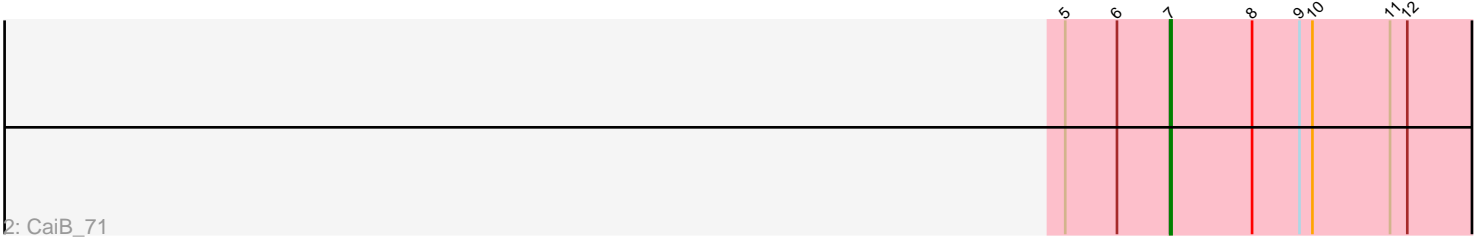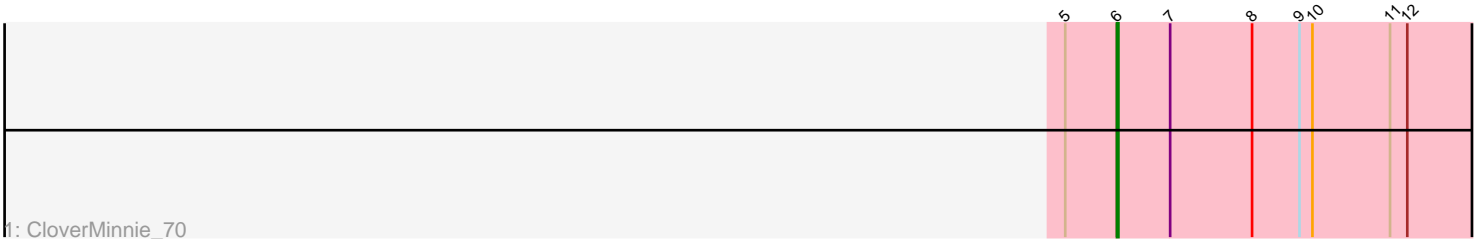
3: Wooper_72

4: AnarQue_73

5: MossRose_71

6: MakoManhole_69

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 88440 Report

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

Pham number 88440 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : CloverMinnie_70
• Track 2 : CaiB_71
• Track 3 : Wooper_72
• Track 4 : AnarQue_73
• Track 5 : MossRose_71
• Track 6 : MakoManhole_69

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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnarQue_73, CloverMinnie_70, Wooper_72,

Genes that have the "Most Annotated" start but do not call it:
• CaiB_71, MossRose_71,

Genes that do not have the "Most Annotated" start:
• MakoManhole_69,

Summary by start number:

Start 6:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 60.0% of time when present
• Phage (with cluster) where this start called: AnarQue_73 (DR), CloverMinnie_70 (DR), Wooper_72 (DR),

Start 7:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 50.0% of time when present

• Phage (with cluster) where this start called: CaiB_71 (DR), MakoManhole_69 (DR), MossRose_71 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:
•Start number 6 was manually annotated 3 times for cluster DR.
•Start number 7 was manually annotated 2 times for cluster DR.

Gene Information:

Gene: AnarQue_73 Start: 55647, Stop: 55384, Start Num: 6
Candidate Starts for AnarQue_73:
(1, 56391), (2, 56325), (3, 56289), (4, 56175), (5, 55683), (Start: 6 @55647 has 3 MA's), (Start: 7 @55611 has 2 MA's), (8, 55554), (9, 55521), (11, 55458), (12, 55446), (13, 55431),

Gene: CaiB_71 Start: 55422, Stop: 55195, Start Num: 7
Candidate Starts for CaiB_71:
(5, 55494), (Start: 6 @55458 has 3 MA's), (Start: 7 @55422 has 2 MA's), (8, 55365), (9, 55332), (10, 55323), (11, 55269), (12, 55257),

Gene: CloverMinnie_70 Start: 54624, Stop: 54361, Start Num: 6
Candidate Starts for CloverMinnie_70:
(5, 54660), (Start: 6 @54624 has 3 MA's), (Start: 7 @54588 has 2 MA's), (8, 54531), (9, 54498), (10, 54489), (11, 54435), (12, 54423),

Gene: MakoManhole_69 Start: 53943, Stop: 53716, Start Num: 7
Candidate Starts for MakoManhole_69:
(Start: 7 @53943 has 2 MA's), (8, 53886), (9, 53853), (10, 53844), (11, 53790), (12, 53778), (13, 53763),

Gene: MossRose_71 Start: 54871, Stop: 54644, Start Num: 7
Candidate Starts for MossRose_71:
(5, 54943), (Start: 6 @54907 has 3 MA's), (Start: 7 @54871 has 2 MA's), (8, 54814), (9, 54781), (11, 54718), (12, 54706), (13, 54691),

Gene: Wooper_72 Start: 54981, Stop: 54718, Start Num: 6
Candidate Starts for Wooper_72:
(5, 55017), (Start: 6 @54981 has 3 MA's), (Start: 7 @54945 has 2 MA's), (8, 54888), (9, 54855), (11, 54792), (12, 54780), (13, 54765),