Pham 88323

1: Kozie_18

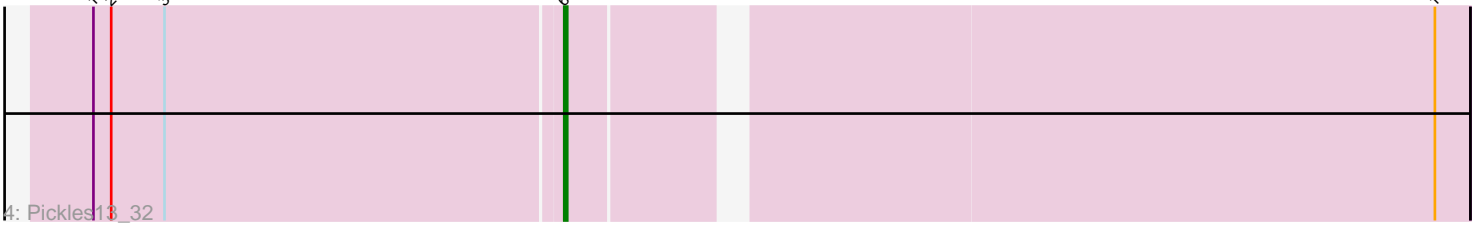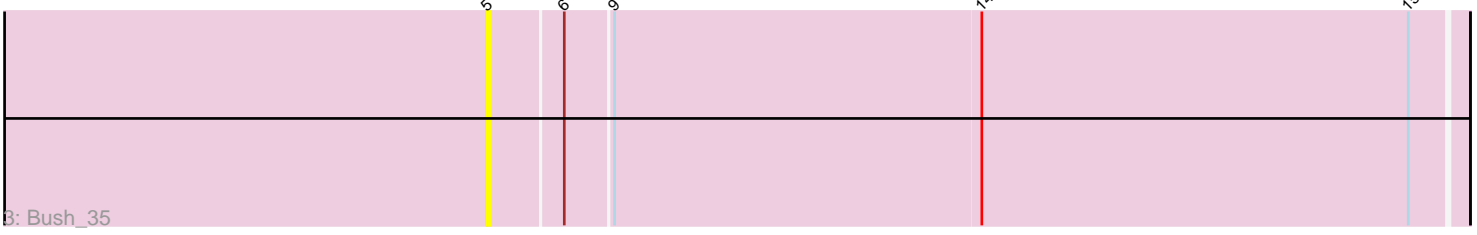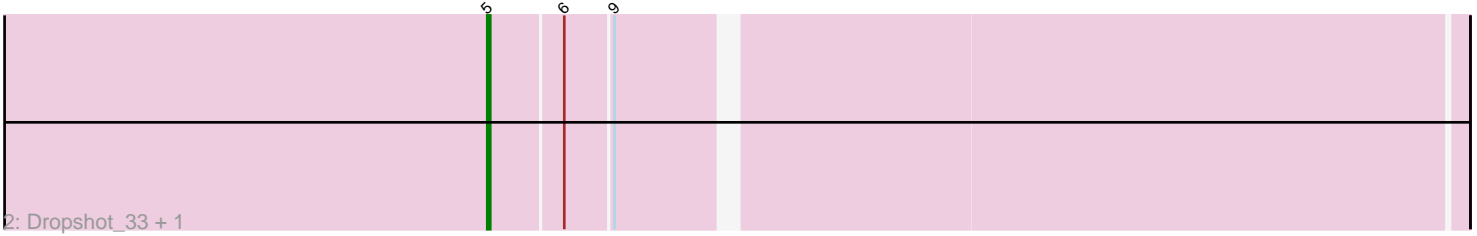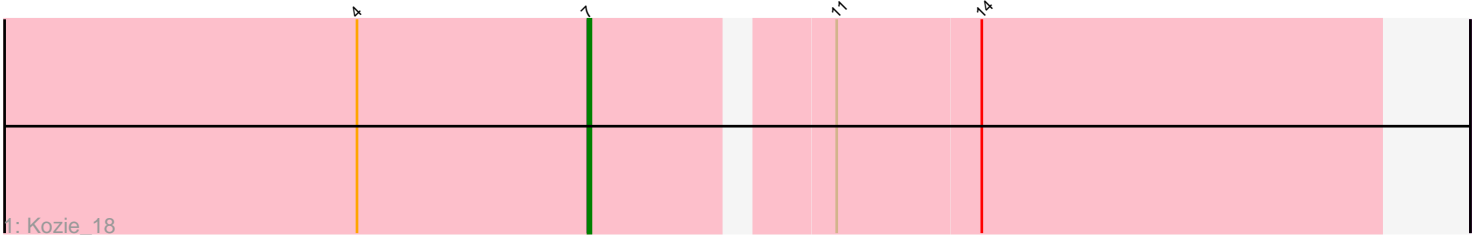2: Dropshot_33 + 1

3: Bush_35

4: Pickles13_32

5: MenE_37

6: Cece_43 + 1

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 88323 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88323 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Kozie_18
• Track 2 : Dropshot_33, Warren_33
• Track 3 : Bush_35
• Track 4 : Pickles13_32
• Track 5 : MenE_37
• Track 6 : Cece_43, Cece_345

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

The start number called the most often in the published annotations is 8, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cece_345, Cece_43,

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

Genes that do not have the "Most Annotated" start:
• Bush_35, Dropshot_33, Kozie_18, MenE_37, Pickles13_32, Warren_33,

Summary by start number:

Start 5:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Bush_35 (GA), Dropshot_33 (GA), Warren_33 (GA),

Start 6:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 40.0% of time when present

• Phage (with cluster) where this start called: MenE_37 (GA), Pickles13_32 (GA),

Start 7:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kozie_18 (EI),

Start 8:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cece_345 (GD3), Cece_43 (GD3),

Summary by clusters:

There are 3 clusters represented in this pham: GD3, EI, GA,

Info for manual annotations of cluster EI:
•Start number 7 was manually annotated 1 time for cluster EI.

Info for manual annotations of cluster GA:
•Start number 5 was manually annotated 2 times for cluster GA.
•Start number 6 was manually annotated 1 time for cluster GA.

Info for manual annotations of cluster GD3:
•Start number 8 was manually annotated 2 times for cluster GD3.

Gene Information:
Gene: Bush_35 Start: 21302, Stop: 21625, Start Num: 5
Candidate Starts for Bush_35:
(Start: 5 @21302 has 2 MA's), (Start: 6 @21326 has 1 MA's), (9, 21341), (14, 21464), (15, 21608),

Gene: Cece_43 Start: 16080, Stop: 16322, Start Num: 8
Candidate Starts for Cece_43:
(Start: 8 @16080 has 2 MA's), (10, 16128), (12, 16152), (13, 16176),

Gene: Cece_345 Start: 184514, Stop: 184756, Start Num: 8
Candidate Starts for Cece_345:
(Start: 8 @184514 has 2 MA's), (10, 184562), (12, 184586), (13, 184610),

Gene: Dropshot_33 Start: 21174, Stop: 21488, Start Num: 5
Candidate Starts for Dropshot_33:
(Start: 5 @21174 has 2 MA's), (Start: 6 @21198 has 1 MA's), (9, 21213),

Gene: Kozie_18 Start: 10515, Stop: 10769, Start Num: 7
Candidate Starts for Kozie_18:
(4, 10437), (Start: 7 @10515 has 1 MA's), (11, 10587), (14, 10635),

Gene: MenE_37 Start: 21466, Stop: 21765, Start Num: 6

Candidate Starts for MenE_37:
(Start: 5 @21442 has 2 MA's), (Start: 6 @21466 has 1 MA's), (9, 21481),

Gene: Pickles13_32 Start: 21628, Stop: 21918, Start Num: 6
Candidate Starts for Pickles13_32:
(1, 21472), (2, 21478), (3, 21496), (Start: 6 @21628 has 1 MA's), (16, 21907),

Gene: Warren_33 Start: 21371, Stop: 21694, Start Num: 5
Candidate Starts for Warren_33:
(Start: 5 @21371 has 2 MA's), (Start: 6 @21395 has 1 MA's), (9, 21410),