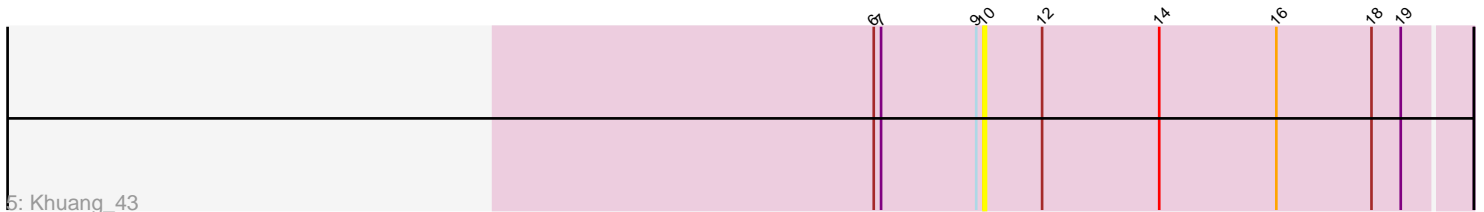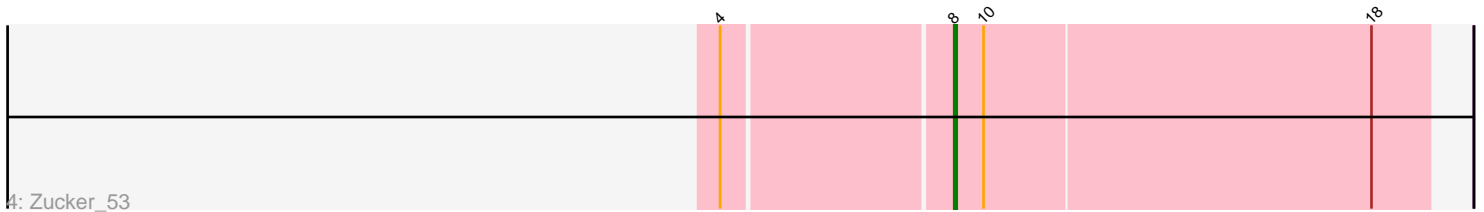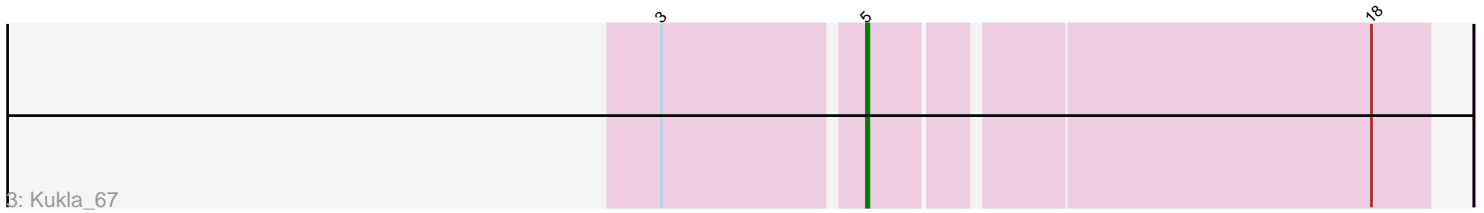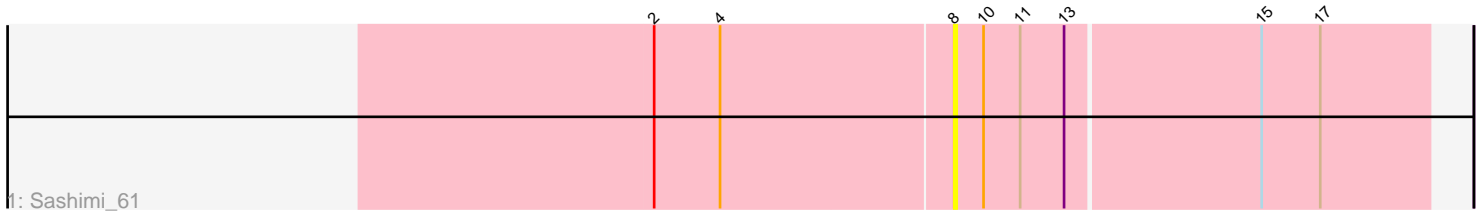# Pham 223719

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 223719 Report

This analysis was run 03/28/25 on database version 593.

Pham number 223719 has 7 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Sashimi_61
• Track 2 : TripleJ_67
• Track 3 : Kukla_67
• Track 4 : Zucker_53
• Track 5 : Khuang_43
• Track 6 : Altostratus_41
• Track 7 : DillyDally_57

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 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DillyDally_57, Sashimi_61, TripleJ_67, Zucker_53,

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

Genes that do not have the "Most Annotated" start:
• Altostratus_41, Khuang_43, Kukla_67,

Summary by start number:

Start 5:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kukla_67 (FJ),

Start 8:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present

• Phage (with cluster) where this start called: DillyDally_57 (singleton), Sashimi_61 (AY), TripleJ_67 (FJ), Zucker_53 (FN),

Start 10:
• Found in 5 of 7 (71.4%) of genes in pham
• No Manual Annotations of this start.
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Altostratus_41 (FS), Khuang_43 (FS),

Summary by clusters:

There are 5 clusters represented in this pham: AY, singleton, FS, FJ, FN,

Info for manual annotations of cluster FJ:
•Start number 5 was manually annotated 1 time for cluster FJ.
•Start number 8 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster FN:
•Start number 8 was manually annotated 1 time for cluster FN.

Gene Information:
Gene: Altostratus_41 Start: 26630, Stop: 26430, Start Num: 10
Candidate Starts for Altostratus_41:
(9, 26633), (10, 26630), (12, 26606), (18, 26471),

Gene: DillyDally_57 Start: 36085, Stop: 36264, Start Num: 8
Candidate Starts for DillyDally_57:
(Start: 8 @36085 has 2 MA's), (18, 36241),

Gene: Khuang_43 Start: 26829, Stop: 26632, Start Num: 10
Candidate Starts for Khuang_43:
(6, 26874), (7, 26871), (9, 26832), (10, 26829), (12, 26805), (14, 26757), (16, 26709), (18, 26670), (19, 26658),

Gene: Kukla_67 Start: 40486, Stop: 40704, Start Num: 5
Candidate Starts for Kukla_67:
(3, 40408), (Start: 5 @40486 has 1 MA's), (18, 40681),

Gene: Sashimi_61 Start: 35052, Stop: 35243, Start Num: 8
Candidate Starts for Sashimi_61:
(2, 34932), (4, 34959), (Start: 8 @35052 has 2 MA's), (10, 35064), (11, 35079), (13, 35097), (15, 35175), (17, 35199),

Gene: TripleJ_67 Start: 40089, Stop: 40280, Start Num: 8
Candidate Starts for TripleJ_67:
(1, 39735), (Start: 8 @40089 has 2 MA's), (10, 40101), (18, 40257),

Gene: Zucker_53 Start: 33382, Stop: 33573, Start Num: 8

Candidate Starts for Zucker_53:
(4, 33295), (Start: 8 @33382 has 2 MA's), (10, 33394), (18, 33550),