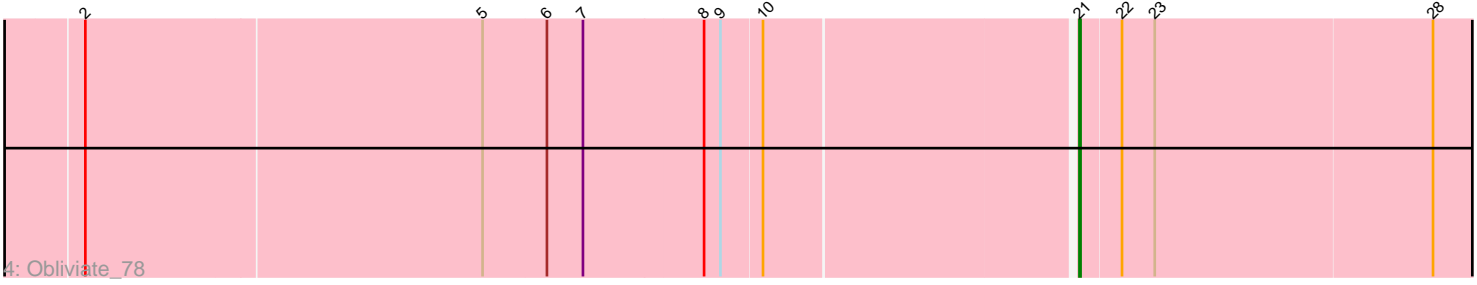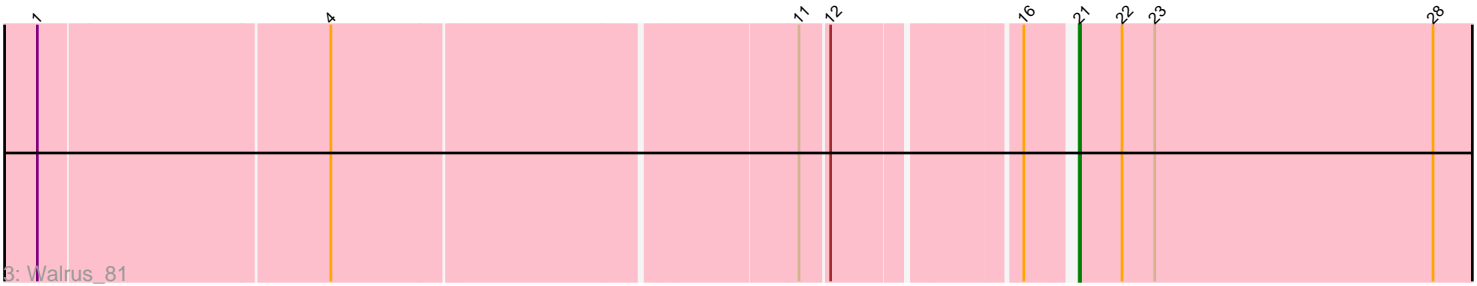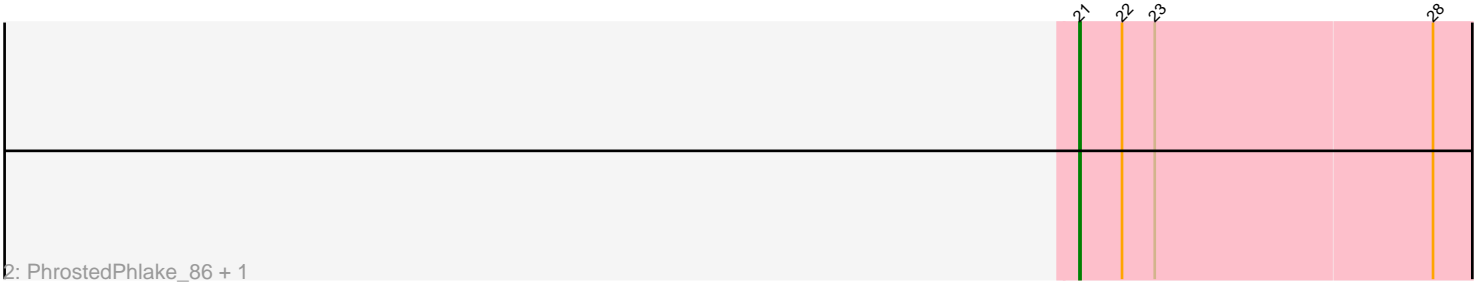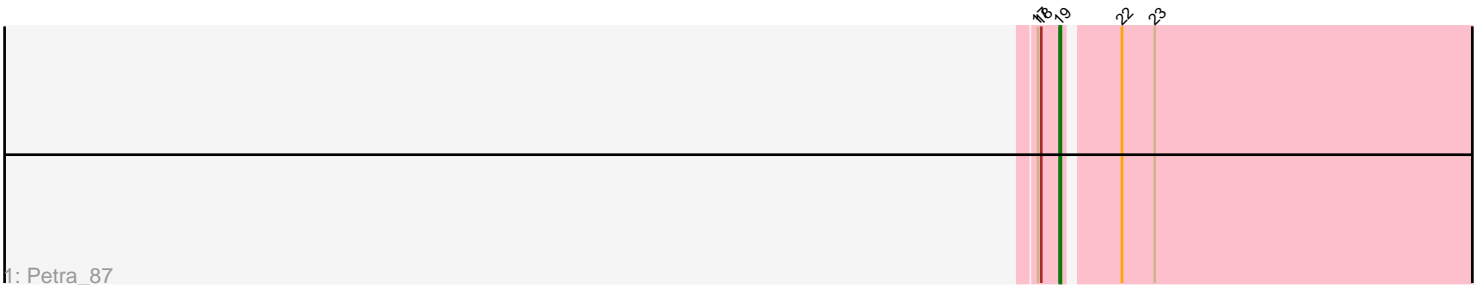# Pham 88305

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 88305 Report

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

Pham number 88305 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Petra_87
• Track 2 : PhrostedPhlake_86, KappaFarmDelta_79
• Track 3 : Walrus_81
• Track 4 : Obliviate_78
• Track 5 : William_81

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

The start number called the most often in the published annotations is 21, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• KappaFarmDelta_79, Obliviate_78, PhrostedPhlake_86, Walrus_81,

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

Genes that do not have the "Most Annotated" start:
• Petra_87, William_81,

Summary by start number:

Start 19:
• Found in 2 of 6 (33.3%) 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: Petra_87 (CV), William_81 (CV),

Start 21:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KappaFarmDelta_79 (CV), Obliviate_78 (CV), PhrostedPhlake_86 (CV), Walrus_81 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:
•Start number 19 was manually annotated 2 times for cluster CV.
•Start number 21 was manually annotated 4 times for cluster CV.

Gene Information:
Gene: KappaFarmDelta_79 Start: 48356, Stop: 48718, Start Num: 21
Candidate Starts for KappaFarmDelta_79:
(Start: 21 @48356 has 4 MA's), (22, 48395), (23, 48425), (28, 48677),

Gene: Obliviate_78 Start: 47705, Stop: 48070, Start Num: 21
Candidate Starts for Obliviate_78:
(2, 46826), (5, 47183), (6, 47240), (7, 47273), (8, 47381), (9, 47396), (10, 47432), (Start: 21 @47705 has 4 MA's), (22, 47741), (23, 47771), (28, 48023),

Gene: Petra_87 Start: 51015, Stop: 51386, Start Num: 19
Candidate Starts for Petra_87:
(17, 50997), (18, 51000), (Start: 19 @51015 has 2 MA's), (22, 51060), (23, 51090),

Gene: PhrostedPhlake_86 Start: 50781, Stop: 51143, Start Num: 21
Candidate Starts for PhrostedPhlake_86:
(Start: 21 @50781 has 4 MA's), (22, 50820), (23, 50850), (28, 51102),

Gene: Walrus_81 Start: 50574, Stop: 50942, Start Num: 21
Candidate Starts for Walrus_81:
(1, 49695), (4, 49953), (11, 50358), (12, 50382), (16, 50538), (Start: 21 @50574 has 4 MA's), (22, 50613), (23, 50643), (28, 50898),

Gene: William_81 Start: 49629, Stop: 50006, Start Num: 19
Candidate Starts for William_81:
(3, 48831), (13, 49428), (14, 49539), (15, 49548), (Start: 19 @49629 has 2 MA's), (20, 49641), (23, 49716), (24, 49785), (25, 49833), (26, 49875), (27, 49953), (29, 49971),