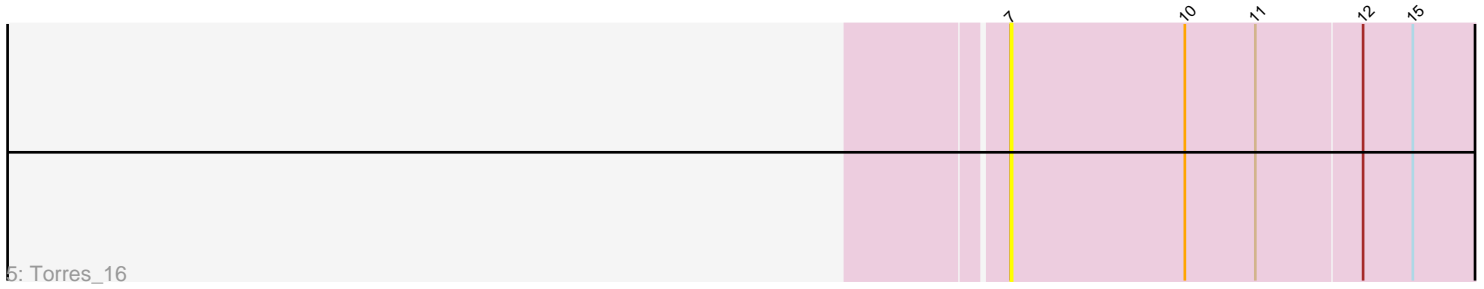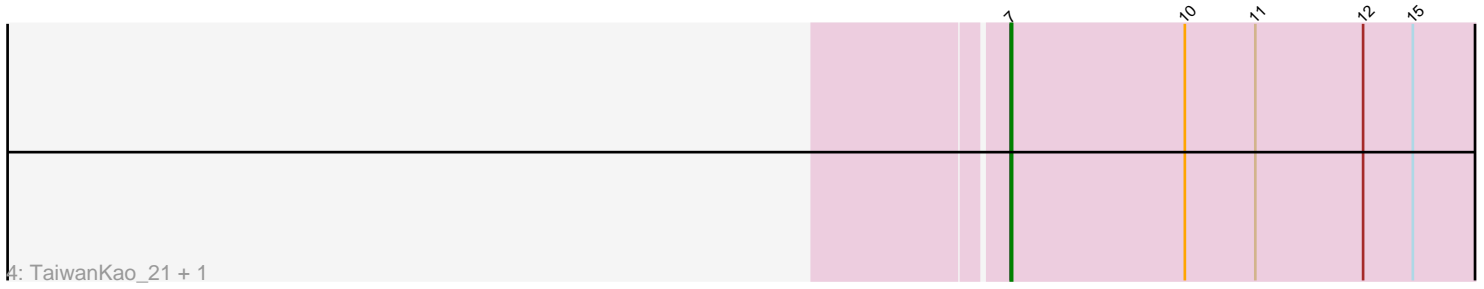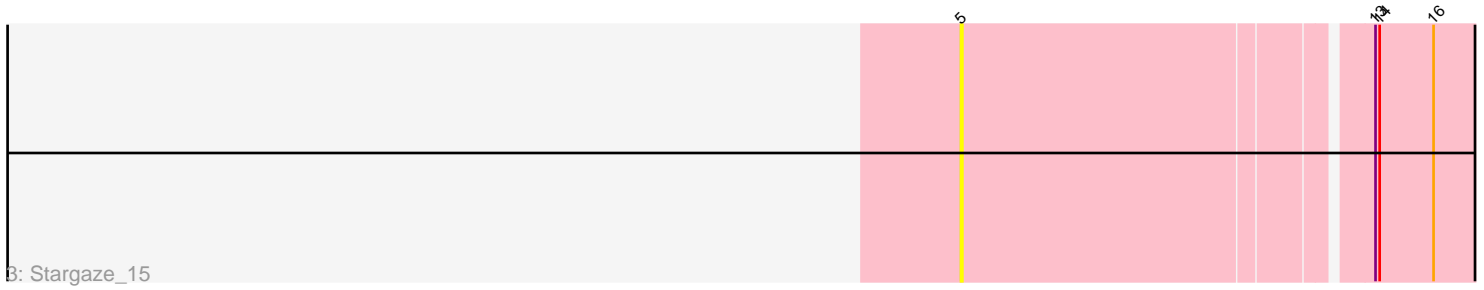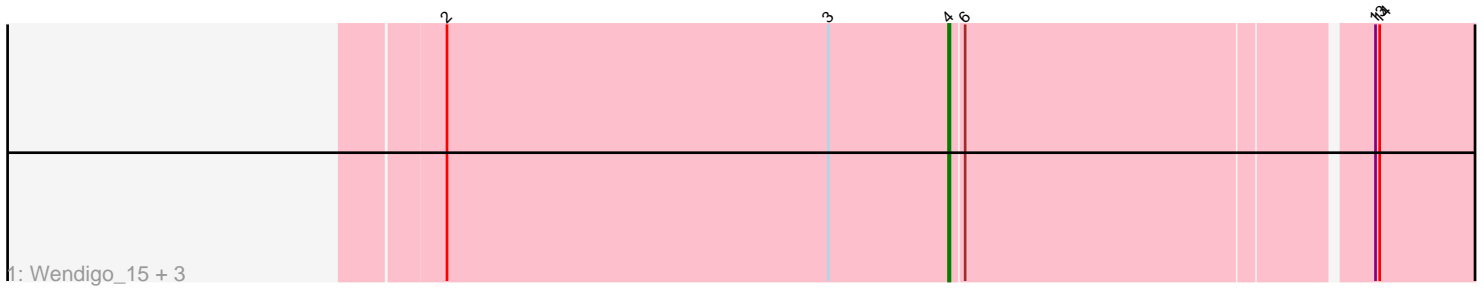# Pham 197088

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 197088 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197088 has 9 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Wendigo_15, DNAIII_0015, Maliketh_15, AzulaCat_15
• Track 2 : Pace1224_15
• Track 3 : Stargaze_15
• Track 4 : TaiwanKao_21, Llorens_20
• Track 5 : Torres_16

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

The start number called the most often in the published annotations is 4, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AzulaCat_15, DNAIII_0015, Maliketh_15, Wendigo_15,

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

Genes that do not have the "Most Annotated" start:
• Llorens_20, Pace1224_15, Stargaze_15, TaiwanKao_21, Torres_16,

Summary by start number:

Start 4:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AzulaCat_15 (G1), DNAIII_0015 (G1), Maliketh_15 (G1), Wendigo_15 (G1),

Start 5:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stargaze_15 (G5),

Start 7:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Llorens_20 (K1), TaiwanKao_21 (K1), Torres_16 (K1),

Start 8:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pace1224_15 (G2),

Summary by clusters:

There are 4 clusters represented in this pham: K1, G5, G2, G1,

Info for manual annotations of cluster G1:
•Start number 4 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster K1:
•Start number 7 was manually annotated 1 time for cluster K1.

Gene Information:
Gene: AzulaCat_15 Start: 11087, Stop: 11464, Start Num: 4
Candidate Starts for AzulaCat_15:
(2, 10724), (3, 11000), (Start: 4 @11087 has 1 MA's), (6, 11096), (13, 11375), (14, 11378),

Gene: DNAIII_0015 Start: 11096, Stop: 11473, Start Num: 4
Candidate Starts for DNAIII_0015:
(2, 10733), (3, 11009), (Start: 4 @11096 has 1 MA's), (6, 11105), (13, 11384), (14, 11387),

Gene: Llorens_20 Start: 11763, Stop: 12116, Start Num: 7
Candidate Starts for Llorens_20:
(Start: 7 @11763 has 1 MA's), (10, 11889), (11, 11940), (12, 12018), (15, 12054),

Gene: Maliketh_15 Start: 11087, Stop: 11464, Start Num: 4
Candidate Starts for Maliketh_15:
(2, 10724), (3, 11000), (Start: 4 @11087 has 1 MA's), (6, 11096), (13, 11375), (14, 11378),

Gene: Pace1224_15 Start: 11290, Stop: 11628, Start Num: 8
Candidate Starts for Pace1224_15:
(1, 10573), (2, 10861), (8, 11290), (9, 11320), (13, 11512), (14, 11515), (16, 11554),

Gene: Stargaze_15 Start: 11389, Stop: 11766, Start Num: 5
Candidate Starts for Stargaze_15:
(5, 11389), (13, 11668), (14, 11671), (16, 11710),

Gene: TaiwanKao_21 Start: 11699, Stop: 12052, Start Num: 7
Candidate Starts for TaiwanKao_21:
(Start: 7 @11699 has 1 MA's), (10, 11825), (11, 11876), (12, 11954), (15, 11990),

Gene: Torres_16 Start: 10977, Stop: 11327, Start Num: 7
Candidate Starts for Torres_16:
(Start: 7 @10977 has 1 MA's), (10, 11103), (11, 11154), (12, 11229), (15, 11265),

Gene: Wendigo_15 Start: 11087, Stop: 11464, Start Num: 4
Candidate Starts for Wendigo_15:
(2, 10724), (3, 11000), (Start: 4 @11087 has 1 MA's), (6, 11096), (13, 11375), (14, 11378),