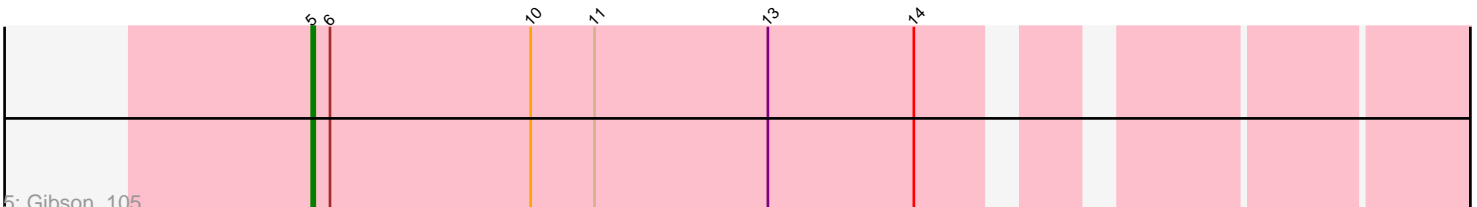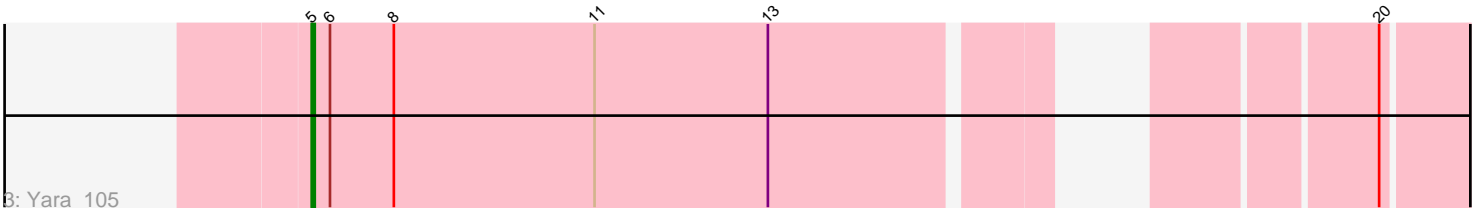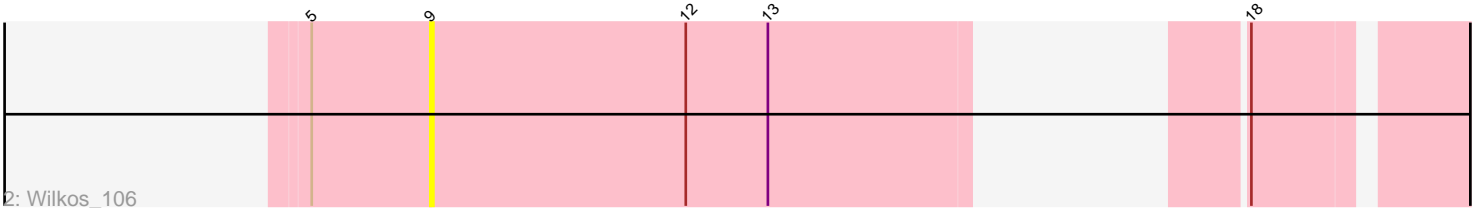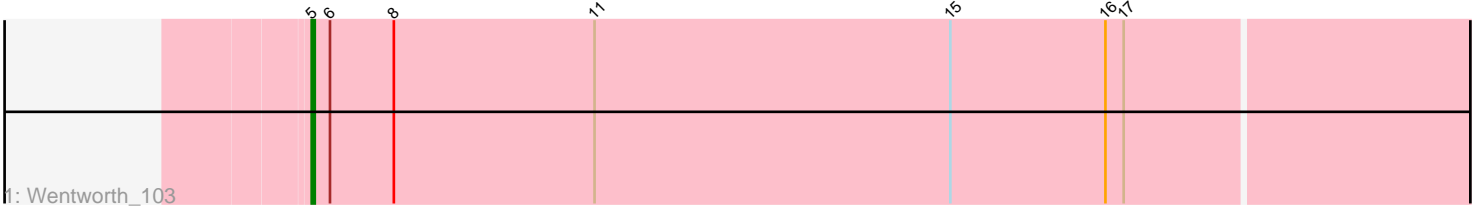# Pham 87907

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 87907 Report

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

Pham number 87907 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wentworth_103
• Track 2 : Wilkos_106
• Track 3 : Yara_105
• Track 4 : PHTowN_104, ShakeNBake_104
• Track 5 : Gibson_105
• Track 6 : Dryad_109
• Track 7 : Rooney_104

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dryad_109, Gibson_105, PHTowN_104, Rooney_104, ShakeNBake_104, Wentworth_103, Yara_105,

Genes that have the "Most Annotated" start but do not call it:
• Wilkos_106,

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

Summary by start number:

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Dryad_109 (BN), Gibson_105 (BN), PHTowN_104 (BN), Rooney_104 (BN), ShakeNBake_104 (BN), Wentworth_103 (BN), Yara_105 (BN),

Start 9:

• Found in 2 of 8 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Wilkos_106 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:
•Start number 5 was manually annotated 7 times for cluster BN.

Gene Information:

Gene: Dryad_109 Start: 68429, Stop: 68037, Start Num: 5
Candidate Starts for Dryad_109:
(2, 68480), (3, 68450), (4, 68435), (Start: 5 @68429 has 7 MA's), (6, 68423), (7, 68417),

Gene: Gibson_105 Start: 68860, Stop: 68477, Start Num: 5
Candidate Starts for Gibson_105:
(Start: 5 @68860 has 7 MA's), (6, 68854), (10, 68788), (11, 68767), (13, 68710), (14, 68662),

Gene: PHTowN_104 Start: 68722, Stop: 68315, Start Num: 5
Candidate Starts for PHTowN_104:
(Start: 5 @68722 has 7 MA's), (6, 68716), (8, 68695), (11, 68629),

Gene: Rooney_104 Start: 68520, Stop: 68170, Start Num: 5
Candidate Starts for Rooney_104:
(1, 68589), (Start: 5 @68520 has 7 MA's), (9, 68481), (18, 68256), (19, 68229),

Gene: ShakeNBake_104 Start: 68750, Stop: 68343, Start Num: 5
Candidate Starts for ShakeNBake_104:
(Start: 5 @68750 has 7 MA's), (6, 68744), (8, 68723), (11, 68657),

Gene: Wentworth_103 Start: 67561, Stop: 67121, Start Num: 5
Candidate Starts for Wentworth_103:
(Start: 5 @67561 has 7 MA's), (6, 67555), (8, 67534), (11, 67468), (15, 67351), (16, 67300), (17, 67294),

Gene: Wilkos_106 Start: 68775, Stop: 68488, Start Num: 9
Candidate Starts for Wilkos_106:
(Start: 5 @68814 has 7 MA's), (9, 68775), (12, 68691), (13, 68664), (18, 68574),

Gene: Yara_105 Start: 67951, Stop: 67568, Start Num: 5
Candidate Starts for Yara_105:
(Start: 5 @67951 has 7 MA's), (6, 67945), (8, 67924), (11, 67858), (13, 67801), (20, 67645),