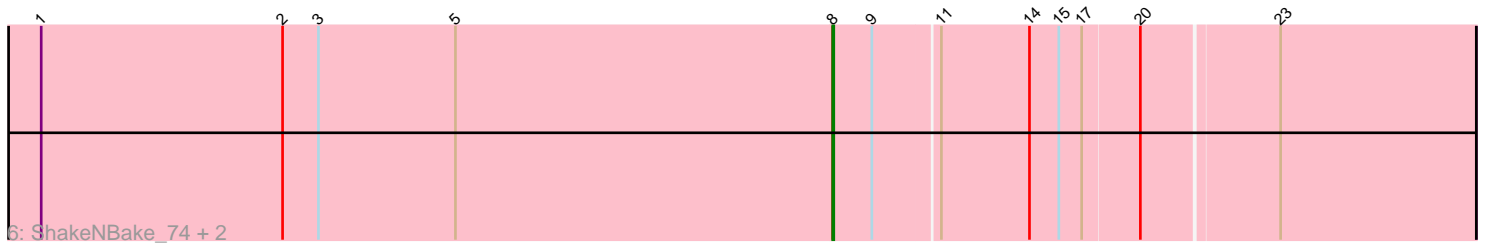
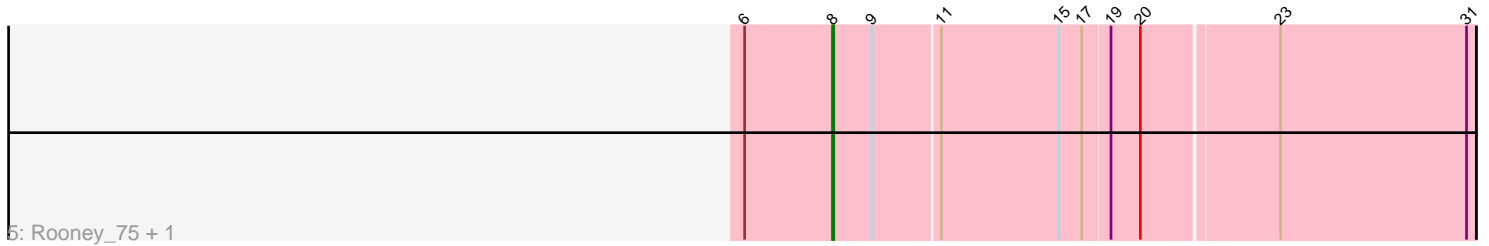
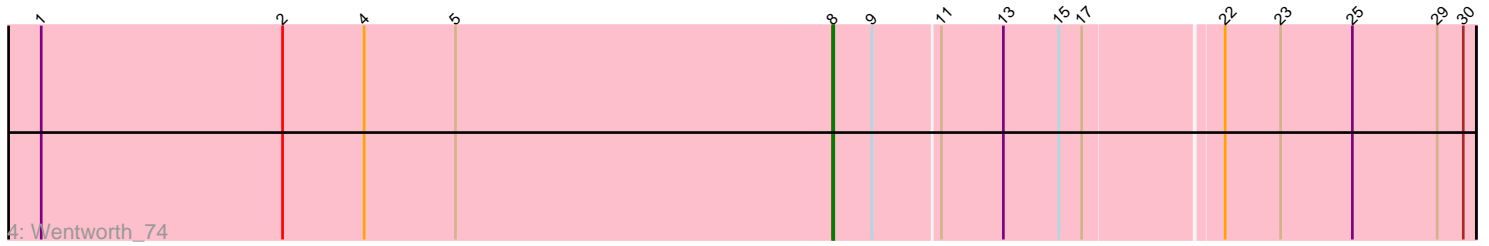
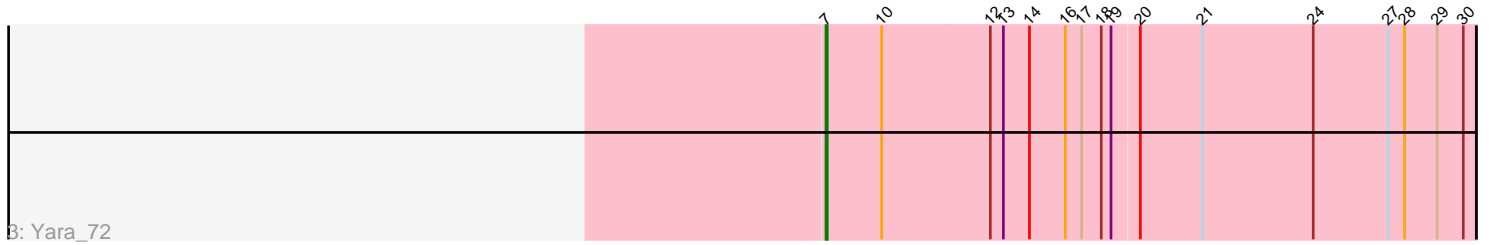
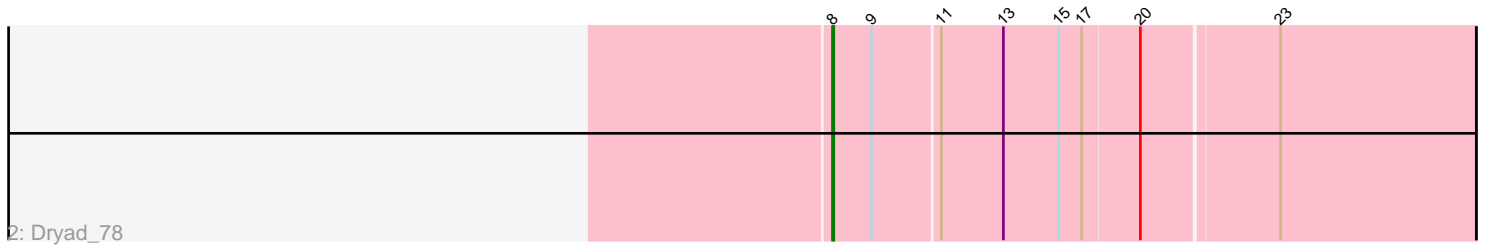
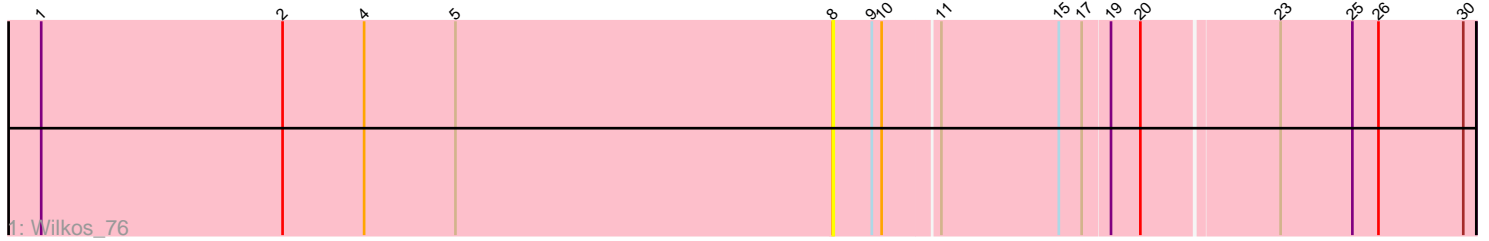


Pham 6398



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 6398 Report

This analysis was run 03/30/24 on database version 556.

Pham number 6398 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Wilkos_76
- Track 2 : Dryad_78
- Track 3 : Yara_72
- Track 4 : Wentworth_74
- Track 5 : Rooney_75, Gibson_75
- Track 6 : ShakeNBake_74, PHTowN_74, Lizz_74

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dryad_78, Gibson_75, Lizz_74, PHTowN_74, Rooney_75, ShakeNBake_74, Wentworth_74, Wilkos_76,

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

-

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

- Yara_72,

Summary by start number:

Start 7:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yara_72 (BN),

Start 8:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Dryad_78 (BN), Gibson_75 (BN), Lizz_74 (BN), PHTowN_74 (BN), Rooney_75 (BN), ShakeNBake_74 (BN), Wentworth_74 (BN), Wilkos_76 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:

- Start number 7 was manually annotated 1 time for cluster BN.
- Start number 8 was manually annotated 7 times for cluster BN.

Gene Information:

Gene: Dryad_78 Start: 52632, Stop: 52060, Start Num: 8

Candidate Starts for Dryad_78:

(Start: 8 @52632 has 7 MA's), (9, 52596), (11, 52539), (13, 52482), (15, 52431), (17, 52410), (20, 52359), (23, 52239),

Gene: Gibson_75 Start: 51969, Stop: 51397, Start Num: 8

Candidate Starts for Gibson_75:

(6, 52047), (Start: 8 @51969 has 7 MA's), (9, 51933), (11, 51876), (15, 51768), (17, 51747), (19, 51723), (20, 51696), (23, 51576), (31, 51405),

Gene: Lizz_74 Start: 51798, Stop: 51226, Start Num: 8

Candidate Starts for Lizz_74:

(1, 52524), (2, 52302), (3, 52269), (5, 52143), (Start: 8 @51798 has 7 MA's), (9, 51762), (11, 51705), (14, 51624), (15, 51597), (17, 51576), (20, 51525), (23, 51405),

Gene: PHTowN_74 Start: 51796, Stop: 51224, Start Num: 8

Candidate Starts for PHTowN_74:

(1, 52522), (2, 52300), (3, 52267), (5, 52141), (Start: 8 @51796 has 7 MA's), (9, 51760), (11, 51703), (14, 51622), (15, 51595), (17, 51574), (20, 51523), (23, 51403),

Gene: Rooney_75 Start: 51945, Stop: 51373, Start Num: 8

Candidate Starts for Rooney_75:

(6, 52023), (Start: 8 @51945 has 7 MA's), (9, 51909), (11, 51852), (15, 51744), (17, 51723), (19, 51699), (20, 51672), (23, 51552), (31, 51381),

Gene: ShakeNBake_74 Start: 51823, Stop: 51251, Start Num: 8

Candidate Starts for ShakeNBake_74:

(1, 52549), (2, 52327), (3, 52294), (5, 52168), (Start: 8 @51823 has 7 MA's), (9, 51787), (11, 51730), (14, 51649), (15, 51622), (17, 51601), (20, 51550), (23, 51430),

Gene: Wentworth_74 Start: 51841, Stop: 51269, Start Num: 8

Candidate Starts for Wentworth_74:

(1, 52567), (2, 52345), (4, 52270), (5, 52186), (Start: 8 @51841 has 7 MA's), (9, 51805), (11, 51748), (13, 51691), (15, 51640), (17, 51619), (22, 51499), (23, 51448), (25, 51382), (29, 51304), (30, 51280),

Gene: Wilkos_76 Start: 52007, Stop: 51435, Start Num: 8

Candidate Starts for Wilkos_76:

(1, 52733), (2, 52511), (4, 52436), (5, 52352), (Start: 8 @52007 has 7 MA's), (9, 51971), (10, 51962), (11, 51914), (15, 51806), (17, 51785), (19, 51761), (20, 51734), (23, 51614), (25, 51548), (26, 51524), (30, 51446),

Gene: Yara_72 Start: 51136, Stop: 50543, Start Num: 7

Candidate Starts for Yara_72:

(Start: 7 @51136 has 1 MA's), (10, 51085), (12, 50986), (13, 50974), (14, 50950), (16, 50917), (17, 50902), (18, 50884), (19, 50875), (20, 50851), (21, 50794), (24, 50692), (27, 50623), (28, 50608), (29, 50578), (30, 50554),