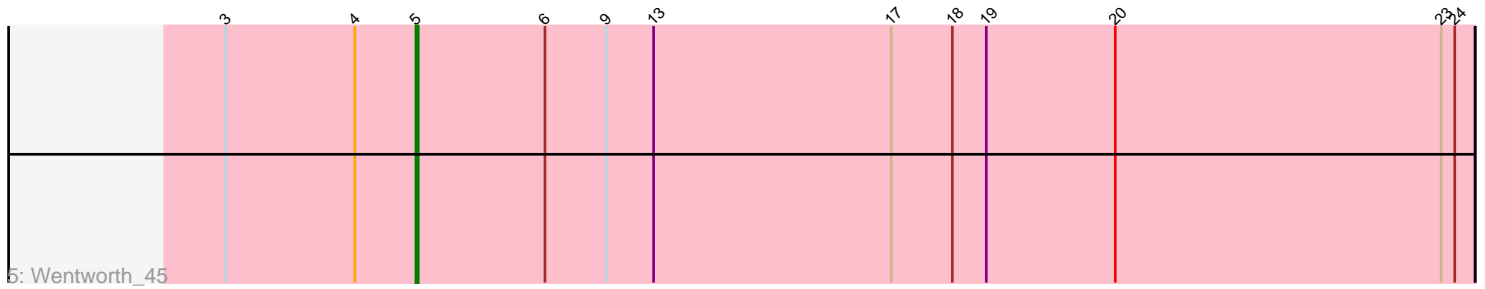
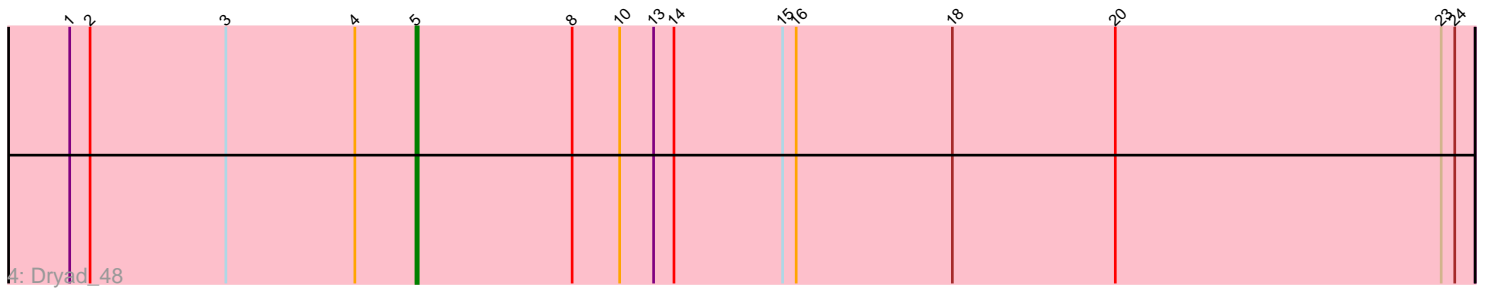
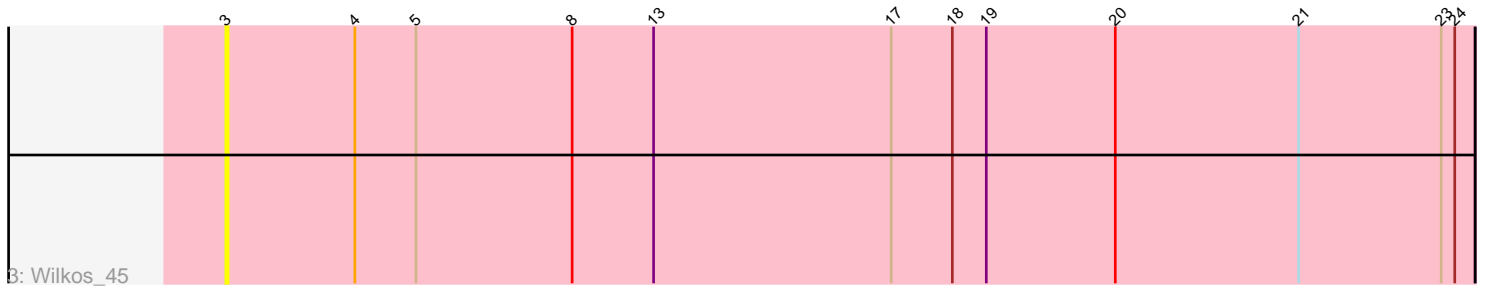
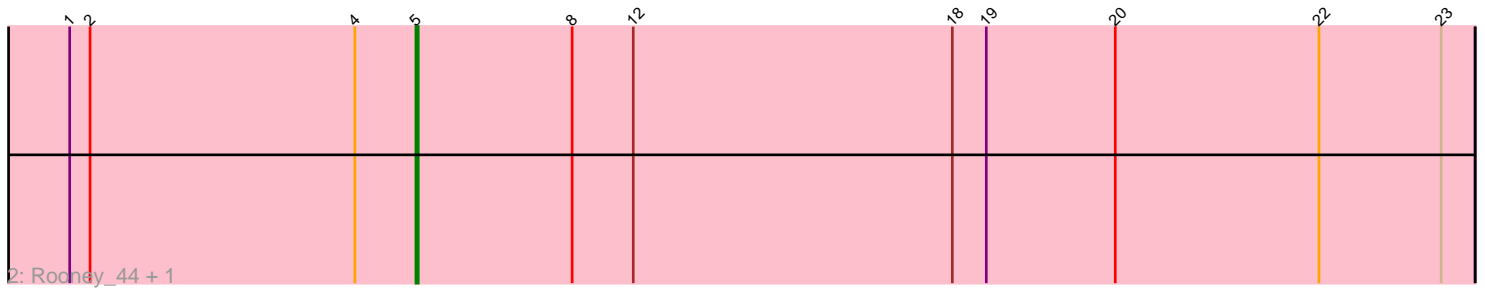
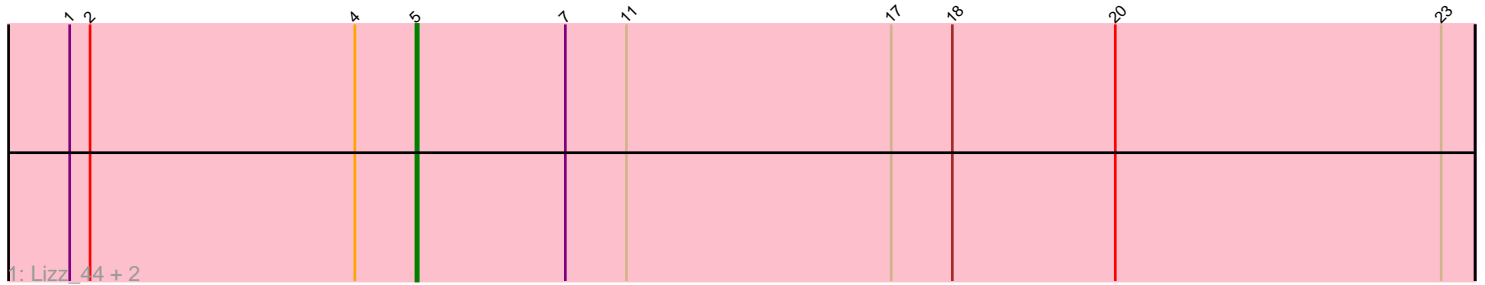


Pham 7161



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 7161 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7161 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Lizz_44, PHTowN_44, ShakeNBake_44
- Track 2 : Rooney_44, Gibson_44
- Track 3 : Wilkos_45
- Track 4 : Dryad_48
- Track 5 : Wentworth_45

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_48, Gibson_44, Lizz_44, PHTowN_44, Rooney_44, ShakeNBake_44, Wentworth_45,

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

- Wilkos_45,

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

•

Summary by start number:

Start 3:

- Found in 3 of 8 (37.5%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Wilkos_45 (BN),

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_48 (BN), Gibson_44 (BN), Lizz_44 (BN), PHTowN_44 (BN), Rooney_44 (BN), ShakeNBake_44 (BN), Wentworth_45 (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_48 Start: 33482, Stop: 33015, Start Num: 5

Candidate Starts for Dryad_48:

(1, 33635), (2, 33626), (3, 33566), (4, 33509), (Start: 5 @33482 has 7 MA's), (8, 33413), (10, 33392), (13, 33377), (14, 33368), (15, 33320), (16, 33314), (18, 33245), (20, 33173), (23, 33029), (24, 33023),

Gene: Gibson_44 Start: 33000, Stop: 32533, Start Num: 5

Candidate Starts for Gibson_44:

(1, 33153), (2, 33144), (4, 33027), (Start: 5 @33000 has 7 MA's), (8, 32931), (12, 32904), (18, 32763), (19, 32748), (20, 32691), (22, 32601), (23, 32547),

Gene: Lizz_44 Start: 32814, Stop: 32347, Start Num: 5

Candidate Starts for Lizz_44:

(1, 32967), (2, 32958), (4, 32841), (Start: 5 @32814 has 7 MA's), (7, 32748), (11, 32721), (17, 32604), (18, 32577), (20, 32505), (23, 32361),

Gene: PHTowN_44 Start: 32812, Stop: 32345, Start Num: 5

Candidate Starts for PHTowN_44:

(1, 32965), (2, 32956), (4, 32839), (Start: 5 @32812 has 7 MA's), (7, 32746), (11, 32719), (17, 32602), (18, 32575), (20, 32503), (23, 32359),

Gene: Rooney_44 Start: 32997, Stop: 32530, Start Num: 5

Candidate Starts for Rooney_44:

(1, 33150), (2, 33141), (4, 33024), (Start: 5 @32997 has 7 MA's), (8, 32928), (12, 32901), (18, 32760), (19, 32745), (20, 32688), (22, 32598), (23, 32544),

Gene: ShakeNBake_44 Start: 32830, Stop: 32363, Start Num: 5

Candidate Starts for ShakeNBake_44:

(1, 32983), (2, 32974), (4, 32857), (Start: 5 @32830 has 7 MA's), (7, 32764), (11, 32737), (17, 32620), (18, 32593), (20, 32521), (23, 32377),

Gene: Wentworth_45 Start: 33296, Stop: 32829, Start Num: 5

Candidate Starts for Wentworth_45:

(3, 33380), (4, 33323), (Start: 5 @33296 has 7 MA's), (6, 33239), (9, 33212), (13, 33191), (17, 33086), (18, 33059), (19, 33044), (20, 32987), (23, 32843), (24, 32837),

Gene: Wilkos_45 Start: 33201, Stop: 32650, Start Num: 3

Candidate Starts for Wilkos_45:

(3, 33201), (4, 33144), (Start: 5 @33117 has 7 MA's), (8, 33048), (13, 33012), (17, 32907), (18, 32880), (19, 32865), (20, 32808), (21, 32727), (23, 32664), (24, 32658),