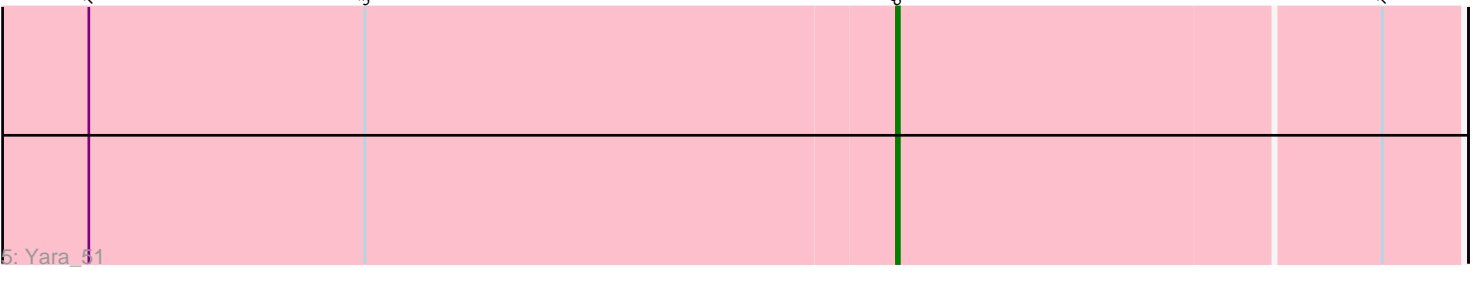
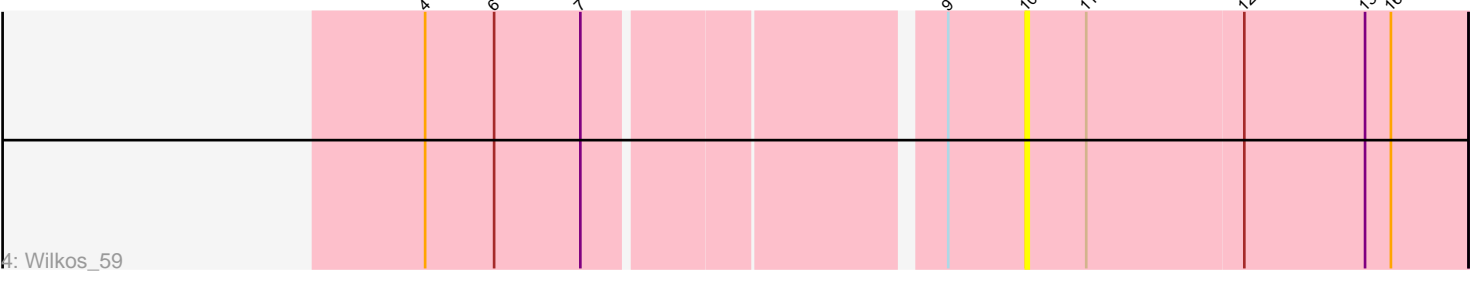
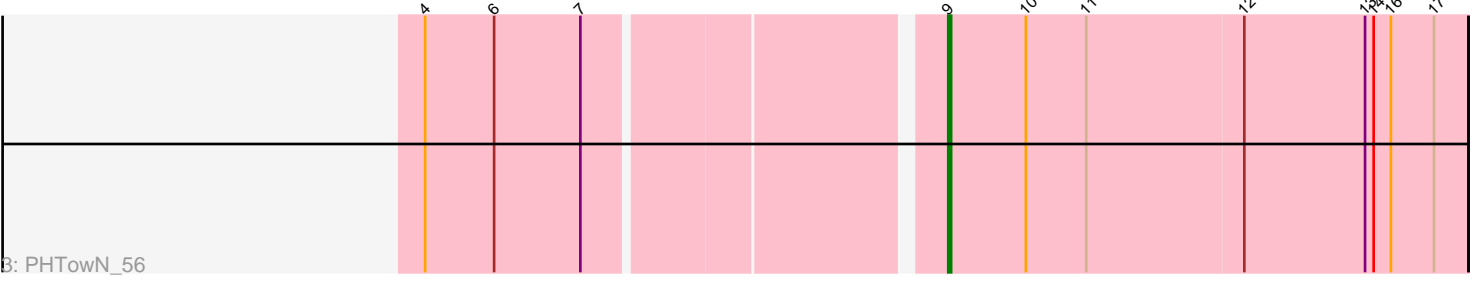
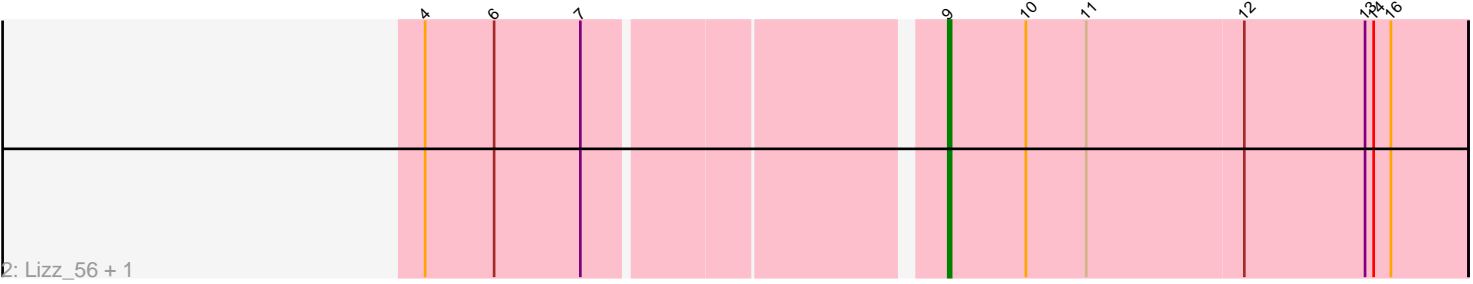
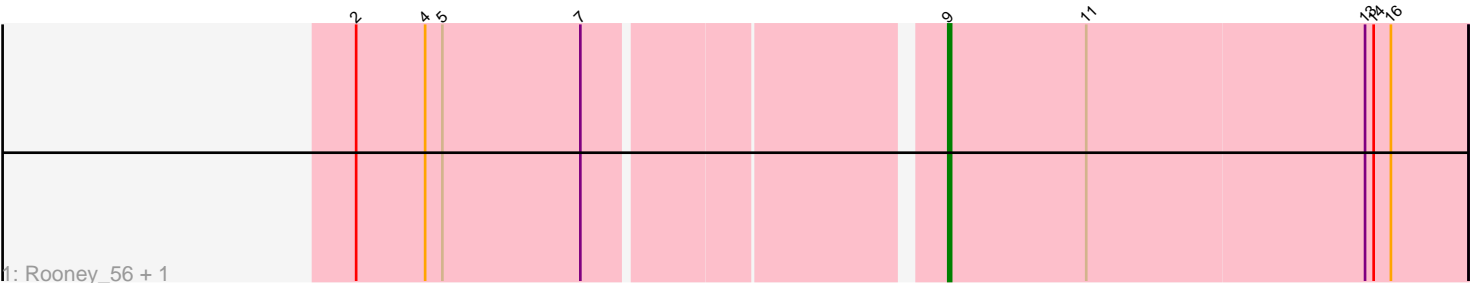


Pham 7960



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 7960 Report

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

Pham number 7960 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Rooney_56, Gibson_56
- Track 2 : Lizz_56, ShakeNBake_56
- Track 3 : PHTowN_56
- Track 4 : Wilkos_59
- Track 5 : Yara_51

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gibson_56, Lizz_56, PHTowN_56, Rooney_56, ShakeNBake_56,

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

- Wilkos_59,

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

- Yara_51,

Summary by start number:

Start 8:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yara_51 (BN),

Start 9:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Gibson_56 (BN), Lizz_56 (BN), PHTowN_56 (BN), Rooney_56 (BN), ShakeNBake_56 (BN),

Start 10:

- Found in 4 of 7 (57.1%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Wilkos_59 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:

- Start number 8 was manually annotated 1 time for cluster BN.
- Start number 9 was manually annotated 5 times for cluster BN.

Gene Information:

Gene: Gibson_56 Start: 41982, Stop: 41803, Start Num: 9

Candidate Starts for Gibson_56:

(2, 42174), (4, 42150), (5, 42144), (7, 42096), (Start: 9 @41982 has 5 MA's), (11, 41934), (13, 41838), (14, 41835), (16, 41829),

Gene: Lizz_56 Start: 41822, Stop: 41643, Start Num: 9

Candidate Starts for Lizz_56:

(4, 41990), (6, 41966), (7, 41936), (Start: 9 @41822 has 5 MA's), (10, 41795), (11, 41774), (12, 41720), (13, 41678), (14, 41675), (16, 41669),

Gene: PHTowN_56 Start: 41820, Stop: 41641, Start Num: 9

Candidate Starts for PHTowN_56:

(4, 41988), (6, 41964), (7, 41934), (Start: 9 @41820 has 5 MA's), (10, 41793), (11, 41772), (12, 41718), (13, 41676), (14, 41673), (16, 41667), (17, 41652),

Gene: Rooney_56 Start: 41979, Stop: 41800, Start Num: 9

Candidate Starts for Rooney_56:

(2, 42171), (4, 42147), (5, 42141), (7, 42093), (Start: 9 @41979 has 5 MA's), (11, 41931), (13, 41835), (14, 41832), (16, 41826),

Gene: ShakeNBake_56 Start: 41838, Stop: 41659, Start Num: 9

Candidate Starts for ShakeNBake_56:

(4, 42006), (6, 41982), (7, 41952), (Start: 9 @41838 has 5 MA's), (10, 41811), (11, 41790), (12, 41736), (13, 41694), (14, 41691), (16, 41685),

Gene: Wilkos_59 Start: 42125, Stop: 41973, Start Num: 10

Candidate Starts for Wilkos_59:

(4, 42320), (6, 42296), (7, 42266), (Start: 9 @42152 has 5 MA's), (10, 42125), (11, 42104), (12, 42050), (13, 42008), (16, 41999),

Gene: Yara_51 Start: 40524, Stop: 40333, Start Num: 8

Candidate Starts for Yara_51:

(1, 40803), (3, 40707), (Start: 8 @40524 has 1 MA's), (15, 40359),