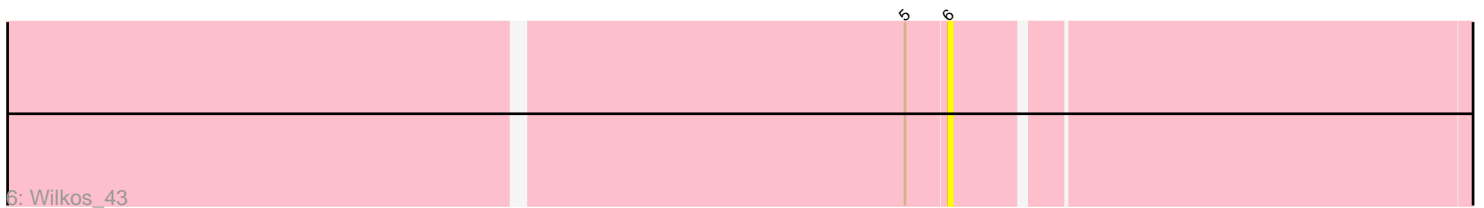
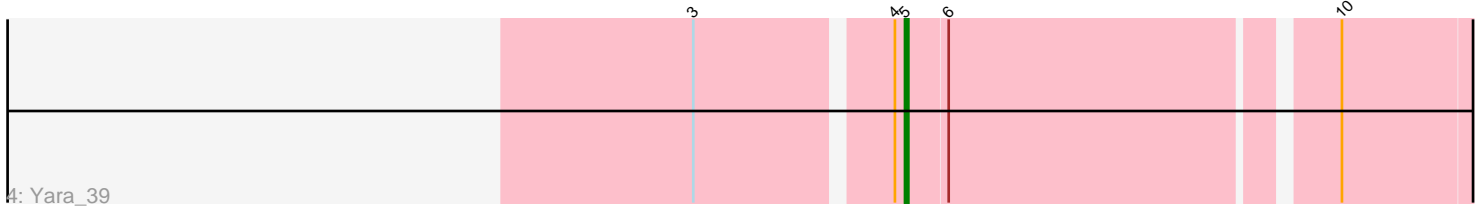
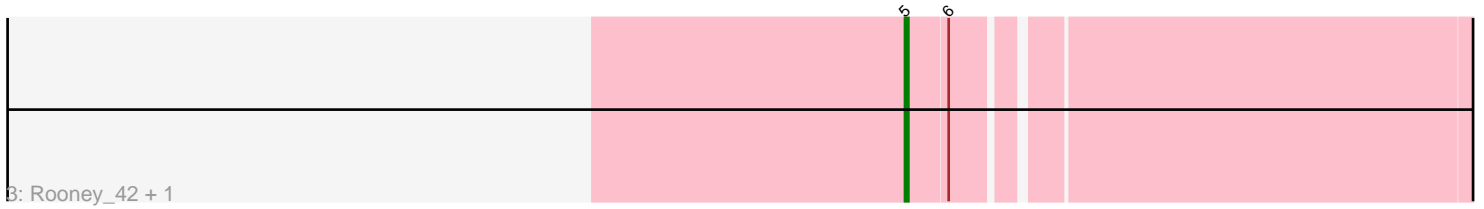
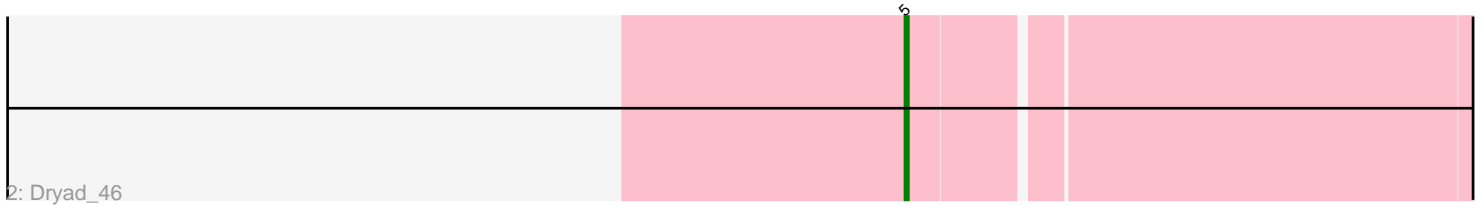
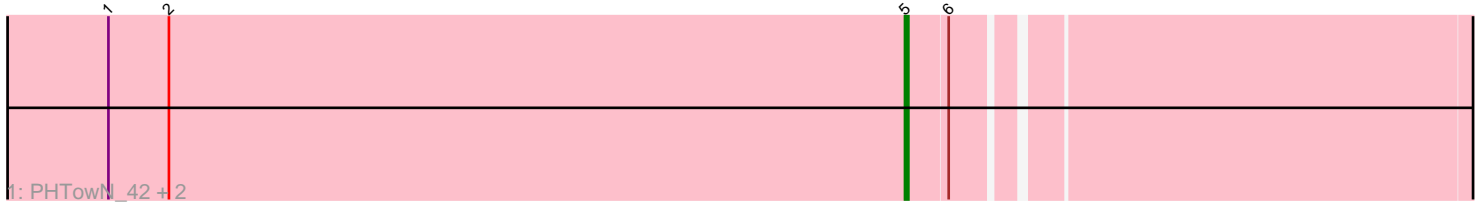


Pham 194538



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 194538 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194538 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : PHTowN_42, ShakeNBake_42, Lizz_42
- Track 2 : Dryad_46
- Track 3 : Rooney_42, Gibson_42
- Track 4 : Yara_39
- Track 5 : Wentworth_43
- Track 6 : Wilkos_43
- Track 7 : Finch_162

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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dryad_46, Gibson_42, Lizz_42, PHTowN_42, Rooney_42, ShakeNBake_42, Wentworth_43, Yara_39,

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

- Wilkos_43,

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

- Finch_162,

Summary by start number:

Start 5:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Dryad_46 (BN), Gibson_42 (BN), Lizz_42 (BN), PHTowN_42 (BN), Rooney_42 (BN), ShakeNBake_42 (BN), Wentworth_43 (BN), Yara_39 (BN),

Start 6:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Finch_162 (singleton), Wilkos_43 (BN),

Summary by clusters:

There are 2 clusters represented in this pham: BN, singleton,

Info for manual annotations of cluster BN:

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

Gene Information:

Gene: Dryad_46 Start: 32902, Stop: 32705, Start Num: 5

Candidate Starts for Dryad_46:

(Start: 5 @32902 has 8 MA's),

Gene: Finch_162 Start: 103030, Stop: 103203, Start Num: 6

Candidate Starts for Finch_162:

(Start: 6 @103030 has 1 MA's), (7, 103075), (8, 103099), (9, 103126), (11, 103150),

Gene: Gibson_42 Start: 32414, Stop: 32214, Start Num: 5

Candidate Starts for Gibson_42:

(Start: 5 @32414 has 8 MA's), (Start: 6 @32402 has 1 MA's),

Gene: Lizz_42 Start: 32228, Stop: 32028, Start Num: 5

Candidate Starts for Lizz_42:

(1, 32465), (2, 32447), (Start: 5 @32228 has 8 MA's), (Start: 6 @32216 has 1 MA's),

Gene: PHTowN_42 Start: 32226, Stop: 32026, Start Num: 5

Candidate Starts for PHTowN_42:

(1, 32463), (2, 32445), (Start: 5 @32226 has 8 MA's), (Start: 6 @32214 has 1 MA's),

Gene: Rooney_42 Start: 32411, Stop: 32211, Start Num: 5

Candidate Starts for Rooney_42:

(Start: 5 @32411 has 8 MA's), (Start: 6 @32399 has 1 MA's),

Gene: ShakeNBake_42 Start: 32244, Stop: 32044, Start Num: 5

Candidate Starts for ShakeNBake_42:

(1, 32481), (2, 32463), (Start: 5 @32244 has 8 MA's), (Start: 6 @32232 has 1 MA's),

Gene: Wentworth_43 Start: 32716, Stop: 32513, Start Num: 5

Candidate Starts for Wentworth_43:

(Start: 5 @32716 has 8 MA's), (Start: 6 @32704 has 1 MA's),

Gene: Wilkos_43 Start: 32525, Stop: 32334, Start Num: 6

Candidate Starts for Wilkos_43:

(Start: 5 @32537 has 8 MA's), (Start: 6 @32525 has 1 MA's),

Gene: Yara_39 Start: 31491, Stop: 31306, Start Num: 5

Candidate Starts for Yara_39:

(3, 31548), (4, 31494), (Start: 5 @31491 has 8 MA's), (Start: 6 @31479 has 1 MA's), (10, 31371),