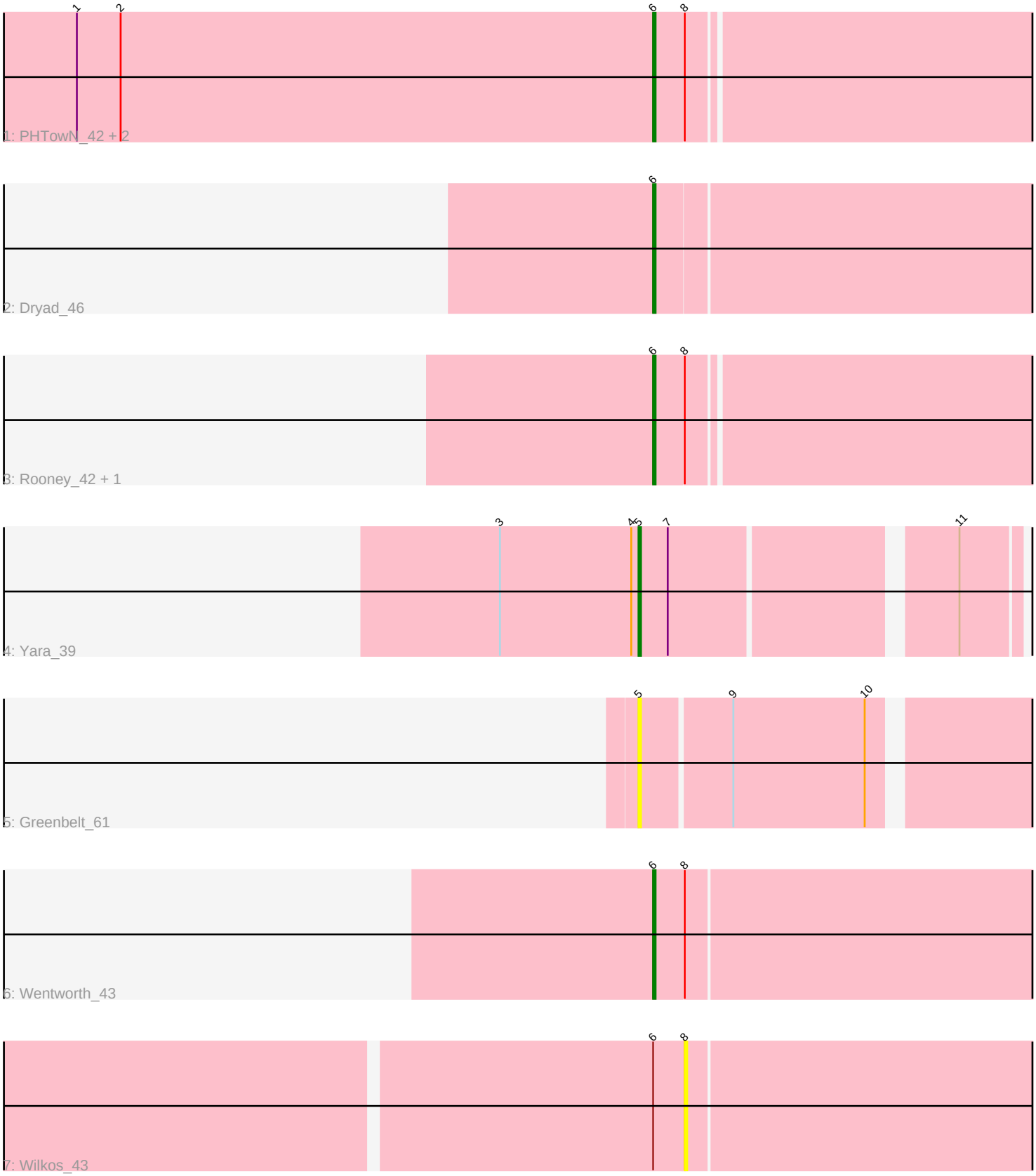
Pham 211562


1
2
6
8
1: PHTowN_42 + 2
6
2: Dryad_46
6
8
3: Rooney_42 + 1
3
4
5
7
11
4: Yara_39
5
9
10
5: Greenbelt_61
6
8
6: Wentworth_43
6
8
7: Wilkos_43

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 211562 Report

This analysis was run 02/22/25 on database version 588.

Pham number 211562 has 10 members, 2 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 : Greenbelt_61
• Track 6 : Wentworth_43
• Track 7 : Wilkos_43

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 8 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,

Genes that have the "Most Annotated" start but do not call it:
• Wilkos_43,

Genes that do not have the "Most Annotated" start:
• Greenbelt_61, Yara_39,

Summary by start number:

Start 5:
• Found in 2 of 10 (20.0%) 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: Greenbelt_61 (BN), Yara_39 (BN),

Start 6:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 7 of 8

• Called 87.5% 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),

Start 8:
• Found in 7 of 10 (70.0%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Wilkos_43 (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 1 time for cluster BN.
•Start number 6 was manually annotated 7 times for cluster BN.

Gene Information:

Gene: Dryad_46 Start: 32902, Stop: 32705, Start Num: 6
Candidate Starts for Dryad_46:
(Start: 6 @32902 has 7 MA's),

Gene: Gibson_42 Start: 32414, Stop: 32214, Start Num: 6
Candidate Starts for Gibson_42:
(Start: 6 @32414 has 7 MA's), (8, 32402),

Gene: Greenbelt_61 Start: 28625, Stop: 28440, Start Num: 5
Candidate Starts for Greenbelt_61:
(Start: 5 @28625 has 1 MA's), (9, 28589), (10, 28535),

Gene: Lizz_42 Start: 32228, Stop: 32028, Start Num: 6
Candidate Starts for Lizz_42:
(1, 32465), (2, 32447), (Start: 6 @32228 has 7 MA's), (8, 32216),

Gene: PHTowN_42 Start: 32226, Stop: 32026, Start Num: 6
Candidate Starts for PHTowN_42:
(1, 32463), (2, 32445), (Start: 6 @32226 has 7 MA's), (8, 32214),

Gene: Rooney_42 Start: 32411, Stop: 32211, Start Num: 6
Candidate Starts for Rooney_42:
(Start: 6 @32411 has 7 MA's), (8, 32399),

Gene: ShakeNBake_42 Start: 32244, Stop: 32044, Start Num: 6
Candidate Starts for ShakeNBake_42:
(1, 32481), (2, 32463), (Start: 6 @32244 has 7 MA's), (8, 32232),

Gene: Wentworth_43 Start: 32716, Stop: 32513, Start Num: 6
Candidate Starts for Wentworth_43:

(Start: 6 @32716 has 7 MA's), (8, 32704),

Gene: Wilkos_43 Start: 32525, Stop: 32334, Start Num: 8
Candidate Starts for Wilkos_43:
(Start: 6 @32537 has 7 MA's), (8, 32525),

Gene: Yara_39 Start: 31491, Stop: 31306, Start Num: 5
Candidate Starts for Yara_39:
(3, 31548), (4, 31494), (Start: 5 @31491 has 1 MA's), (7, 31479), (11, 31371),