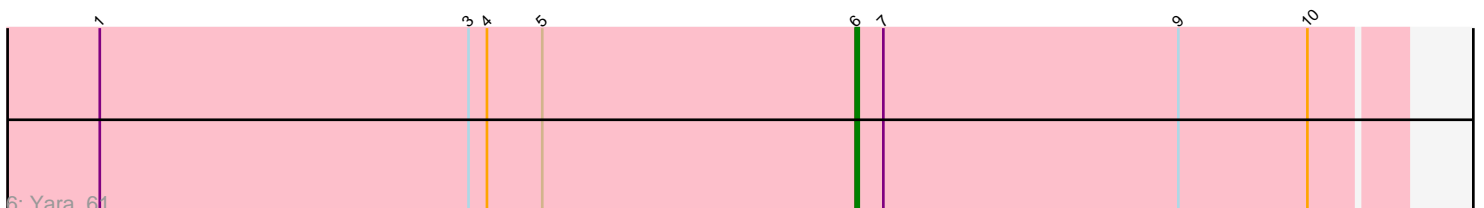
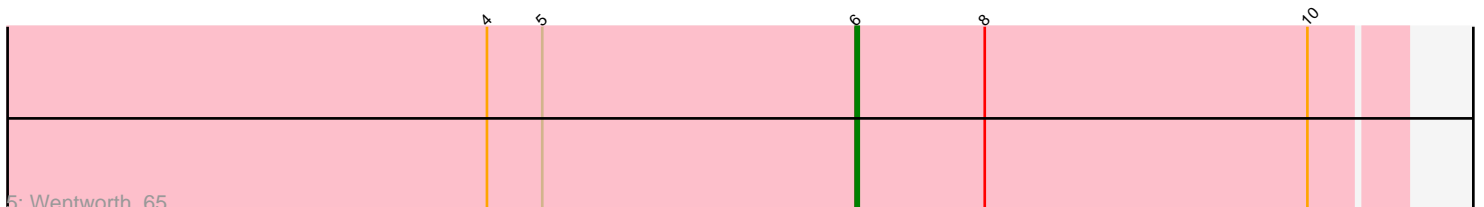
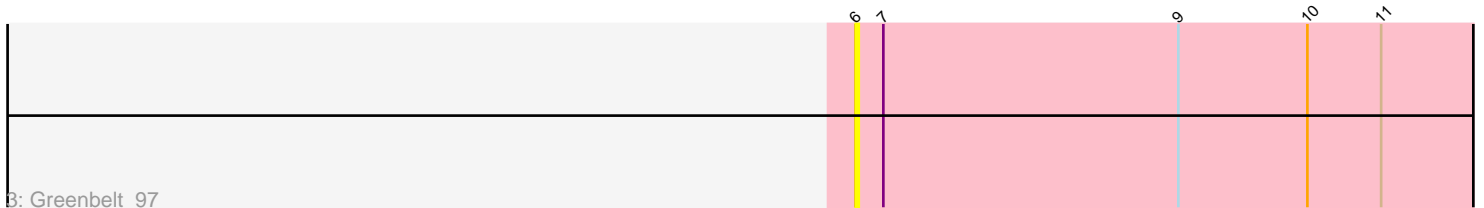
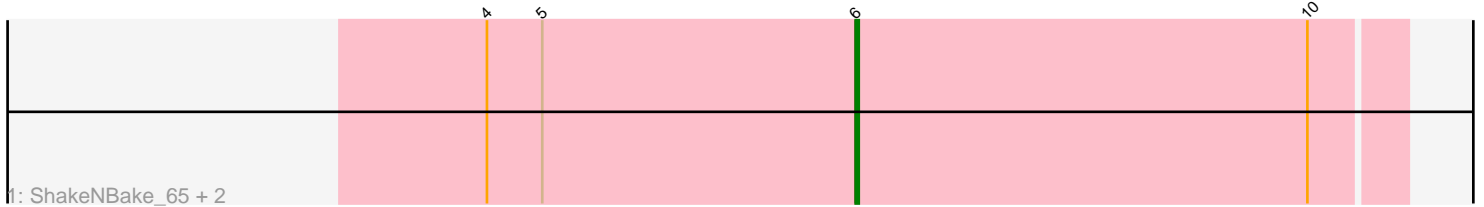


Pham 216795



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 216795 Report

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

Pham number 216795 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : ShakeNBake_65, Lizz_65, PHTowN_65
- Track 2 : Rooney_65, Gibson_65
- Track 3 : Greenbelt_97
- Track 4 : Dryad_69
- Track 5 : Wentworth_65
- Track 6 : Yara_61
- Track 7 : Wilkos_67

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

Genes that call this "Most Annotated" start:

- Dryad_69, Gibson_65, Greenbelt_97, Lizz_65, PHTowN_65, Rooney_65, ShakeNBake_65, Wentworth_65, Wilkos_67, Yara_61,

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

-

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

-

Summary by start number:

Start 6:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dryad_69 (BN), Gibson_65 (BN), Greenbelt_97 (BN), Lizz_65 (BN), PHTowN_65 (BN), Rooney_65 (BN), ShakeNBake_65 (BN), Wentworth_65 (BN), Wilkos_67 (BN), Yara_61 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:

•Start number 6 was manually annotated 8 times for cluster BN.

Gene Information:

Gene: Dryad_69 Start: 47074, Stop: 46898, Start Num: 6

Candidate Starts for Dryad_69:

(2, 47206), (4, 47194), (5, 47176), (Start: 6 @47074 has 8 MA's), (8, 47032), (10, 46927),

Gene: Gibson_65 Start: 46343, Stop: 46167, Start Num: 6

Candidate Starts for Gibson_65:

(4, 46463), (5, 46445), (Start: 6 @46343 has 8 MA's), (10, 46196),

Gene: Greenbelt_97 Start: 42458, Stop: 42255, Start Num: 6

Candidate Starts for Greenbelt_97:

(Start: 6 @42458 has 8 MA's), (7, 42449), (9, 42353), (10, 42311), (11, 42287),

Gene: Lizz_65 Start: 46166, Stop: 45990, Start Num: 6

Candidate Starts for Lizz_65:

(4, 46286), (5, 46268), (Start: 6 @46166 has 8 MA's), (10, 46019),

Gene: PHTowN_65 Start: 46164, Stop: 45988, Start Num: 6

Candidate Starts for PHTowN_65:

(4, 46284), (5, 46266), (Start: 6 @46164 has 8 MA's), (10, 46017),

Gene: Rooney_65 Start: 46319, Stop: 46143, Start Num: 6

Candidate Starts for Rooney_65:

(4, 46439), (5, 46421), (Start: 6 @46319 has 8 MA's), (10, 46172),

Gene: ShakeNBake_65 Start: 46191, Stop: 46015, Start Num: 6

Candidate Starts for ShakeNBake_65:

(4, 46311), (5, 46293), (Start: 6 @46191 has 8 MA's), (10, 46044),

Gene: Wentworth_65 Start: 46293, Stop: 46117, Start Num: 6

Candidate Starts for Wentworth_65:

(4, 46413), (5, 46395), (Start: 6 @46293 has 8 MA's), (8, 46251), (10, 46146),

Gene: Wilkos_67 Start: 46448, Stop: 46272, Start Num: 6

Candidate Starts for Wilkos_67:

(4, 46568), (5, 46550), (Start: 6 @46448 has 8 MA's), (8, 46406), (10, 46301),

Gene: Yara_61 Start: 45153, Stop: 44977, Start Num: 6

Candidate Starts for Yara_61:

(1, 45399), (3, 45279), (4, 45273), (5, 45255), (Start: 6 @45153 has 8 MA's), (7, 45144), (9, 45048), (10, 45006),