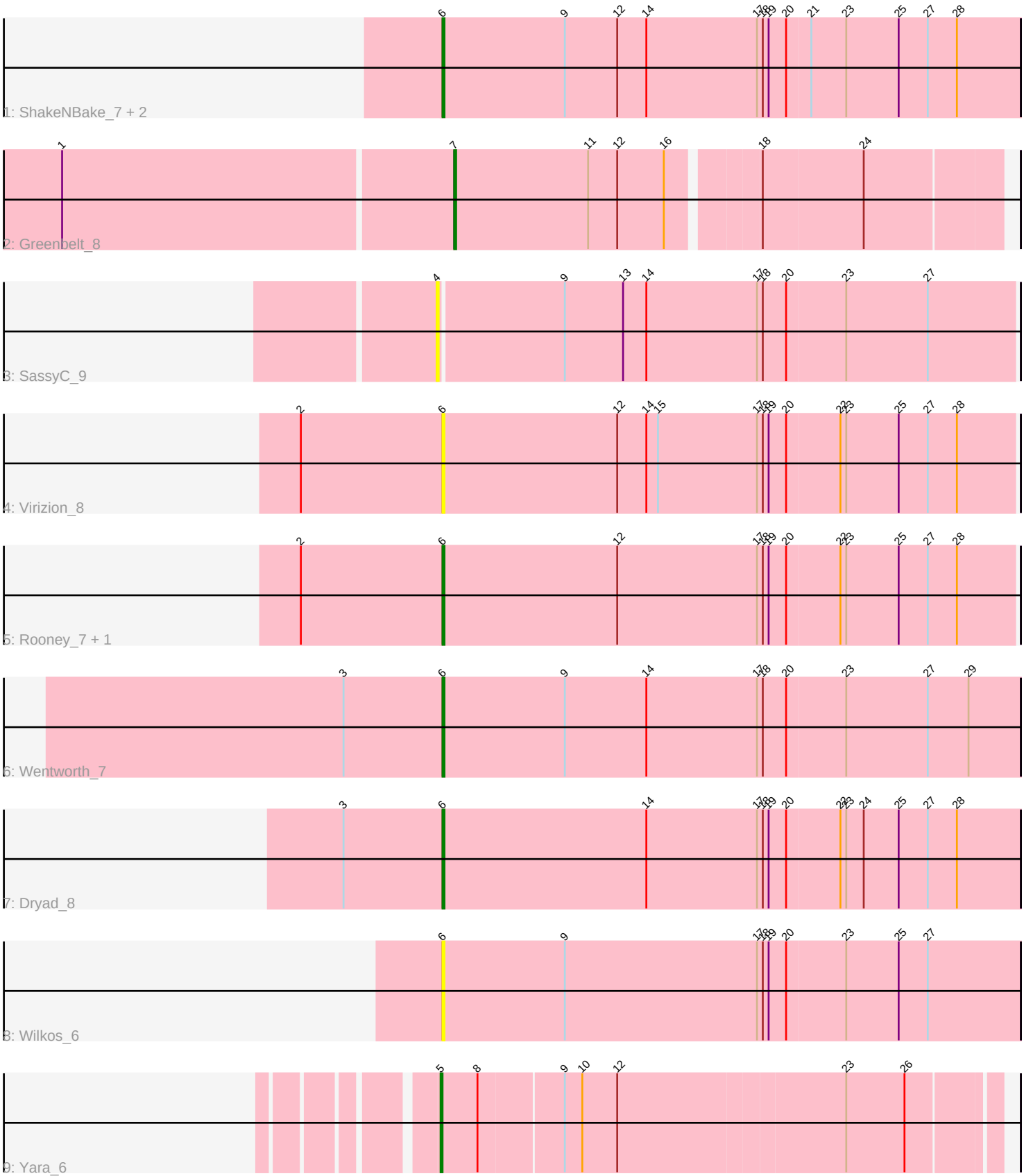
Pham 335479


1: ShakeNBake_7 + 2
2: Greenbelt_8
3: SassyC_9
4: Virizion_8
5: Rooney_7 + 1
6: Wentworth_7
7: Dryad_8
8: Wilkos_6
9: Yara_6

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 335479 Report

This analysis was run 11/14/26 on database version 672.

Pham number 335479 has 12 members, 3 are drafts.

Phages represented in each track:
• Track 1 : ShakeNBake_7, PHTowN_7, Lizz_7
• Track 2 : Greenbelt_8
• Track 3 : SassyC_9
• Track 4 : Virizion_8
• Track 5 : Rooney_7, Gibson_7
• Track 6 : Wentworth_7
• Track 7 : Dryad_8
• Track 8 : Wilkos_6
• Track 9 : Yara_6

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 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dryad_8, Gibson_7, Lizz_7, PHTowN_7, Rooney_7, ShakeNBake_7, Virizion_8, Wentworth_7, Wilkos_6,

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

Genes that do not have the "Most Annotated" start:
• Greenbelt_8, SassyC_9, Yara_6,

Summary by start number:

Start 4:
• Found in 1 of 12 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SassyC_9 (BN),

Start 5:

• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yara_6 (BN),

Start 6:
• Found in 9 of 12 (75.0%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dryad_8 (BN), Gibson_7 (BN), Lizz_7 (BN), PHTowN_7 (BN), Rooney_7 (BN), ShakeNBake_7 (BN), Virizion_8 (BN), Wentworth_7 (BN), Wilkos_6 (BN),

Start 7:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Greenbelt_8 (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.
•Start number 7 was manually annotated 1 time for cluster BN.

Gene Information:

Gene: Dryad_8 Start: 2604, Stop: 2900, Start Num: 6
Candidate Starts for Dryad_8:
(3, 2553), (Start: 6 @2604 has 7 MA's), (14, 2709), (17, 2766), (18, 2769), (19, 2772), (20, 2781), (22, 2808), (23, 2811), (24, 2820), (25, 2838), (27, 2853), (28, 2868),

Gene: Gibson_7 Start: 2532, Stop: 2825, Start Num: 6
Candidate Starts for Gibson_7:
(2, 2460), (Start: 6 @2532 has 7 MA's), (12, 2622), (17, 2694), (18, 2697), (19, 2700), (20, 2709), (22, 2736), (23, 2739), (25, 2766), (27, 2781), (28, 2796),

Gene: Greenbelt_8 Start: 2906, Stop: 3175, Start Num: 7
Candidate Starts for Greenbelt_8:
(1, 2708), (Start: 7 @2906 has 1 MA's), (11, 2975), (12, 2990), (16, 3014), (18, 3056), (24, 3107),

Gene: Lizz_7 Start: 2488, Stop: 2784, Start Num: 6
Candidate Starts for Lizz_7:
(Start: 6 @2488 has 7 MA's), (9, 2551), (12, 2578), (14, 2593), (17, 2650), (18, 2653), (19, 2656), (20, 2665), (21, 2677), (23, 2695), (25, 2722), (27, 2737), (28, 2752),

Gene: PHTowN_7 Start: 2488, Stop: 2784, Start Num: 6
Candidate Starts for PHTowN_7:

(Start: 6 @2488 has 7 MA's), (9, 2551), (12, 2578), (14, 2593), (17, 2650), (18, 2653), (19, 2656), (20, 2665), (21, 2677), (23, 2695), (25, 2722), (27, 2737), (28, 2752),

Gene: Rooney_7 Start: 2532, Stop: 2825, Start Num: 6
Candidate Starts for Rooney_7:
(2, 2460), (Start: 6 @2532 has 7 MA's), (12, 2622), (17, 2694), (18, 2697), (19, 2700), (20, 2709), (22, 2736), (23, 2739), (25, 2766), (27, 2781), (28, 2796),

Gene: SassyC_9 Start: 2429, Stop: 2722, Start Num: 4
Candidate Starts for SassyC_9:
(4, 2429), (9, 2492), (13, 2522), (14, 2534), (17, 2591), (18, 2594), (20, 2606), (23, 2636), (27, 2678),

Gene: ShakeNBake_7 Start: 2488, Stop: 2784, Start Num: 6
Candidate Starts for ShakeNBake_7:
(Start: 6 @2488 has 7 MA's), (9, 2551), (12, 2578), (14, 2593), (17, 2650), (18, 2653), (19, 2656), (20, 2665), (21, 2677), (23, 2695), (25, 2722), (27, 2737), (28, 2752),

Gene: Virizion_8 Start: 2532, Stop: 2825, Start Num: 6
Candidate Starts for Virizion_8:
(2, 2460), (Start: 6 @2532 has 7 MA's), (12, 2622), (14, 2637), (15, 2643), (17, 2694), (18, 2697), (19, 2700), (20, 2709), (22, 2736), (23, 2739), (25, 2766), (27, 2781), (28, 2796),

Gene: Wentworth_7 Start: 2277, Stop: 2573, Start Num: 6
Candidate Starts for Wentworth_7:
(3, 2226), (Start: 6 @2277 has 7 MA's), (9, 2340), (14, 2382), (17, 2439), (18, 2442), (20, 2454), (23, 2484), (27, 2526), (29, 2547),

Gene: Wilkos_6 Start: 2389, Stop: 2685, Start Num: 6
Candidate Starts for Wilkos_6:
(Start: 6 @2389 has 7 MA's), (9, 2452), (17, 2551), (18, 2554), (19, 2557), (20, 2566), (23, 2596), (25, 2623), (27, 2638),

Gene: Yara_6 Start: 2060, Stop: 2335, Start Num: 5
Candidate Starts for Yara_6:
(Start: 5 @2060 has 1 MA's), (8, 2078), (9, 2120), (10, 2129), (12, 2147), (23, 2261), (26, 2291),