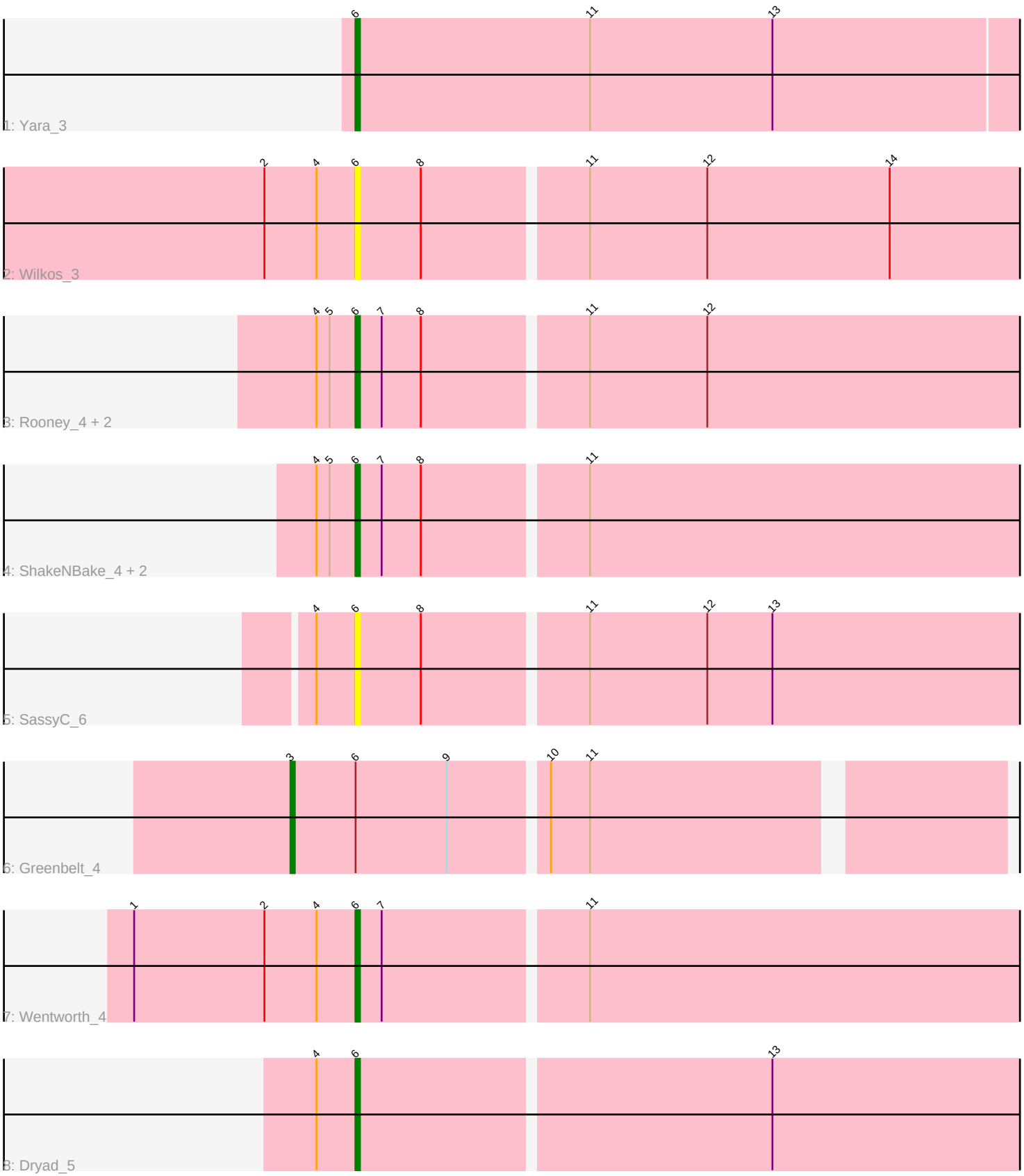
Pham 348202


6
11
13
1: Yara_3
2
4
6
8
11
12
14
2: Wilkos_3
4
5
6
7
8
11
12
3: Rooney_4 + 2
4
5
6
7
8
11
4: ShakeNBake_4 + 2
4
6
8
11
12
13
5: SassyC_6
3
6
9
10
11
6: Greenbelt_4
1
2
4
6
7
11
7: Wentworth_4
4
6
13
8: Dryad_5

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 348202 Report

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

Pham number 348202 has 12 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Yara_3
• Track 2 : Wilkos_3
• Track 3 : Rooney_4, Virizion_5, Gibson_4
• Track 4 : ShakeNBake_4, PHTowN_4, Lizz_4
• Track 5 : SassyC_6
• Track 6 : Greenbelt_4
• Track 7 : Wentworth_4
• Track 8 : Dryad_5

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 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dryad_5, Gibson_4, Lizz_4, PHTowN_4, Rooney_4, SassyC_6, ShakeNBake_4, Virizion_5, Wentworth_4, Wilkos_3, Yara_3,

Genes that have the "Most Annotated" start but do not call it:
• Greenbelt_4,

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

Summary by start number:

Start 3:
• 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_4 (BN),

Start 6:
• Found in 12 of 12 (100.0%) of genes in pham

• Manual Annotations of this start: 8 of 9
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Dryad_5 (BN), Gibson_4 (BN), Lizz_4 (BN), PHTowN_4 (BN), Rooney_4 (BN), SassyC_6 (BN), ShakeNBake_4 (BN), Virizion_5 (BN), Wentworth_4 (BN), Wilkos_3 (BN), Yara_3 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:
•Start number 3 was manually annotated 1 time for cluster BN.
•Start number 6 was manually annotated 8 times for cluster BN.

Gene Information:

Gene: Dryad_5 Start: 1621, Stop: 1812, Start Num: 6
Candidate Starts for Dryad_5:
(4, 1612), (Start: 6 @1621 has 8 MA's), (13, 1714),

Gene: Gibson_4 Start: 1493, Stop: 1657, Start Num: 6
Candidate Starts for Gibson_4:
(4, 1484), (5, 1487), (Start: 6 @1493 has 8 MA's), (7, 1499), (8, 1508), (11, 1544), (12, 1571),

Gene: Greenbelt_4 Start: 1823, Stop: 1978, Start Num: 3
Candidate Starts for Greenbelt_4:
(Start: 3 @1823 has 1 MA's), (Start: 6 @1838 has 8 MA's), (9, 1859), (10, 1880), (11, 1889),

Gene: Lizz_4 Start: 1503, Stop: 1667, Start Num: 6
Candidate Starts for Lizz_4:
(4, 1494), (5, 1497), (Start: 6 @1503 has 8 MA's), (7, 1509), (8, 1518), (11, 1554),

Gene: PHTowN_4 Start: 1503, Stop: 1667, Start Num: 6
Candidate Starts for PHTowN_4:
(4, 1494), (5, 1497), (Start: 6 @1503 has 8 MA's), (7, 1509), (8, 1518), (11, 1554),

Gene: Rooney_4 Start: 1493, Stop: 1657, Start Num: 6
Candidate Starts for Rooney_4:
(4, 1484), (5, 1487), (Start: 6 @1493 has 8 MA's), (7, 1499), (8, 1508), (11, 1544), (12, 1571),

Gene: SassyC_6 Start: 1594, Stop: 1758, Start Num: 6
Candidate Starts for SassyC_6:
(4, 1585), (Start: 6 @1594 has 8 MA's), (8, 1609), (11, 1645), (12, 1672), (13, 1687),

Gene: ShakeNBake_4 Start: 1503, Stop: 1667, Start Num: 6
Candidate Starts for ShakeNBake_4:
(4, 1494), (5, 1497), (Start: 6 @1503 has 8 MA's), (7, 1509), (8, 1518), (11, 1554),

Gene: Virizion_5 Start: 1493, Stop: 1657, Start Num: 6
Candidate Starts for Virizion_5:
(4, 1484), (5, 1487), (Start: 6 @1493 has 8 MA's), (7, 1499), (8, 1508), (11, 1544), (12, 1571),

Gene: Wentworth_4 Start: 1225, Stop: 1389, Start Num: 6
Candidate Starts for Wentworth_4:
(1, 1174), (2, 1204), (4, 1216), (Start: 6 @1225 has 8 MA's), (7, 1231), (11, 1276),

Gene: Wilkos_3 Start: 1485, Stop: 1649, Start Num: 6
Candidate Starts for Wilkos_3:
(2, 1464), (4, 1476), (Start: 6 @1485 has 8 MA's), (8, 1500), (11, 1536), (12, 1563), (14, 1605),

Gene: Yara_3 Start: 1042, Stop: 1212, Start Num: 6
Candidate Starts for Yara_3:
(Start: 6 @1042 has 8 MA's), (11, 1096), (13, 1138),