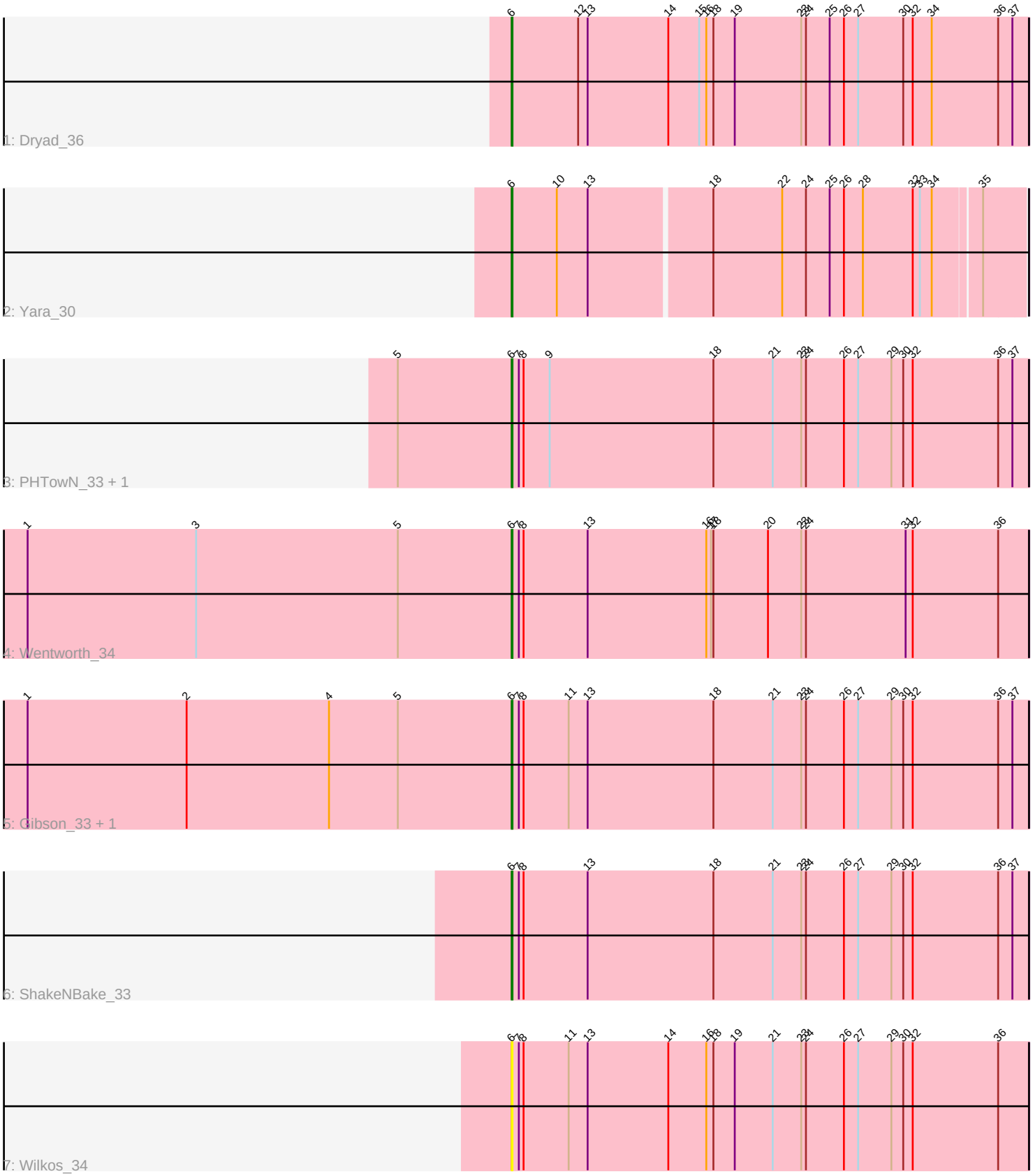
Pham 6615


1: Dryad_36
2: Yara_30
3: PHTowN_33 + 1
4: Wentworth_34
5: Gibson_33 + 1
6: ShakeNBake_33
7: Wilkos_34

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 6615 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6615 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Dryad_36
• Track 2 : Yara_30
• Track 3 : PHTowN_33, Lizz_33
• Track 4 : Wentworth_34
• Track 5 : Gibson_33, Rooney_33
• Track 6 : ShakeNBake_33
• Track 7 : Wilkos_34

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_36, Gibson_33, Lizz_33, PHTowN_33, Rooney_33, ShakeNBake_33, Wentworth_34, Wilkos_34, Yara_30,

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 9 of 9 (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_36 (BN), Gibson_33 (BN), Lizz_33 (BN), PHTowN_33 (BN), Rooney_33 (BN), ShakeNBake_33 (BN), Wentworth_34 (BN), Wilkos_34 (BN), Yara_30 (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_36 Start: 27149, Stop: 27802, Start Num: 6
Candidate Starts for Dryad_36:
(Start: 6 @27149 has 8 MA's), (12, 27233), (13, 27245), (14, 27347), (15, 27386), (16, 27395), (18, 27404), (19, 27431), (23, 27515), (24, 27521), (25, 27551), (26, 27569), (27, 27587), (30, 27644), (32, 27656), (34, 27680), (36, 27764), (37, 27782),

Gene: Gibson_33 Start: 26896, Stop: 27549, Start Num: 6
Candidate Starts for Gibson_33:
(1, 26284), (2, 26485), (4, 26665), (5, 26752), (Start: 6 @26896 has 8 MA's), (7, 26905), (8, 26911), (11, 26968), (13, 26992), (18, 27151), (21, 27226), (23, 27262), (24, 27268), (26, 27316), (27, 27334), (29, 27376), (30, 27391), (32, 27403), (36, 27511), (37, 27529),

Gene: Lizz_33 Start: 26705, Stop: 27358, Start Num: 6
Candidate Starts for Lizz_33:
(5, 26561), (Start: 6 @26705 has 8 MA's), (7, 26714), (8, 26720), (9, 26753), (18, 26960), (21, 27035), (23, 27071), (24, 27077), (26, 27125), (27, 27143), (29, 27185), (30, 27200), (32, 27212), (36, 27320), (37, 27338),

Gene: PHTowN_33 Start: 26703, Stop: 27356, Start Num: 6
Candidate Starts for PHTowN_33:
(5, 26559), (Start: 6 @26703 has 8 MA's), (7, 26712), (8, 26718), (9, 26751), (18, 26958), (21, 27033), (23, 27069), (24, 27075), (26, 27123), (27, 27141), (29, 27183), (30, 27198), (32, 27210), (36, 27318), (37, 27336),

Gene: Rooney_33 Start: 26893, Stop: 27546, Start Num: 6
Candidate Starts for Rooney_33:
(1, 26281), (2, 26482), (4, 26662), (5, 26749), (Start: 6 @26893 has 8 MA's), (7, 26902), (8, 26908), (11, 26965), (13, 26989), (18, 27148), (21, 27223), (23, 27259), (24, 27265), (26, 27313), (27, 27331), (29, 27373), (30, 27388), (32, 27400), (36, 27508), (37, 27526),

Gene: ShakeNBake_33 Start: 26721, Stop: 27374, Start Num: 6
Candidate Starts for ShakeNBake_33:
(Start: 6 @26721 has 8 MA's), (7, 26730), (8, 26736), (13, 26817), (18, 26976), (21, 27051), (23, 27087), (24, 27093), (26, 27141), (27, 27159), (29, 27201), (30, 27216), (32, 27228), (36, 27336), (37, 27354),

Gene: Wentworth_34 Start: 27204, Stop: 27857, Start Num: 6
Candidate Starts for Wentworth_34:
(1, 26592), (3, 26805), (5, 27060), (Start: 6 @27204 has 8 MA's), (7, 27213), (8, 27219), (13, 27300), (16, 27450), (17, 27456), (18, 27459), (20, 27528), (23, 27570), (24, 27576), (31, 27702), (32, 27711), (36, 27819),

Gene: Wilkos_34 Start: 27006, Stop: 27659, Start Num: 6

Candidate Starts for Wilkos_34:
(Start: 6 @27006 has 8 MA's), (7, 27015), (8, 27021), (11, 27078), (13, 27102), (14, 27204), (16, 27252), (18, 27261), (19, 27288), (21, 27336), (23, 27372), (24, 27378), (26, 27426), (27, 27444), (29, 27486), (30, 27501), (32, 27513), (36, 27621),

Gene: Yara_30 Start: 25924, Stop: 26553, Start Num: 6
Candidate Starts for Yara_30:
(Start: 6 @25924 has 8 MA's), (10, 25981), (13, 26020), (18, 26170), (22, 26257), (24, 26287), (25, 26317), (26, 26335), (28, 26359), (32, 26422), (33, 26431), (34, 26446), (35, 26503),