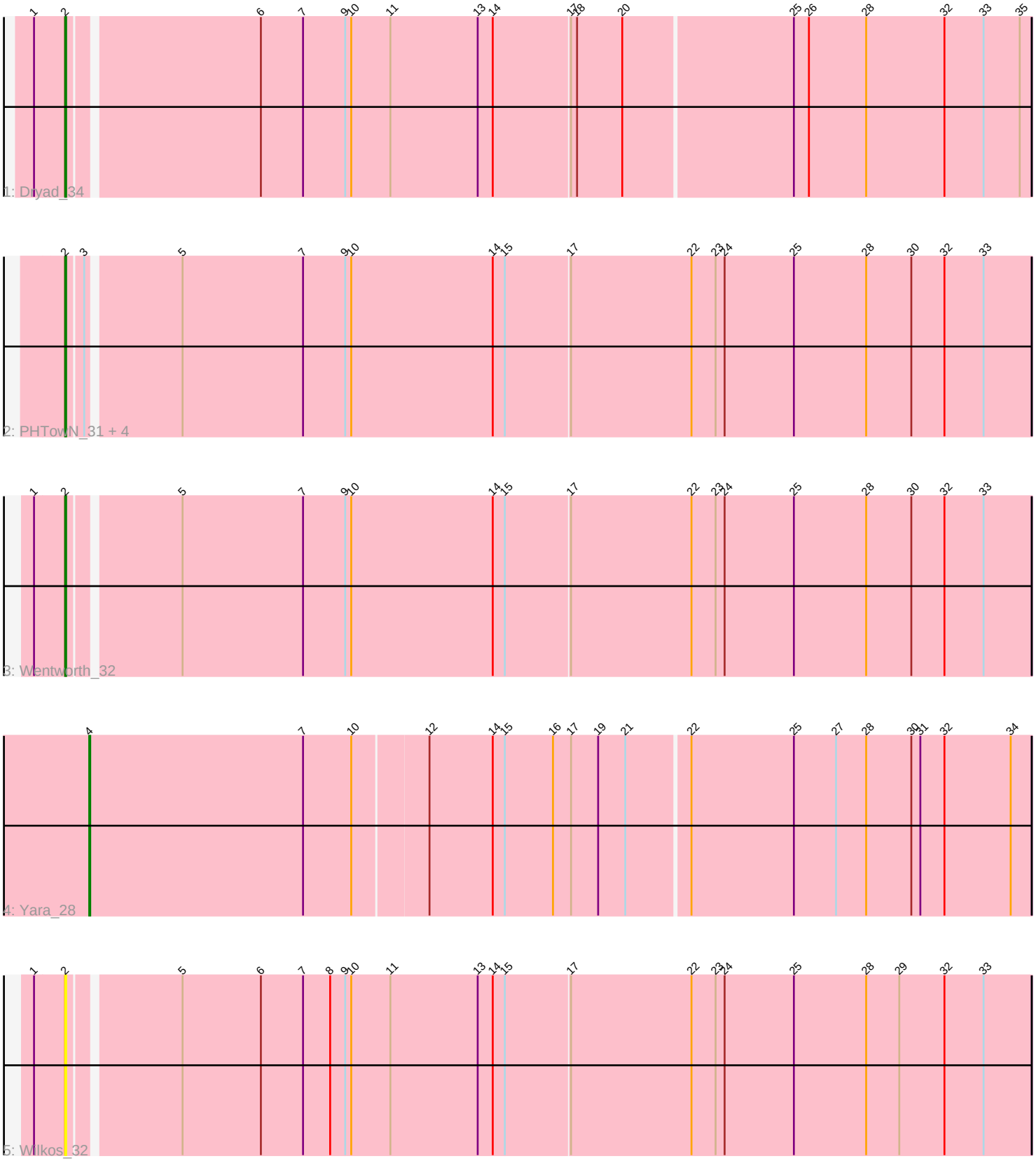
Pham 6655



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 6655 Report

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

Pham number 6655 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Dryad_34
• Track 2 : PHTowN_31, Lizz_31, ShakeNBake_31, Rooney_31, Gibson_31
• Track 3 : Wentworth_32
• Track 4 : Yara_28
• Track 5 : Wilkos_32

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dryad_34, Gibson_31, Lizz_31, PHTowN_31, Rooney_31, ShakeNBake_31, Wentworth_32, Wilkos_32,

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

Genes that do not have the "Most Annotated" start:
• Yara_28,

Summary by start number:

Start 2:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dryad_34 (BN), Gibson_31 (BN), Lizz_31 (BN), PHTowN_31 (BN), Rooney_31 (BN), ShakeNBake_31 (BN), Wentworth_32 (BN), Wilkos_32 (BN),

Start 4:
• Found in 1 of 9 (11.1%) 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: Yara_28 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:
•Start number 2 was manually annotated 7 times for cluster BN.
•Start number 4 was manually annotated 1 time for cluster BN.

Gene Information:

Gene: Dryad_34 Start: 25564, Stop: 26502, Start Num: 2
Candidate Starts for Dryad_34:
(1, 25534), (Start: 2 @25564 has 7 MA's), (6, 25744), (7, 25786), (9, 25828), (10, 25834), (11, 25873), (13, 25960), (14, 25975), (17, 26050), (18, 26056), (20, 26101), (25, 26266), (26, 26281), (28, 26338), (32, 26416), (33, 26455), (35, 26491),

Gene: Gibson_31 Start: 25305, Stop: 26249, Start Num: 2
Candidate Starts for Gibson_31:
(Start: 2 @25305 has 7 MA's), (3, 25320), (5, 25407), (7, 25527), (9, 25569), (10, 25575), (14, 25716), (15, 25728), (17, 25791), (22, 25911), (23, 25935), (24, 25944), (25, 26013), (28, 26085), (30, 26130), (32, 26163), (33, 26202),

Gene: Lizz_31 Start: 25114, Stop: 26058, Start Num: 2
Candidate Starts for Lizz_31:
(Start: 2 @25114 has 7 MA's), (3, 25129), (5, 25216), (7, 25336), (9, 25378), (10, 25384), (14, 25525), (15, 25537), (17, 25600), (22, 25720), (23, 25744), (24, 25753), (25, 25822), (28, 25894), (30, 25939), (32, 25972), (33, 26011),

Gene: PHTowN_31 Start: 25112, Stop: 26056, Start Num: 2
Candidate Starts for PHTowN_31:
(Start: 2 @25112 has 7 MA's), (3, 25127), (5, 25214), (7, 25334), (9, 25376), (10, 25382), (14, 25523), (15, 25535), (17, 25598), (22, 25718), (23, 25742), (24, 25751), (25, 25820), (28, 25892), (30, 25937), (32, 25970), (33, 26009),

Gene: Rooney_31 Start: 25302, Stop: 26246, Start Num: 2
Candidate Starts for Rooney_31:
(Start: 2 @25302 has 7 MA's), (3, 25317), (5, 25404), (7, 25524), (9, 25566), (10, 25572), (14, 25713), (15, 25725), (17, 25788), (22, 25908), (23, 25932), (24, 25941), (25, 26010), (28, 26082), (30, 26127), (32, 26160), (33, 26199),

Gene: ShakeNBake_31 Start: 25130, Stop: 26074, Start Num: 2
Candidate Starts for ShakeNBake_31:
(Start: 2 @25130 has 7 MA's), (3, 25145), (5, 25232), (7, 25352), (9, 25394), (10, 25400), (14, 25541), (15, 25553), (17, 25616), (22, 25736), (23, 25760), (24, 25769), (25, 25838), (28, 25910), (30, 25955), (32, 25988), (33, 26027),

Gene: Wentworth_32 Start: 25613, Stop: 26557, Start Num: 2
Candidate Starts for Wentworth_32:

(1, 25583), (Start: 2 @25613 has 7 MA's), (5, 25715), (7, 25835), (9, 25877), (10, 25883), (14, 26024), (15, 26036), (17, 26099), (22, 26219), (23, 26243), (24, 26252), (25, 26321), (28, 26393), (30, 26438), (32, 26471), (33, 26510),

Gene: Wilkos_32 Start: 25415, Stop: 26359, Start Num: 2
Candidate Starts for Wilkos_32:
(1, 25385), (Start: 2 @25415 has 7 MA's), (5, 25517), (6, 25595), (7, 25637), (8, 25664), (9, 25679), (10, 25685), (11, 25724), (13, 25811), (14, 25826), (15, 25838), (17, 25901), (22, 26021), (23, 26045), (24, 26054), (25, 26123), (28, 26195), (29, 26228), (32, 26273), (33, 26312),

Gene: Yara_28 Start: 24349, Stop: 25275, Start Num: 4
Candidate Starts for Yara_28:
(Start: 4 @24349 has 1 MA's), (7, 24562), (10, 24610), (12, 24682), (14, 24745), (15, 24757), (16, 24805), (17, 24823), (19, 24850), (21, 24877), (22, 24937), (25, 25039), (27, 25081), (28, 25111), (30, 25156), (31, 25165), (32, 25189), (34, 25255),