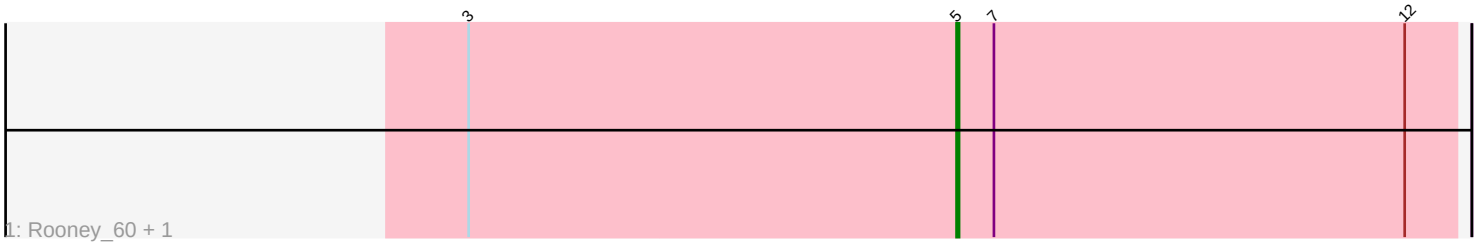
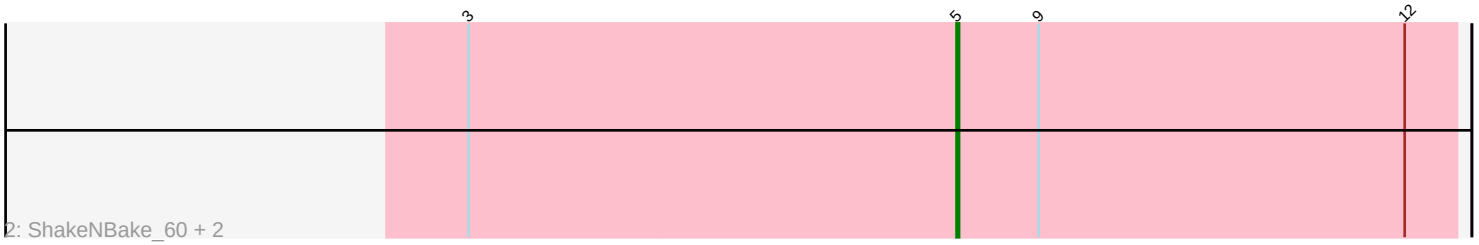
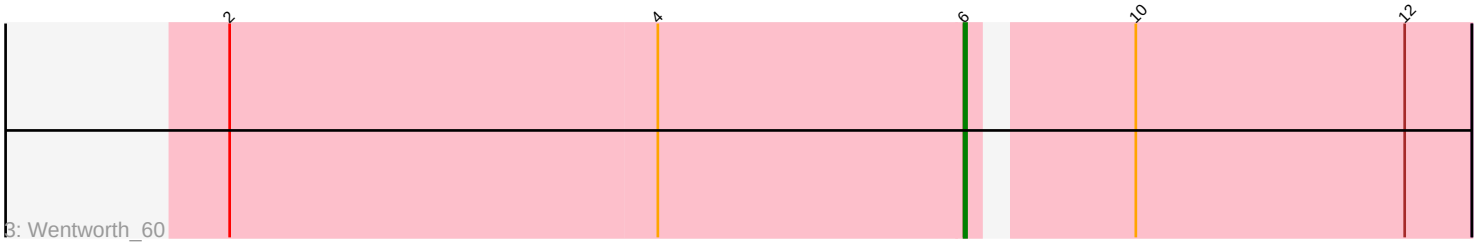
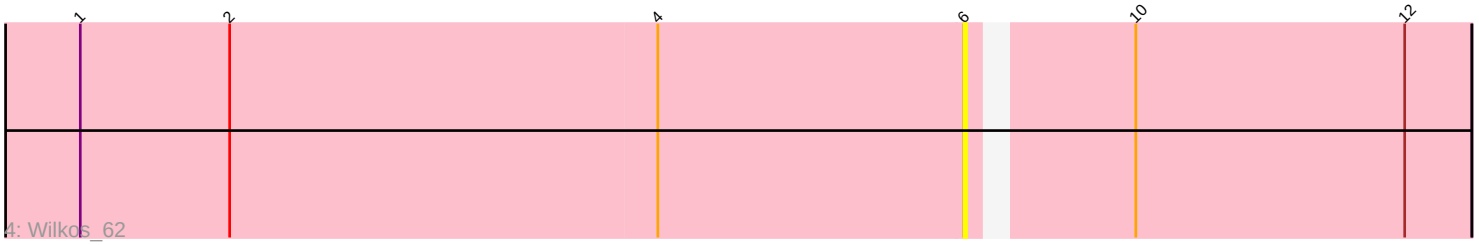
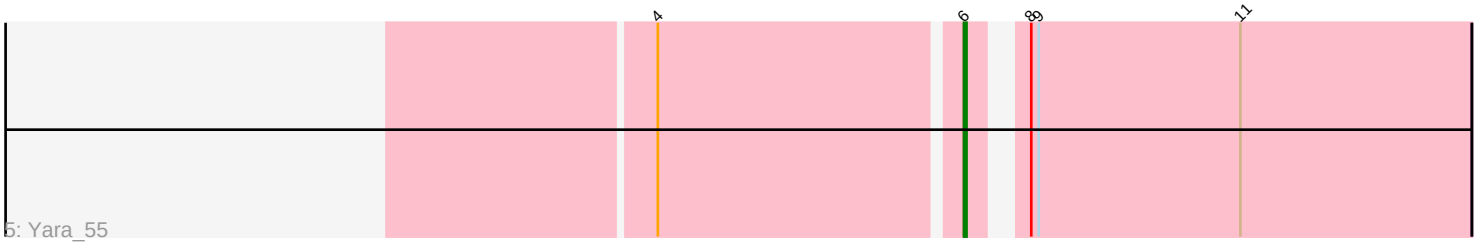
Pham 6185

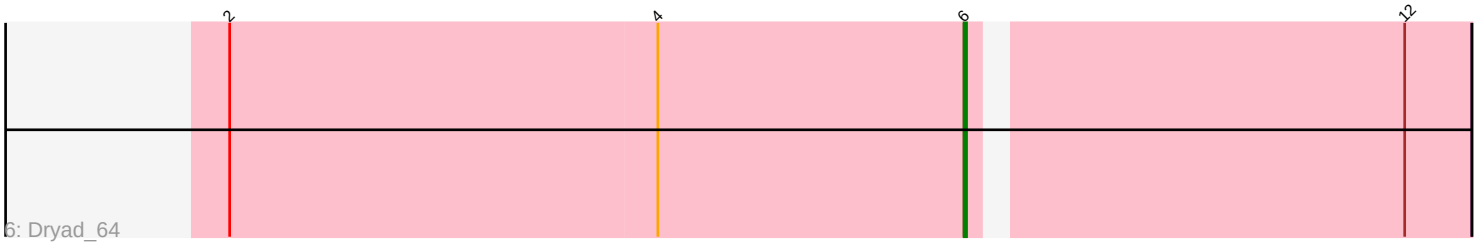

3
5
7
12
1: Rooney_60 + 1


3
5
9
12
2: ShakeNBake_60 + 2


2
4
6
10
12
3: Wentworth_60


1
2
4
6
10
12
4: Wilkos_62


4
6
8
9
11
5: Yara_55


2
4
6
12
6: Dryad_64

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 6185 Report

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

Pham number 6185 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Rooney_60, Gibson_60
• Track 2 : ShakeNBake_60, Lizz_60, PHTowN_60
• Track 3 : Wentworth_60
• Track 4 : Wilkos_62
• Track 5 : Yara_55
• Track 6 : Dryad_64

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gibson_60, Lizz_60, PHTowN_60, Rooney_60, ShakeNBake_60,

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

Genes that do not have the "Most Annotated" start:
• Dryad_64, Wentworth_60, Wilkos_62, Yara_55,

Summary by start number:

Start 5:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gibson_60 (BN), Lizz_60 (BN), PHTowN_60 (BN), Rooney_60 (BN), ShakeNBake_60 (BN),

Start 6:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Dryad_64 (BN), Wentworth_60 (BN), Wilkos_62 (BN), Yara_55 (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 5 times for cluster BN.
•Start number 6 was manually annotated 3 times for cluster BN.

Gene Information:

Gene: Dryad_64 Start: 43929, Stop: 43738, Start Num: 6
Candidate Starts for Dryad_64:
(2, 44223), (4, 44052), (Start: 6 @43929 has 3 MA's), (12, 43764),

Gene: Gibson_60 Start: 43172, Stop: 42972, Start Num: 5
Candidate Starts for Gibson_60:
(3, 43367), (Start: 5 @43172 has 5 MA's), (7, 43157), (12, 42992),

Gene: Lizz_60 Start: 43012, Stop: 42812, Start Num: 5
Candidate Starts for Lizz_60:
(3, 43207), (Start: 5 @43012 has 5 MA's), (9, 42979), (12, 42832),

Gene: PHTowN_60 Start: 43010, Stop: 42810, Start Num: 5
Candidate Starts for PHTowN_60:
(3, 43205), (Start: 5 @43010 has 5 MA's), (9, 42977), (12, 42830),

Gene: Rooney_60 Start: 43169, Stop: 42969, Start Num: 5
Candidate Starts for Rooney_60:
(3, 43364), (Start: 5 @43169 has 5 MA's), (7, 43154), (12, 42989),

Gene: ShakeNBake_60 Start: 43028, Stop: 42828, Start Num: 5
Candidate Starts for ShakeNBake_60:
(3, 43223), (Start: 5 @43028 has 5 MA's), (9, 42995), (12, 42848),

Gene: Wentworth_60 Start: 43182, Stop: 42991, Start Num: 6
Candidate Starts for Wentworth_60:
(2, 43473), (4, 43302), (Start: 6 @43182 has 3 MA's), (10, 43125), (12, 43017),

Gene: Wilkos_62 Start: 43326, Stop: 43135, Start Num: 6
Candidate Starts for Wilkos_62:
(1, 43677), (2, 43617), (4, 43446), (Start: 6 @43326 has 3 MA's), (10, 43269), (12, 43161),

Gene: Yara_55 Start: 41653, Stop: 41462, Start Num: 6
Candidate Starts for Yara_55:
(4, 41770), (Start: 6 @41653 has 3 MA's), (8, 41638), (9, 41635), (11, 41554),