Pham 6758

1: Wolfstan_26

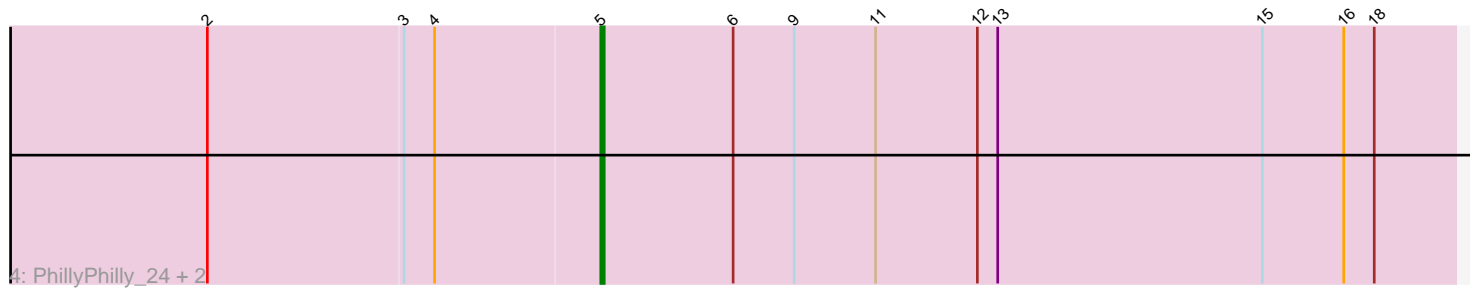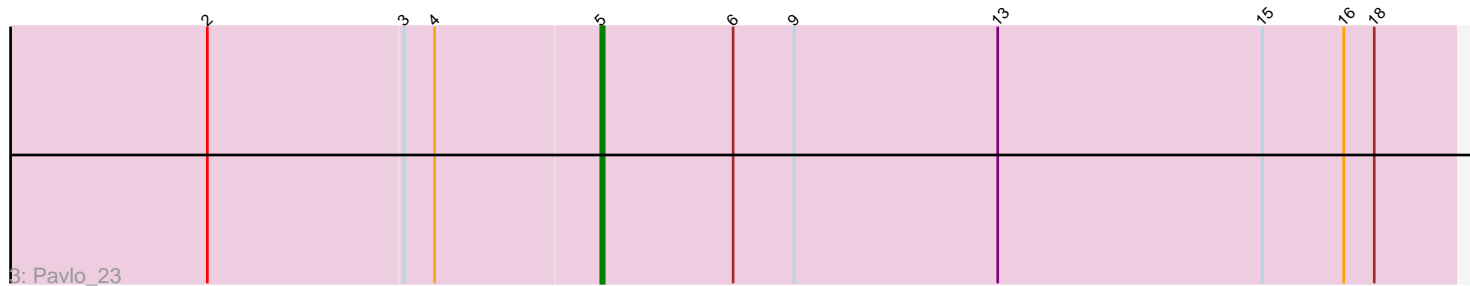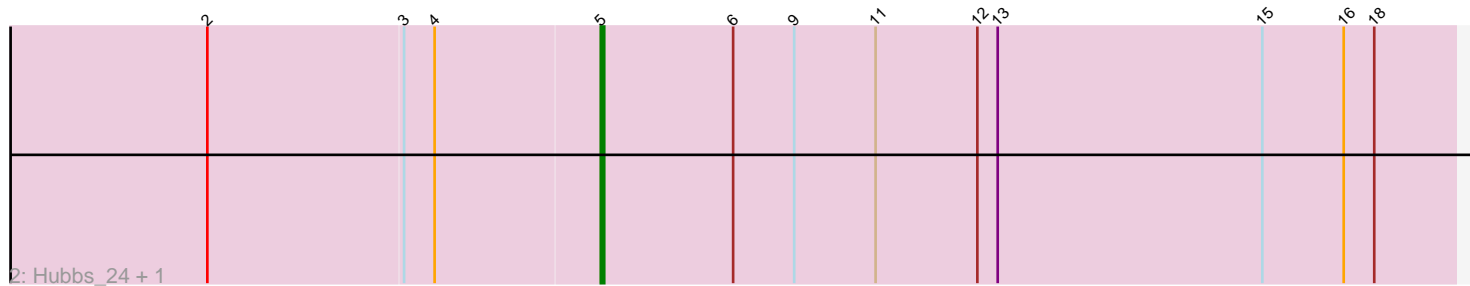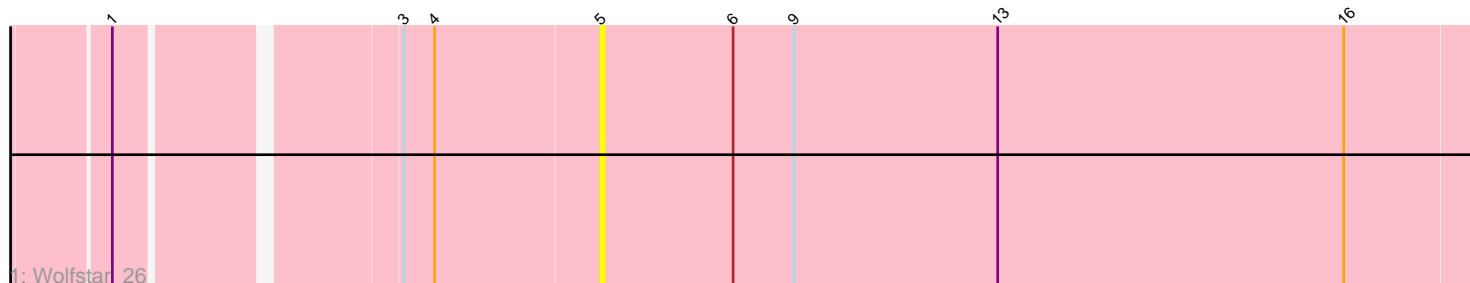2: Hubbs_24 + 1

3: Pavlo_23

4: PhillyPhilly_24 + 2

5: Platte_23 + 1

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 6758 Report

This analysis was run 03/30/24 on database version 556.

Pham number 6758 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_26
• Track 2 : Hubbs_24, DejaVu_25
• Track 3 : Pavlo_23
• Track 4 : PhillyPhilly_24, Lupine_23, Roman_24
• Track 5 : Platte_23, Pioneer3_22

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DejaVu_25, Hubbs_24, Lupine_23, Pavlo_23, PhillyPhilly_24, Pioneer3_22, Platte_23, Roman_24, Wolfstar_26,

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 5:
• 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: DejaVu_25 (ED1), Hubbs_24 (ED1), Lupine_23 (ED1), Pavlo_23 (ED1), PhillyPhilly_24 (ED1), Pioneer3_22 (ED1), Platte_23 (ED1), Roman_24 (ED1), Wolfstar_26 (ED),

Summary by clusters:

There are 2 clusters represented in this pham: ED, ED1,

Info for manual annotations of cluster ED1:
•Start number 5 was manually annotated 8 times for cluster ED1.

Gene Information:

Gene: DejaVu_25 Start: 7592, Stop: 7843, Start Num: 5
Candidate Starts for DejaVu_25:
(2, 7478), (3, 7535), (4, 7544), (Start: 5 @7592 has 8 MA's), (6, 7631), (9, 7649), (11, 7673), (12, 7703), (13, 7709), (15, 7787), (16, 7811), (18, 7820),

Gene: Hubbs_24 Start: 7804, Stop: 8055, Start Num: 5
Candidate Starts for Hubbs_24:
(2, 7690), (3, 7747), (4, 7756), (Start: 5 @7804 has 8 MA's), (6, 7843), (9, 7861), (11, 7885), (12, 7915), (13, 7921), (15, 7999), (16, 8023), (18, 8032),

Gene: Lupine_23 Start: 7482, Stop: 7733, Start Num: 5
Candidate Starts for Lupine_23:
(2, 7368), (3, 7425), (4, 7434), (Start: 5 @7482 has 8 MA's), (6, 7521), (9, 7539), (11, 7563), (12, 7593), (13, 7599), (15, 7677), (16, 7701), (18, 7710),

Gene: Pavlo_23 Start: 7757, Stop: 8008, Start Num: 5
Candidate Starts for Pavlo_23:
(2, 7643), (3, 7700), (4, 7709), (Start: 5 @7757 has 8 MA's), (6, 7796), (9, 7814), (13, 7874), (15, 7952), (16, 7976), (18, 7985),

Gene: PhillyPhilly_24 Start: 7662, Stop: 7913, Start Num: 5
Candidate Starts for PhillyPhilly_24:
(2, 7548), (3, 7605), (4, 7614), (Start: 5 @7662 has 8 MA's), (6, 7701), (9, 7719), (11, 7743), (12, 7773), (13, 7779), (15, 7857), (16, 7881), (18, 7890),

Gene: Pioneer3_22 Start: 7367, Stop: 7612, Start Num: 5
Candidate Starts for Pioneer3_22:
(Start: 5 @7367 has 8 MA's), (6, 7400), (7, 7406), (8, 7412), (10, 7433), (14, 7505), (16, 7580), (17, 7583),

Gene: Platte_23 Start: 7500, Stop: 7745, Start Num: 5
Candidate Starts for Platte_23:
(Start: 5 @7500 has 8 MA's), (6, 7533), (7, 7539), (8, 7545), (10, 7566), (14, 7638), (16, 7713), (17, 7716),

Gene: Roman_24 Start: 7660, Stop: 7911, Start Num: 5
Candidate Starts for Roman_24:
(2, 7546), (3, 7603), (4, 7612), (Start: 5 @7660 has 8 MA's), (6, 7699), (9, 7717), (11, 7741), (12, 7771), (13, 7777), (15, 7855), (16, 7879), (18, 7888),

Gene: Wolfstar_26 Start: 8494, Stop: 8751, Start Num: 5
Candidate Starts for Wolfstar_26:
(1, 8362), (3, 8437), (4, 8446), (Start: 5 @8494 has 8 MA's), (6, 8533), (9, 8551), (13, 8611), (16, 8713),