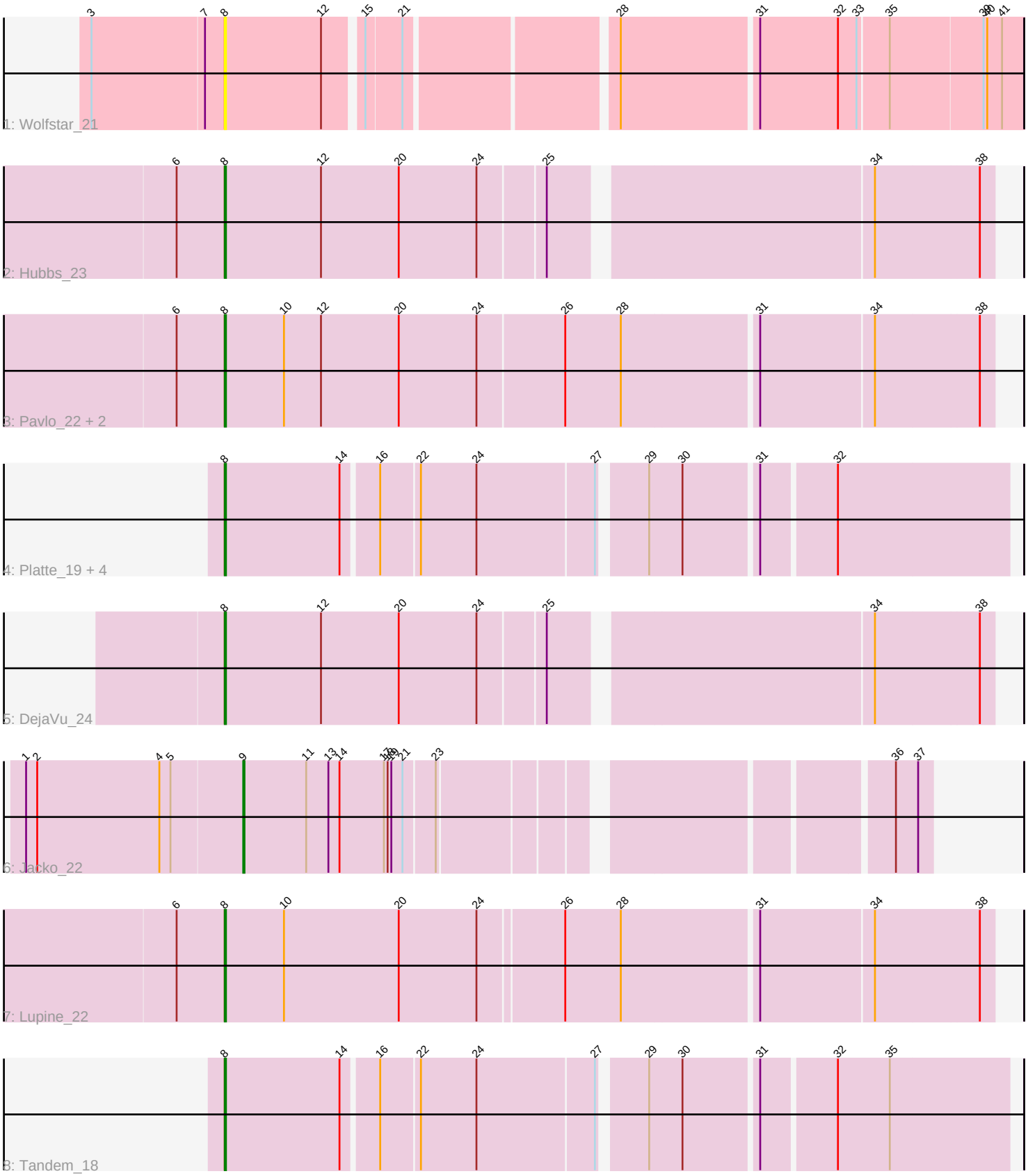
Pham 4824


3 7 8 12 15 21 28 31 32 33 35 39 40 41
1: Wolfstar_21
6 8 12 20 24 25 34 38
2: Hubbs_23
6 8 10 12 20 24 26 28 31 34 38
3: Pavlo_22 + 2
8 14 16 22 24 27 29 30 31 32
4: Platte_19 + 4
8 12 20 24 25 34 38
5: DejaVu_24
1 2 4 5 9 11 13 14 17 18 19 21 23 36 37
6: Jacko_22
6 8 10 20 24 26 28 31 34 38
7: Lupine_22
8 14 16 22 24 27 29 30 31 32 35
8: Tandem_18

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 4824 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 4824 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_21
• Track 2 : Hubbs_23
• Track 3 : Pavlo_22, PhillyPhilly_23, Roman_23
• Track 4 : Platte_19, OlinDD_18, Hortus1_18, Alleb_19, Pioneer3_18
• Track 5 : DejaVu_24
• Track 6 : Jacko_22
• Track 7 : Lupine_22
• Track 8 : Tandem_18

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

The start number called the most often in the published annotations is 8, it was called in 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_19, DejaVu_24, Hortus1_18, Hubbs_23, Lupine_22, OlinDD_18, Pavlo_22, PhillyPhilly_23, Pioneer3_18, Platte_19, Roman_23, Tandem_18, Wolfstar_21,

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

Genes that do not have the "Most Annotated" start:
• Jacko_22,

Summary by start number:

Start 8:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Alleb_19 (ED1), DejaVu_24 (ED1), Hortus1_18 (ED1), Hubbs_23 (ED1), Lupine_22 (ED1), OlinDD_18 (ED1), Pavlo_22 (ED1), PhillyPhilly_23 (ED1), Pioneer3_18 (ED1), Platte_19 (ED1), Roman_23 (ED1), Tandem_18 (ED1), Wolfstar_21 (ED),

Start 9:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jacko_22 (ED1),

Summary by clusters:

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

Info for manual annotations of cluster ED1:
•Start number 8 was manually annotated 12 times for cluster ED1.
•Start number 9 was manually annotated 1 time for cluster ED1.

Gene Information:

Gene: Alleb_19 Start: 6292, Stop: 6891, Start Num: 8
Candidate Starts for Alleb_19:
(Start: 8 @6292 has 12 MA's), (14, 6385), (16, 6412), (22, 6442), (24, 6487), (27, 6580), (29, 6613), (30, 6640), (31, 6697), (32, 6754),

Gene: DejaVu_24 Start: 6825, Stop: 7415, Start Num: 8
Candidate Starts for DejaVu_24:
(Start: 8 @6825 has 12 MA's), (12, 6903), (20, 6966), (24, 7029), (25, 7080), (34, 7323), (38, 7404),

Gene: Hortus1_18 Start: 6291, Stop: 6890, Start Num: 8
Candidate Starts for Hortus1_18:
(Start: 8 @6291 has 12 MA's), (14, 6384), (16, 6411), (22, 6441), (24, 6486), (27, 6579), (29, 6612), (30, 6639), (31, 6696), (32, 6753),

Gene: Hubbs_23 Start: 7037, Stop: 7627, Start Num: 8
Candidate Starts for Hubbs_23:
(6, 6998), (Start: 8 @7037 has 12 MA's), (12, 7115), (20, 7178), (24, 7241), (25, 7292), (34, 7535), (38, 7616),

Gene: Jacko_22 Start: 7018, Stop: 7521, Start Num: 9
Candidate Starts for Jacko_22:
(1, 6844), (2, 6853), (4, 6952), (5, 6961), (Start: 9 @7018 has 1 MA's), (11, 7069), (13, 7087), (14, 7096), (17, 7132), (18, 7135), (19, 7138), (21, 7147), (23, 7171), (36, 7492), (37, 7510),

Gene: Lupine_22 Start: 6703, Stop: 7305, Start Num: 8
Candidate Starts for Lupine_22:
(6, 6664), (Start: 8 @6703 has 12 MA's), (10, 6751), (20, 6844), (24, 6907), (26, 6973), (28, 7018), (31, 7123), (34, 7213), (38, 7294),

Gene: OlinDD_18 Start: 6290, Stop: 6889, Start Num: 8
Candidate Starts for OlinDD_18:
(Start: 8 @6290 has 12 MA's), (14, 6383), (16, 6410), (22, 6440), (24, 6485), (27, 6578), (29, 6611), (30, 6638), (31, 6695), (32, 6752),

Gene: Pavlo_22 Start: 6975, Stop: 7580, Start Num: 8
Candidate Starts for Pavlo_22:
(6, 6936), (Start: 8 @6975 has 12 MA's), (10, 7023), (12, 7053), (20, 7116), (24, 7179), (26, 7248), (28, 7293), (31, 7398), (34, 7488), (38, 7569),

Gene: PhillyPhilly_23 Start: 6883, Stop: 7485, Start Num: 8
Candidate Starts for PhillyPhilly_23:
(6, 6844), (Start: 8 @6883 has 12 MA's), (10, 6931), (12, 6961), (20, 7024), (24, 7087), (26, 7153), (28, 7198), (31, 7303), (34, 7393), (38, 7474),

Gene: Pioneer3_18 Start: 6191, Stop: 6790, Start Num: 8
Candidate Starts for Pioneer3_18:
(Start: 8 @6191 has 12 MA's), (14, 6284), (16, 6311), (22, 6341), (24, 6386), (27, 6479), (29, 6512), (30, 6539), (31, 6596), (32, 6653),

Gene: Platte_19 Start: 6324, Stop: 6923, Start Num: 8
Candidate Starts for Platte_19:
(Start: 8 @6324 has 12 MA's), (14, 6417), (16, 6444), (22, 6474), (24, 6519), (27, 6612), (29, 6645), (30, 6672), (31, 6729), (32, 6786),

Gene: Roman_23 Start: 6881, Stop: 7483, Start Num: 8
Candidate Starts for Roman_23:
(6, 6842), (Start: 8 @6881 has 12 MA's), (10, 6929), (12, 6959), (20, 7022), (24, 7085), (26, 7151), (28, 7196), (31, 7301), (34, 7391), (38, 7472),

Gene: Tandem_18 Start: 6228, Stop: 6827, Start Num: 8
Candidate Starts for Tandem_18:
(Start: 8 @6228 has 12 MA's), (14, 6321), (16, 6348), (22, 6378), (24, 6423), (27, 6516), (29, 6549), (30, 6576), (31, 6633), (32, 6690), (35, 6732),

Gene: Wolfstar_21 Start: 7000, Stop: 7599, Start Num: 8
Candidate Starts for Wolfstar_21:
(3, 6895), (7, 6985), (Start: 8 @7000 has 12 MA's), (12, 7078), (15, 7105), (21, 7132), (28, 7288), (31, 7393), (32, 7456), (33, 7471), (35, 7495), (39, 7567), (40, 7570), (41, 7582),