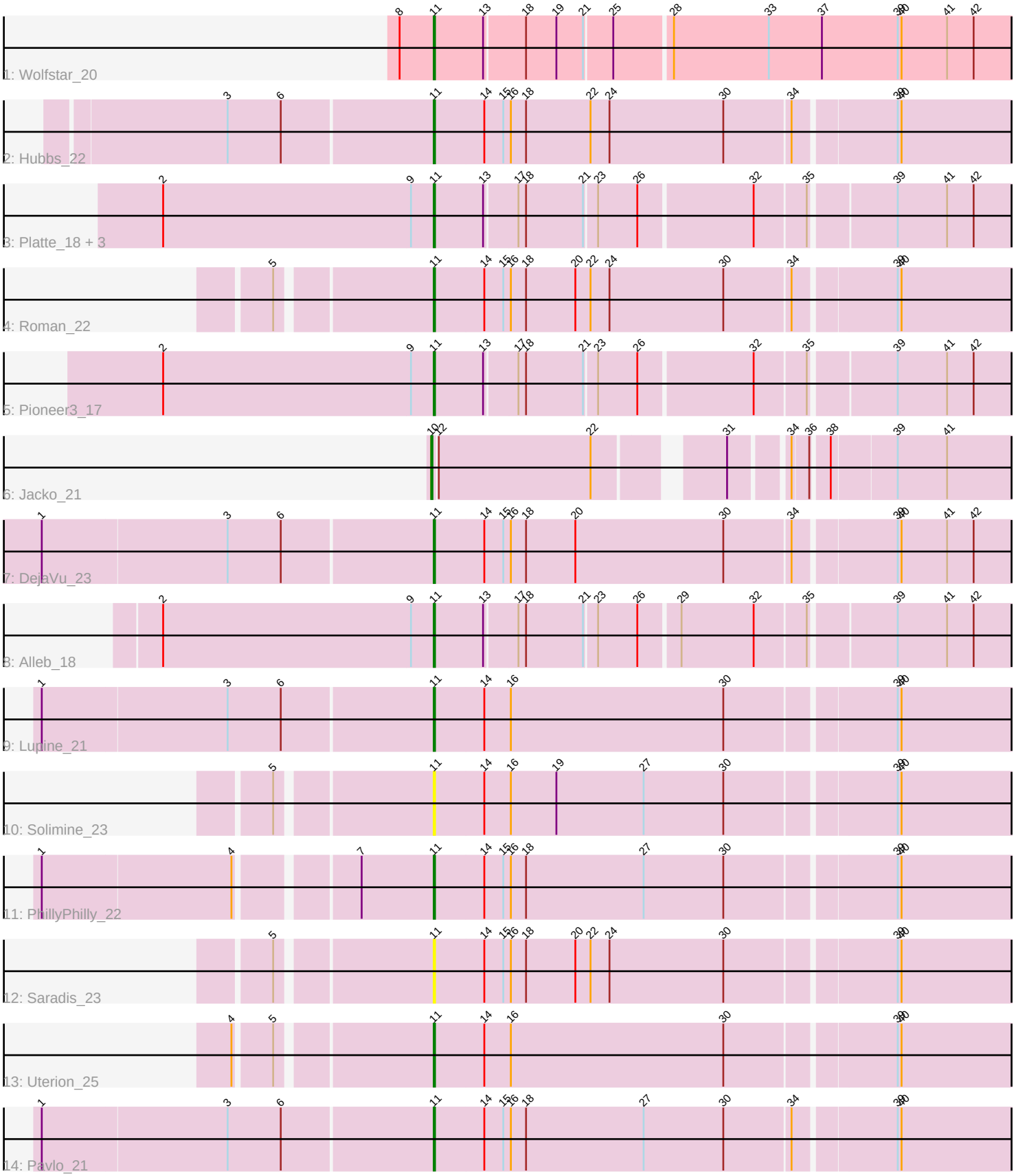
Pham 338586


1: Wolfstar_20
2: Hubbs_22
3: Platte_18 + 3
4: Roman_22
5: Pioneer3_17
6: Jacko_21
7: DejaVu_23
8: Alleb_18
9: Lupine_21
10: Solimine_23
11: PhillyPhilly_22
12: Saradis_23
13: Uterion_25
14: Pavlo_21

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 338586 Report

This analysis was run 11/14/26 on database version 672.

Pham number 338586 has 17 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_20
• Track 2 : Hubbs_22
• Track 3 : Platte_18, Hortus1_17, OlinDD_17, Tandem_17
• Track 4 : Roman_22
• Track 5 : Pioneer3_17
• Track 6 : Jacko_21
• Track 7 : DejaVu_23
• Track 8 : Alleb_18
• Track 9 : Lupine_21
• Track 10 : Solimine_23
• Track 11 : PhillyPhilly_22
• Track 12 : Saradis_23
• Track 13 : Uterion_25
• Track 14 : Pavlo_21

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

The start number called the most often in the published annotations is 11, it was called in 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_18, DejaVu_23, Hortus1_17, Hubbs_22, Lupine_21, OlinDD_17, Pavlo_21, PhillyPhilly_22, Pioneer3_17, Platte_18, Roman_22, Saradis_23, Solimine_23, Tandem_17, Uterion_25, Wolfstar_20,

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

Genes that do not have the "Most Annotated" start:
• Jacko_21,

Summary by start number:

Start 10:

• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jacko_21 (ED1),

Start 11:
• Found in 16 of 17 (94.1%) of genes in pham
• Manual Annotations of this start: 14 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_18 (ED1), DejaVu_23 (ED1), Hortus1_17 (ED1), Hubbs_22 (ED1), Lupine_21 (ED1), OlinDD_17 (ED1), Pavlo_21 (ED1), PhillyPhilly_22 (ED1), Pioneer3_17 (ED1), Platte_18 (ED1), Roman_22 (ED1), Saradis_23 (ED1), Solimine_23 (ED1), Tandem_17 (ED1), Uterion_25 (ED1), Wolfstar_20 (ED),

Summary by clusters:

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

Info for manual annotations of cluster ED:
•Start number 11 was manually annotated 1 time for cluster ED.

Info for manual annotations of cluster ED1:
•Start number 10 was manually annotated 1 time for cluster ED1.
•Start number 11 was manually annotated 13 times for cluster ED1.

Gene Information:

Gene: Alleb_18 Start: 5737, Stop: 6177, Start Num: 11
Candidate Starts for Alleb_18:
(2, 5524), (9, 5719), (Start: 11 @5737 has 14 MA's), (13, 5776), (17, 5800), (18, 5806), (21, 5851), (23, 5860), (26, 5890), (29, 5920), (32, 5977), (35, 6016), (39, 6079), (41, 6118), (42, 6139),

Gene: DejaVu_23 Start: 6257, Stop: 6709, Start Num: 11
Candidate Starts for DejaVu_23:
(1, 5954), (3, 6098), (6, 6140), (Start: 11 @6257 has 14 MA's), (14, 6296), (15, 6311), (16, 6317), (18, 6329), (20, 6368), (30, 6485), (34, 6536), (39, 6611), (40, 6614), (41, 6650), (42, 6671),

Gene: Hortus1_17 Start: 5736, Stop: 6176, Start Num: 11
Candidate Starts for Hortus1_17:
(2, 5523), (9, 5718), (Start: 11 @5736 has 14 MA's), (13, 5775), (17, 5799), (18, 5805), (21, 5850), (23, 5859), (26, 5889), (32, 5976), (35, 6015), (39, 6078), (41, 6117), (42, 6138),

Gene: Hubbs_22 Start: 6537, Stop: 6989, Start Num: 11
Candidate Starts for Hubbs_22:
(3, 6378), (6, 6420), (Start: 11 @6537 has 14 MA's), (14, 6576), (15, 6591), (16, 6597), (18, 6609), (22, 6660), (24, 6675), (30, 6765), (34, 6816), (39, 6891), (40, 6894),

Gene: Jacko_21 Start: 6570, Stop: 6986, Start Num: 10
Candidate Starts for Jacko_21:

(Start: 10 @6570 has 1 MA's), (12, 6573), (22, 6693), (31, 6777), (34, 6816), (36, 6828), (38, 6840), (39, 6888), (41, 6927),

Gene: Lupine_21 Start: 6203, Stop: 6655, Start Num: 11
Candidate Starts for Lupine_21:
(1, 5900), (3, 6044), (6, 6086), (Start: 11 @6203 has 14 MA's), (14, 6242), (16, 6263), (30, 6431), (39, 6557), (40, 6560),

Gene: OlinDD_17 Start: 5735, Stop: 6175, Start Num: 11
Candidate Starts for OlinDD_17:
(2, 5522), (9, 5717), (Start: 11 @5735 has 14 MA's), (13, 5774), (17, 5798), (18, 5804), (21, 5849), (23, 5858), (26, 5888), (32, 5975), (35, 6014), (39, 6077), (41, 6116), (42, 6137),

Gene: Pavlo_21 Start: 6475, Stop: 6927, Start Num: 11
Candidate Starts for Pavlo_21:
(1, 6172), (3, 6316), (6, 6358), (Start: 11 @6475 has 14 MA's), (14, 6514), (15, 6529), (16, 6535), (18, 6547), (27, 6640), (30, 6703), (34, 6754), (39, 6829), (40, 6832),

Gene: PhillyPhilly_22 Start: 6383, Stop: 6835, Start Num: 11
Candidate Starts for PhillyPhilly_22:
(1, 6095), (4, 6242), (7, 6326), (Start: 11 @6383 has 14 MA's), (14, 6422), (15, 6437), (16, 6443), (18, 6455), (27, 6548), (30, 6611), (39, 6737), (40, 6740),

Gene: Pioneer3_17 Start: 5636, Stop: 6076, Start Num: 11
Candidate Starts for Pioneer3_17:
(2, 5423), (9, 5618), (Start: 11 @5636 has 14 MA's), (13, 5675), (17, 5699), (18, 5705), (21, 5750), (23, 5759), (26, 5789), (32, 5876), (35, 5915), (39, 5978), (41, 6017), (42, 6038),

Gene: Platte_18 Start: 5769, Stop: 6209, Start Num: 11
Candidate Starts for Platte_18:
(2, 5556), (9, 5751), (Start: 11 @5769 has 14 MA's), (13, 5808), (17, 5832), (18, 5838), (21, 5883), (23, 5892), (26, 5922), (32, 6009), (35, 6048), (39, 6111), (41, 6150), (42, 6171),

Gene: Roman_22 Start: 6381, Stop: 6833, Start Num: 11
Candidate Starts for Roman_22:
(5, 6267), (Start: 11 @6381 has 14 MA's), (14, 6420), (15, 6435), (16, 6441), (18, 6453), (20, 6492), (22, 6504), (24, 6519), (30, 6609), (34, 6660), (39, 6735), (40, 6738),

Gene: Saradis_23 Start: 6441, Stop: 6893, Start Num: 11
Candidate Starts for Saradis_23:
(5, 6327), (Start: 11 @6441 has 14 MA's), (14, 6480), (15, 6495), (16, 6501), (18, 6513), (20, 6552), (22, 6564), (24, 6579), (30, 6669), (39, 6795), (40, 6798),

Gene: Solimine_23 Start: 6856, Stop: 7308, Start Num: 11
Candidate Starts for Solimine_23:
(5, 6742), (Start: 11 @6856 has 14 MA's), (14, 6895), (16, 6916), (19, 6952), (27, 7021), (30, 7084), (39, 7210), (40, 7213),

Gene: Tandem_17 Start: 5673, Stop: 6113, Start Num: 11
Candidate Starts for Tandem_17:
(2, 5460), (9, 5655), (Start: 11 @5673 has 14 MA's), (13, 5712), (17, 5736), (18, 5742), (21, 5787), (23, 5796), (26, 5826), (32, 5913), (35, 5952), (39, 6015), (41, 6054), (42, 6075),

Gene: Uterion_25 Start: 6948, Stop: 7400, Start Num: 11
Candidate Starts for Uterion_25:
(4, 6807), (5, 6834), (Start: 11 @6948 has 14 MA's), (14, 6987), (16, 7008), (30, 7176), (39, 7302), (40, 7305),

Gene: Wolfstar_20 Start: 6433, Stop: 6885, Start Num: 11
Candidate Starts for Wolfstar_20:
(8, 6406), (Start: 11 @6433 has 14 MA's), (13, 6472), (18, 6502), (19, 6526), (21, 6547), (25, 6568), (28, 6610), (33, 6685), (37, 6727), (39, 6787), (40, 6790), (41, 6826), (42, 6847),