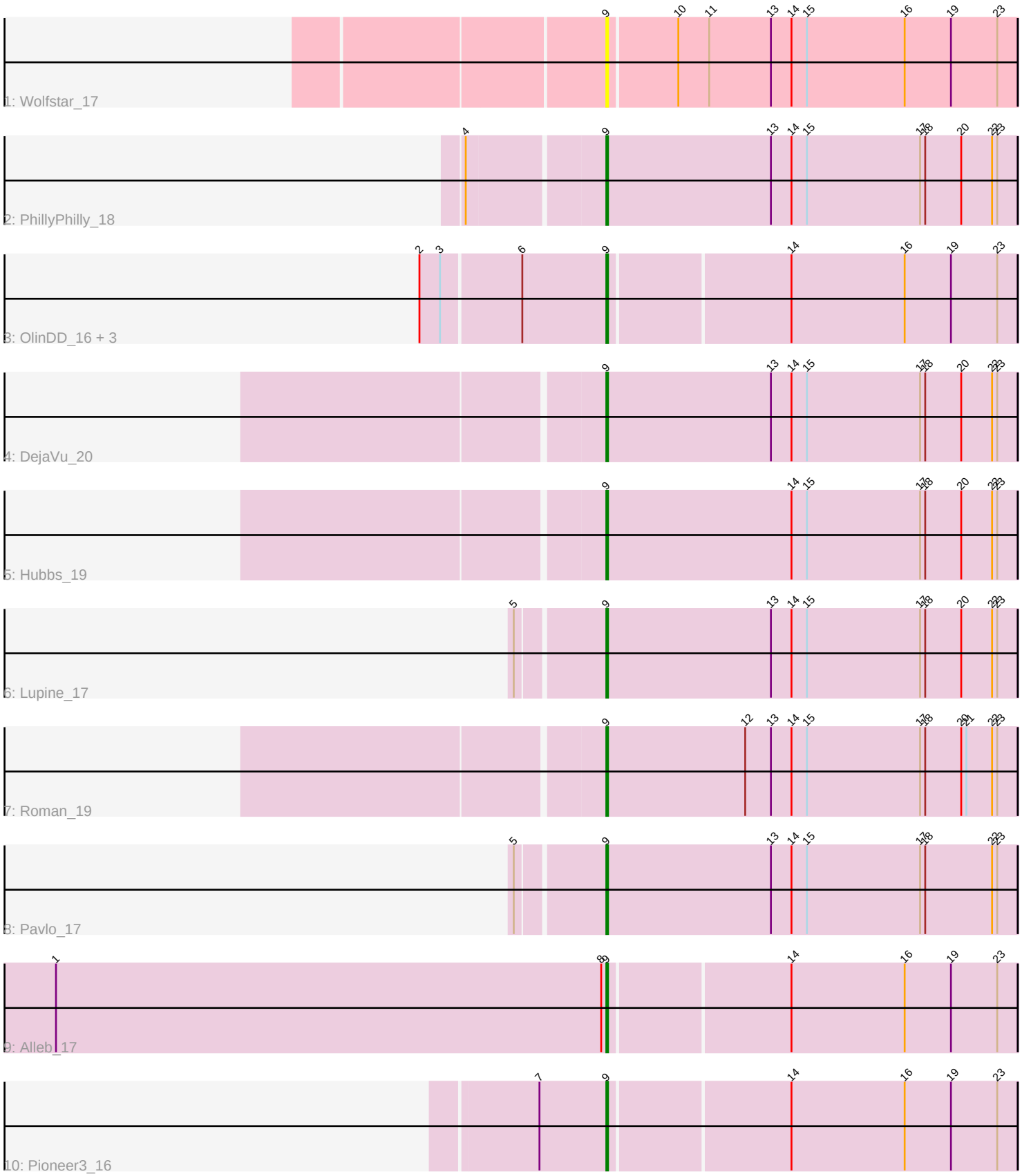
Pham 67726


1: Wolfstar_17
2: PhillyPhilly_18
3: OlinDD_16 + 3
4: DejaVu_20
5: Hubbs_19
6: Lupine_17
7: Roman_19
8: Pavlo_17
9: Alleb_17
10: Pioneer3_16

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 67726 Report

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

Pham number 67726 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_17
• Track 2 : PhillyPhilly_18
• Track 3 : OlinDD_16, Hortus1_16, Platte_17, Tandem_16
• Track 4 : DejaVu_20
• Track 5 : Hubbs_19
• Track 6 : Lupine_17
• Track 7 : Roman_19
• Track 8 : Pavlo_17
• Track 9 : Alleb_17
• Track 10 : Pioneer3_16

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

The start number called the most often in the published annotations is 9, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_17, DejaVu_20, Hortus1_16, Hubbs_19, Lupine_17, OlinDD_16, Pavlo_17, PhillyPhilly_18, Pioneer3_16, Platte_17, Roman_19, Tandem_16, Wolfstar_17,

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 9:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_17 (ED1), DejaVu_20 (ED1), Hortus1_16 (ED1), Hubbs_19 (ED1), Lupine_17 (ED1), OlinDD_16 (ED1), Pavlo_17

(ED1), PhillyPhilly_18 (ED1), Pioneer3_16 (ED1), Platte_17 (ED1), Roman_19 (ED1), Tandem_16 (ED1), Wolfstar_17 (ED),

Summary by clusters:

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

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

Gene Information:

Gene: Alleb_17 Start: 5507, Stop: 5740, Start Num: 9
Candidate Starts for Alleb_17:
(1, 5186), (8, 5504), (Start: 9 @5507 has 12 MA's), (14, 5609), (16, 5675), (19, 5702), (23, 5729),

Gene: DejaVu_20 Start: 5660, Stop: 5899, Start Num: 9
Candidate Starts for DejaVu_20:
(Start: 9 @5660 has 12 MA's), (13, 5756), (14, 5768), (15, 5777), (17, 5843), (18, 5846), (20, 5867), (22, 5885), (23, 5888),

Gene: Hortus1_16 Start: 5506, Stop: 5739, Start Num: 9
Candidate Starts for Hortus1_16:
(2, 5401), (3, 5413), (6, 5458), (Start: 9 @5506 has 12 MA's), (14, 5608), (16, 5674), (19, 5701), (23, 5728),

Gene: Hubbs_19 Start: 5847, Stop: 6086, Start Num: 9
Candidate Starts for Hubbs_19:
(Start: 9 @5847 has 12 MA's), (14, 5955), (15, 5964), (17, 6030), (18, 6033), (20, 6054), (22, 6072), (23, 6075),

Gene: Lupine_17 Start: 5397, Stop: 5636, Start Num: 9
Candidate Starts for Lupine_17:
(5, 5349), (Start: 9 @5397 has 12 MA's), (13, 5493), (14, 5505), (15, 5514), (17, 5580), (18, 5583), (20, 5604), (22, 5622), (23, 5625),

Gene: OlinDD_16 Start: 5505, Stop: 5738, Start Num: 9
Candidate Starts for OlinDD_16:
(2, 5400), (3, 5412), (6, 5457), (Start: 9 @5505 has 12 MA's), (14, 5607), (16, 5673), (19, 5700), (23, 5727),

Gene: Pavlo_17 Start: 5669, Stop: 5908, Start Num: 9
Candidate Starts for Pavlo_17:
(5, 5621), (Start: 9 @5669 has 12 MA's), (13, 5765), (14, 5777), (15, 5786), (17, 5852), (18, 5855), (22, 5894), (23, 5897),

Gene: PhillyPhilly_18 Start: 5592, Stop: 5831, Start Num: 9
Candidate Starts for PhillyPhilly_18:
(4, 5517), (Start: 9 @5592 has 12 MA's), (13, 5688), (14, 5700), (15, 5709), (17, 5775), (18, 5778), (20, 5799), (22, 5817), (23, 5820),

Gene: Pioneer3_16 Start: 5406, Stop: 5639, Start Num: 9
Candidate Starts for Pioneer3_16:
(7, 5367), (Start: 9 @5406 has 12 MA's), (14, 5508), (16, 5574), (19, 5601), (23, 5628),

Gene: Platte_17 Start: 5539, Stop: 5772, Start Num: 9
Candidate Starts for Platte_17:
(2, 5434), (3, 5446), (6, 5491), (Start: 9 @5539 has 12 MA's), (14, 5641), (16, 5707), (19, 5734), (23, 5761),

Gene: Roman_19 Start: 5799, Stop: 6038, Start Num: 9
Candidate Starts for Roman_19:
(Start: 9 @5799 has 12 MA's), (12, 5880), (13, 5895), (14, 5907), (15, 5916), (17, 5982), (18, 5985), (20, 6006), (21, 6009), (22, 6024), (23, 6027),

Gene: Tandem_16 Start: 5443, Stop: 5676, Start Num: 9
Candidate Starts for Tandem_16:
(2, 5338), (3, 5350), (6, 5395), (Start: 9 @5443 has 12 MA's), (14, 5545), (16, 5611), (19, 5638), (23, 5665),

Gene: Wolfstar_17 Start: 5761, Stop: 5997, Start Num: 9
Candidate Starts for Wolfstar_17:
(Start: 9 @5761 has 12 MA's), (10, 5800), (11, 5818), (13, 5854), (14, 5866), (15, 5875), (16, 5932), (19, 5959), (23, 5986),