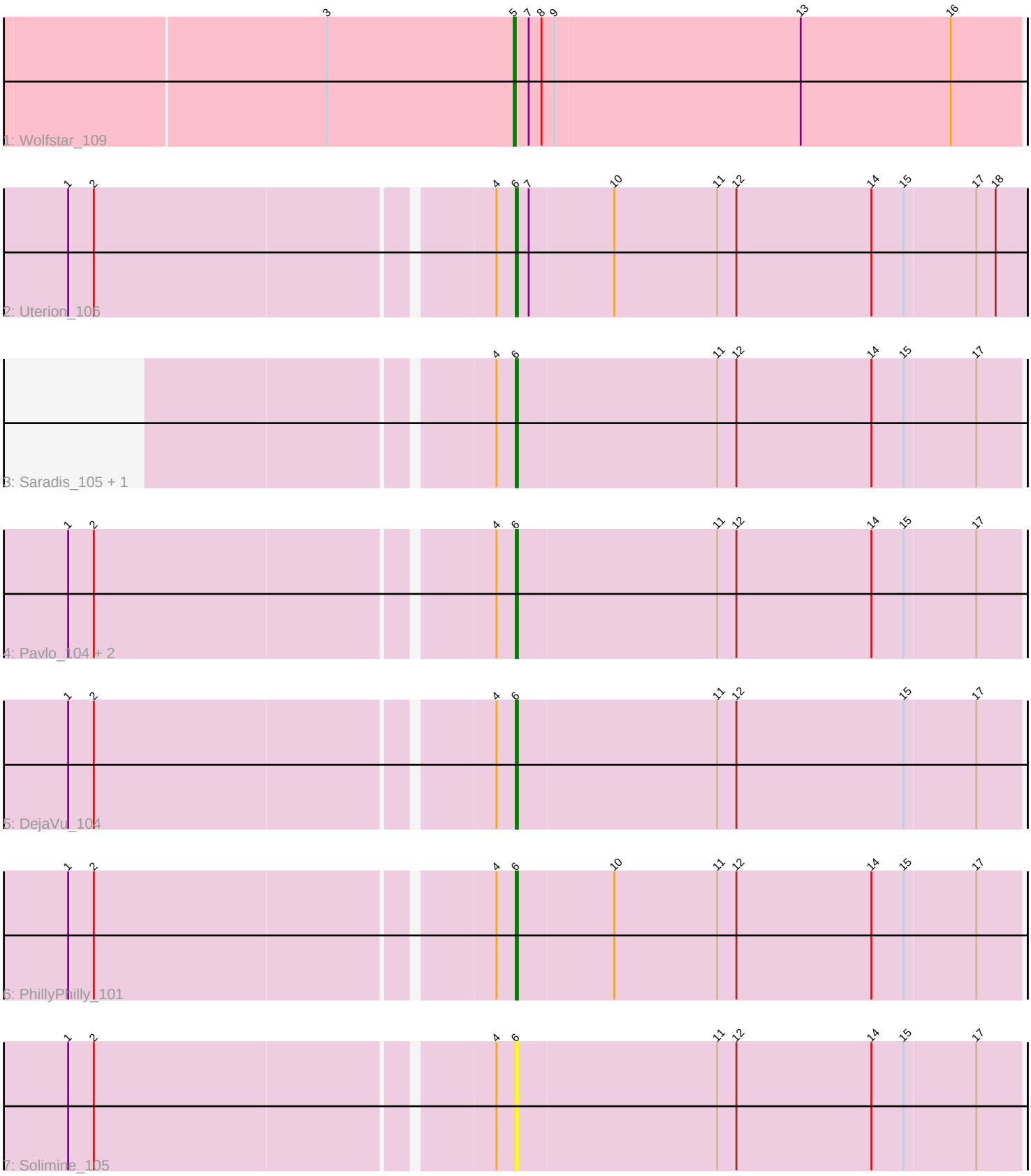
Pham 344626


3
5
7
8
9
13
16
1: Wolfstar_109
1
2
4
6
7
10
11
12
14
15
17
18
2: Uterion_105
4
6
11
12
14
15
17
3: Saradis_105 + 1
1
2
4
6
11
12
14
15
17
4: Pavlo_104 + 2
1
2
4
6
11
12
15
17
5: DejaVu_104
1
2
4
6
10
11
12
14
15
17
6: PhillyPhilly_101
1
2
4
6
11
12
14
15
17
7: Solimine_105

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 344626 Report

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

Pham number 344626 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_109
• Track 2 : Uterion_106
• Track 3 : Saradis_105, Lupine_102
• Track 4 : Pavlo_104, Roman_105, Hubbs_103
• Track 5 : DejaVu_104
• Track 6 : PhillyPhilly_101
• Track 7 : Solimine_105

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DejaVu_104, Hubbs_103, Lupine_102, Pavlo_104, PhillyPhilly_101, Roman_105, Saradis_105, Solimine_105, Uterion_106,

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

Genes that do not have the "Most Annotated" start:
• Wolfstar_109,

Summary by start number:

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wolfstar_109 (ED),

Start 6:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 7 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: DejaVu_104 (ED1), Hubbs_103 (ED1), Lupine_102 (ED1), Pavlo_104 (ED1), PhillyPhilly_101 (ED1), Roman_105 (ED1), Saradis_105 (ED1), Solimine_105 (ED1), Uterion_106 (ED1),

Summary by clusters:

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

Info for manual annotations of cluster ED:
•Start number 5 was manually annotated 1 time for cluster ED.

Info for manual annotations of cluster ED1:
•Start number 6 was manually annotated 7 times for cluster ED1.

Gene Information:

Gene: DejaVu_104 Start: 55978, Stop: 55745, Start Num: 6
Candidate Starts for DejaVu_104:
(1, 56176), (2, 56164), (4, 55987), (Start: 6 @55978 has 7 MA's), (11, 55885), (12, 55876), (15, 55798), (17, 55765),

Gene: Hubbs_103 Start: 56248, Stop: 56015, Start Num: 6
Candidate Starts for Hubbs_103:
(1, 56446), (2, 56434), (4, 56257), (Start: 6 @56248 has 7 MA's), (11, 56155), (12, 56146), (14, 56083), (15, 56068), (17, 56035),

Gene: Lupine_102 Start: 55789, Stop: 55556, Start Num: 6
Candidate Starts for Lupine_102:
(4, 55798), (Start: 6 @55789 has 7 MA's), (11, 55696), (12, 55687), (14, 55624), (15, 55609), (17, 55576),

Gene: Pavlo_104 Start: 56643, Stop: 56410, Start Num: 6
Candidate Starts for Pavlo_104:
(1, 56841), (2, 56829), (4, 56652), (Start: 6 @56643 has 7 MA's), (11, 56550), (12, 56541), (14, 56478), (15, 56463), (17, 56430),

Gene: PhillyPhilly_101 Start: 55632, Stop: 55399, Start Num: 6
Candidate Starts for PhillyPhilly_101:
(1, 55830), (2, 55818), (4, 55641), (Start: 6 @55632 has 7 MA's), (10, 55587), (11, 55539), (12, 55530), (14, 55467), (15, 55452), (17, 55419),

Gene: Roman_105 Start: 56692, Stop: 56459, Start Num: 6
Candidate Starts for Roman_105:
(1, 56890), (2, 56878), (4, 56701), (Start: 6 @56692 has 7 MA's), (11, 56599), (12, 56590), (14, 56527), (15, 56512), (17, 56479),

Gene: Saradis_105 Start: 55653, Stop: 55420, Start Num: 6
Candidate Starts for Saradis_105:
(4, 55662), (Start: 6 @55653 has 7 MA's), (11, 55560), (12, 55551), (14, 55488), (15, 55473), (17, 55440),

Gene: Solimine_105 Start: 56564, Stop: 56331, Start Num: 6
Candidate Starts for Solimine_105:
(1, 56762), (2, 56750), (4, 56573), (Start: 6 @56564 has 7 MA's), (11, 56471), (12, 56462), (14, 56399), (15, 56384), (17, 56351),

Gene: Uterion_106 Start: 56086, Stop: 55850, Start Num: 6
Candidate Starts for Uterion_106:
(1, 56284), (2, 56272), (4, 56095), (Start: 6 @56086 has 7 MA's), (7, 56080), (10, 56041), (11, 55993), (12, 55984), (14, 55921), (15, 55906), (17, 55873), (18, 55864),

Gene: Wolfstar_109 Start: 58434, Stop: 58201, Start Num: 5
Candidate Starts for Wolfstar_109:
(3, 58521), (Start: 5 @58434 has 1 MA's), (7, 58428), (8, 58422), (9, 58416), (13, 58302), (16, 58233),