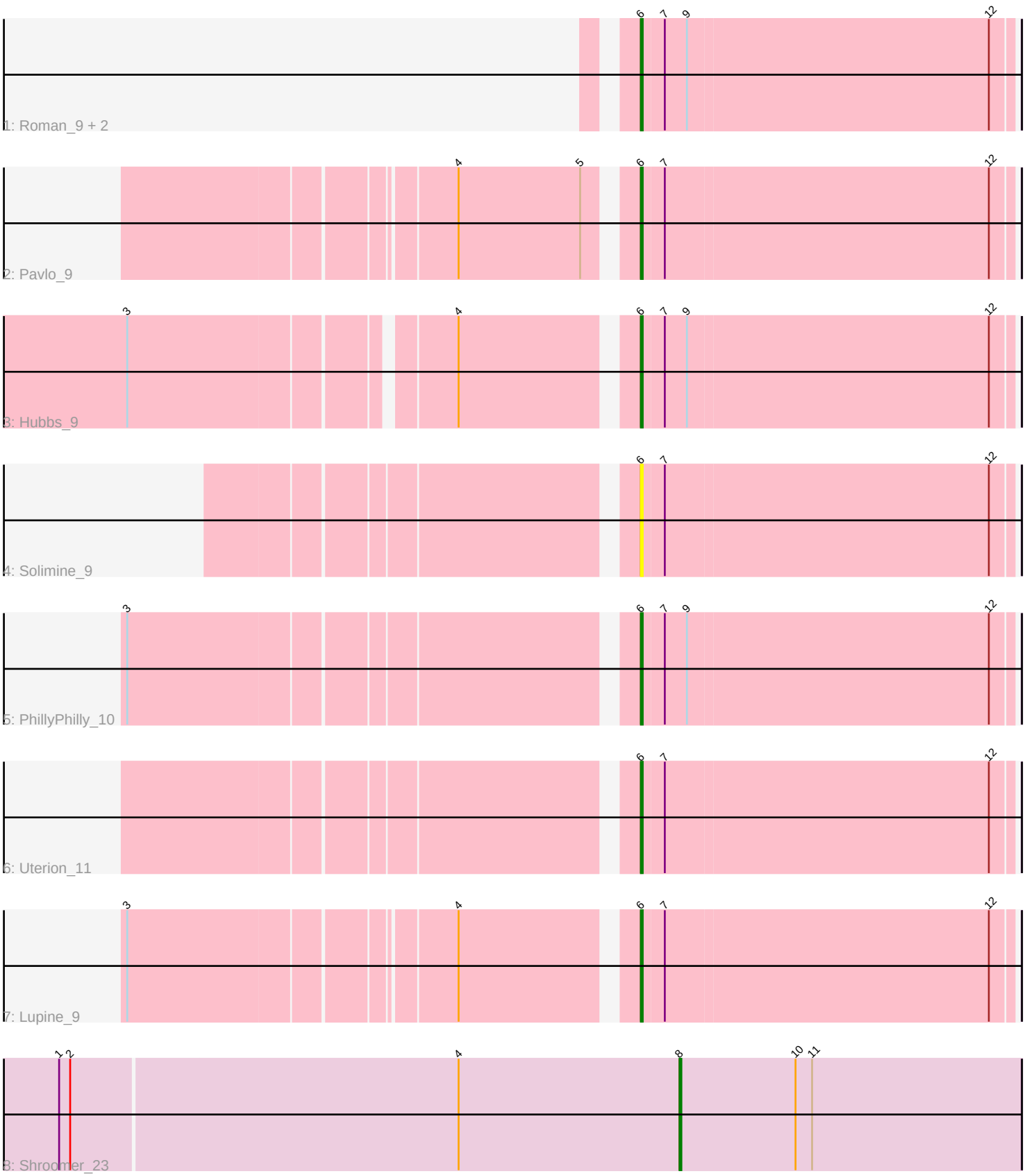
Pham 342783


6
7
9
12
1: Roman_9 + 2
4
5
6
7
12
2: Pavlo_9
3
4
6
7
9
12
3: Hubbs_9
6
7
12
4: Solimine_9
3
6
7
9
12
5: PhillyPhilly_10
6
7
12
6: Uterion_11
3
4
6
7
12
7: Lupine_9
1
2
4
8
10
11
8: Shroomer_23

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 342783 Report

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

Pham number 342783 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Roman_9, Saradis_9, DejaVu_10
• Track 2 : Pavlo_9
• Track 3 : Hubbs_9
• Track 4 : Solimine_9
• Track 5 : PhillyPhilly_10
• Track 6 : Uterion_11
• Track 7 : Lupine_9
• Track 8 : Shroomer_23

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_10, Hubbs_9, Lupine_9, Pavlo_9, PhillyPhilly_10, Roman_9, Saradis_9, Solimine_9, Uterion_11,

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

Genes that do not have the "Most Annotated" start:
• Shroomer_23,

Summary by start number:

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_10 (ED1), Hubbs_9 (ED1), Lupine_9 (ED1), Pavlo_9 (ED1), PhillyPhilly_10 (ED1), Roman_9 (ED1), Saradis_9 (ED1), Solimine_9 (ED1), Uterion_11 (ED1),

Start 8:
• 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: Shroomer_23 (ED2),

Summary by clusters:

There are 2 clusters represented in this pham: ED2, ED1,

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

Info for manual annotations of cluster ED2:
•Start number 8 was manually annotated 1 time for cluster ED2.

Gene Information:

Gene: DejaVu_10 Start: 3830, Stop: 4027, Start Num: 6
Candidate Starts for DejaVu_10:
(Start: 6 @3830 has 7 MA's), (7, 3842), (9, 3854), (12, 4016),

Gene: Hubbs_9 Start: 4014, Stop: 4211, Start Num: 6
Candidate Starts for Hubbs_9:
(3, 3765), (4, 3927), (Start: 6 @4014 has 7 MA's), (7, 4026), (9, 4038), (12, 4200),

Gene: Lupine_9 Start: 3814, Stop: 4011, Start Num: 6
Candidate Starts for Lupine_9:
(3, 3562), (4, 3727), (Start: 6 @3814 has 7 MA's), (7, 3826), (12, 4000),

Gene: Pavlo_9 Start: 4088, Stop: 4285, Start Num: 6
Candidate Starts for Pavlo_9:
(4, 4001), (5, 4067), (Start: 6 @4088 has 7 MA's), (7, 4100), (12, 4274),

Gene: PhillyPhilly_10 Start: 3937, Stop: 4134, Start Num: 6
Candidate Starts for PhillyPhilly_10:
(3, 3682), (Start: 6 @3937 has 7 MA's), (7, 3949), (9, 3961), (12, 4123),

Gene: Roman_9 Start: 3723, Stop: 3920, Start Num: 6
Candidate Starts for Roman_9:
(Start: 6 @3723 has 7 MA's), (7, 3735), (9, 3747), (12, 3909),

Gene: Saradis_9 Start: 3778, Stop: 3975, Start Num: 6
Candidate Starts for Saradis_9:
(Start: 6 @3778 has 7 MA's), (7, 3790), (9, 3802), (12, 3964),

Gene: Shroomer_23 Start: 6660, Stop: 6845, Start Num: 8
Candidate Starts for Shroomer_23:
(1, 6327), (2, 6333), (4, 6540), (Start: 8 @6660 has 1 MA's), (10, 6723), (11, 6732),

Gene: Solimine_9 Start: 3849, Stop: 4046, Start Num: 6

Candidate Starts for Solimine_9:
(Start: 6 @3849 has 7 MA's), (7, 3861), (12, 4035),

Gene: Uterion_11 Start: 4231, Stop: 4428, Start Num: 6
Candidate Starts for Uterion_11:
(Start: 6 @4231 has 7 MA's), (7, 4243), (12, 4417),