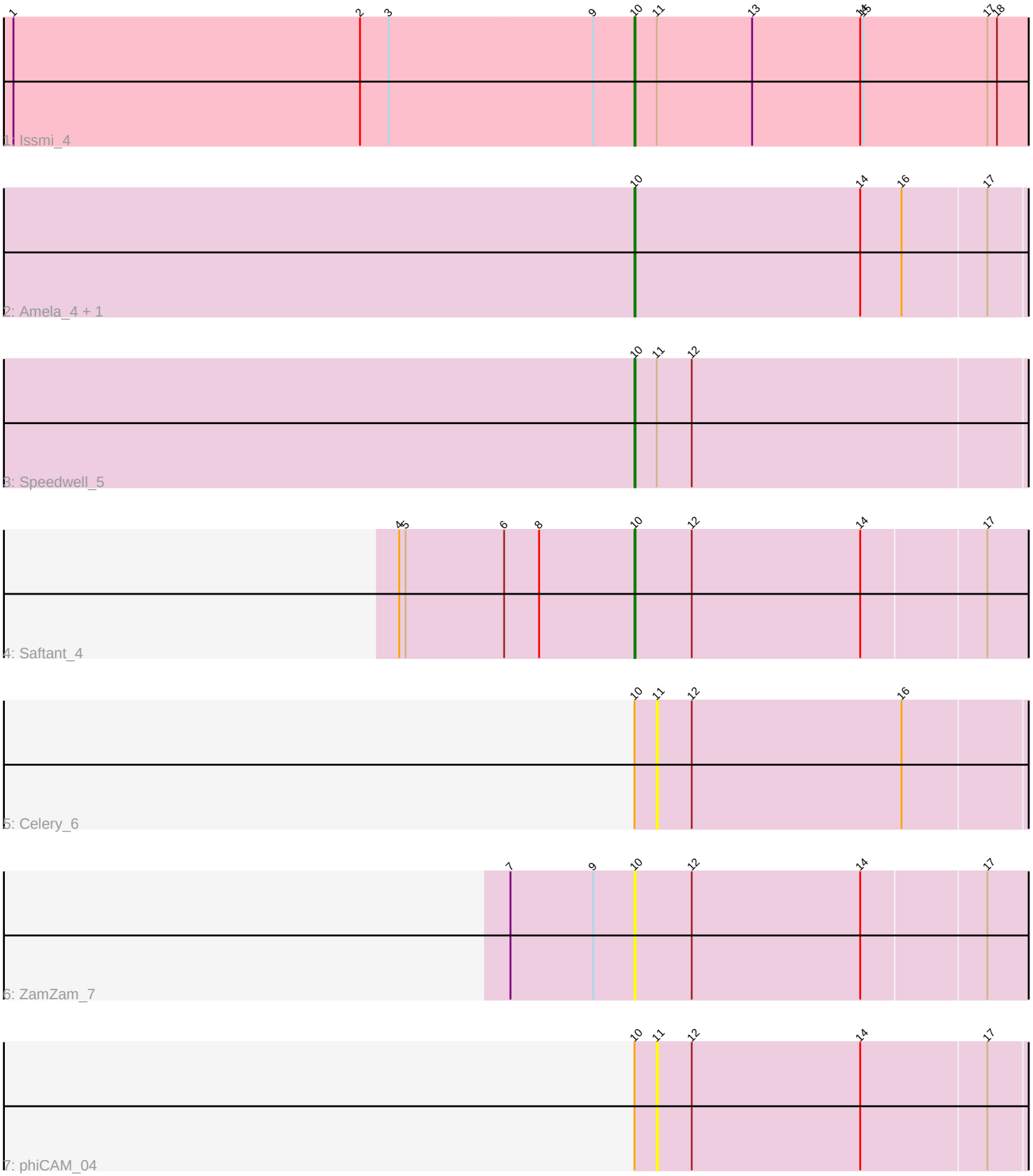
Pham 276879


1: Issmi_4
2: Amela_4 + 1
3: Speedwell_5
4: Saftant_4
5: Celery_6
6: ZamZam_7
7: phiCAM_04

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 276879 Report

This analysis was run 02/07/26 on database version 634.

Pham number 276879 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Issmi_4
• Track 2 : Amela_4, Verse_4
• Track 3 : Speedwell_5
• Track 4 : Saftant_4
• Track 5 : Celery_6
• Track 6 : ZamZam_7
• Track 7 : phiCAM_04

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

The start number called the most often in the published annotations is 10, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amela_4, Issmi_4, Saftant_4, Speedwell_5, Verse_4, ZamZam_7,

Genes that have the "Most Annotated" start but do not call it:
• Celery_6, phiCAM_04,

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

Summary by start number:

Start 10:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Amela_4 (BD3), Issmi_4 (BD2), Saftant_4 (BD3), Speedwell_5 (BD3), Verse_4 (BD3), ZamZam_7 (BD3),

Start 11:
• Found in 4 of 8 (50.0%) of genes in pham
• No Manual Annotations of this start.

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Celery_6 (BD3), phiCAM_04 (BD3),

Summary by clusters:

There are 2 clusters represented in this pham: BD3, BD2,

Info for manual annotations of cluster BD2:
•Start number 10 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 10 was manually annotated 4 times for cluster BD3.

Gene Information:

Gene: Amela_4 Start: 1747, Stop: 2115, Start Num: 10
Candidate Starts for Amela_4:
(Start: 10 @1747 has 5 MA's), (14, 1960), (16, 1999), (17, 2077),

Gene: Celery_6 Start: 1681, Stop: 2028, Start Num: 11
Candidate Starts for Celery_6:
(Start: 10 @1660 has 5 MA's), (11, 1681), (12, 1714), (16, 1912),

Gene: Issmi_4 Start: 1351, Stop: 1734, Start Num: 10
Candidate Starts for Issmi_4:
(1, 766), (2, 1093), (3, 1120), (9, 1312), (Start: 10 @1351 has 5 MA's), (11, 1372), (13, 1462), (14, 1564), (15, 1567), (17, 1684), (18, 1693),

Gene: Saftant_4 Start: 1704, Stop: 2072, Start Num: 10
Candidate Starts for Saftant_4:
(4, 1482), (5, 1488), (6, 1581), (8, 1614), (Start: 10 @1704 has 5 MA's), (12, 1758), (14, 1917), (17, 2031),

Gene: Speedwell_5 Start: 1643, Stop: 2011, Start Num: 10
Candidate Starts for Speedwell_5:
(Start: 10 @1643 has 5 MA's), (11, 1664), (12, 1697),

Gene: Verse_4 Start: 1741, Stop: 2109, Start Num: 10
Candidate Starts for Verse_4:
(Start: 10 @1741 has 5 MA's), (14, 1954), (16, 1993), (17, 2071),

Gene: ZamZam_7 Start: 1673, Stop: 2041, Start Num: 10
Candidate Starts for ZamZam_7:
(7, 1556), (9, 1634), (Start: 10 @1673 has 5 MA's), (12, 1727), (14, 1886), (17, 2000),

Gene: phiCAM_04 Start: 1710, Stop: 2057, Start Num: 11
Candidate Starts for phiCAM_04:
(Start: 10 @1689 has 5 MA's), (11, 1710), (12, 1743), (14, 1902), (17, 2019),