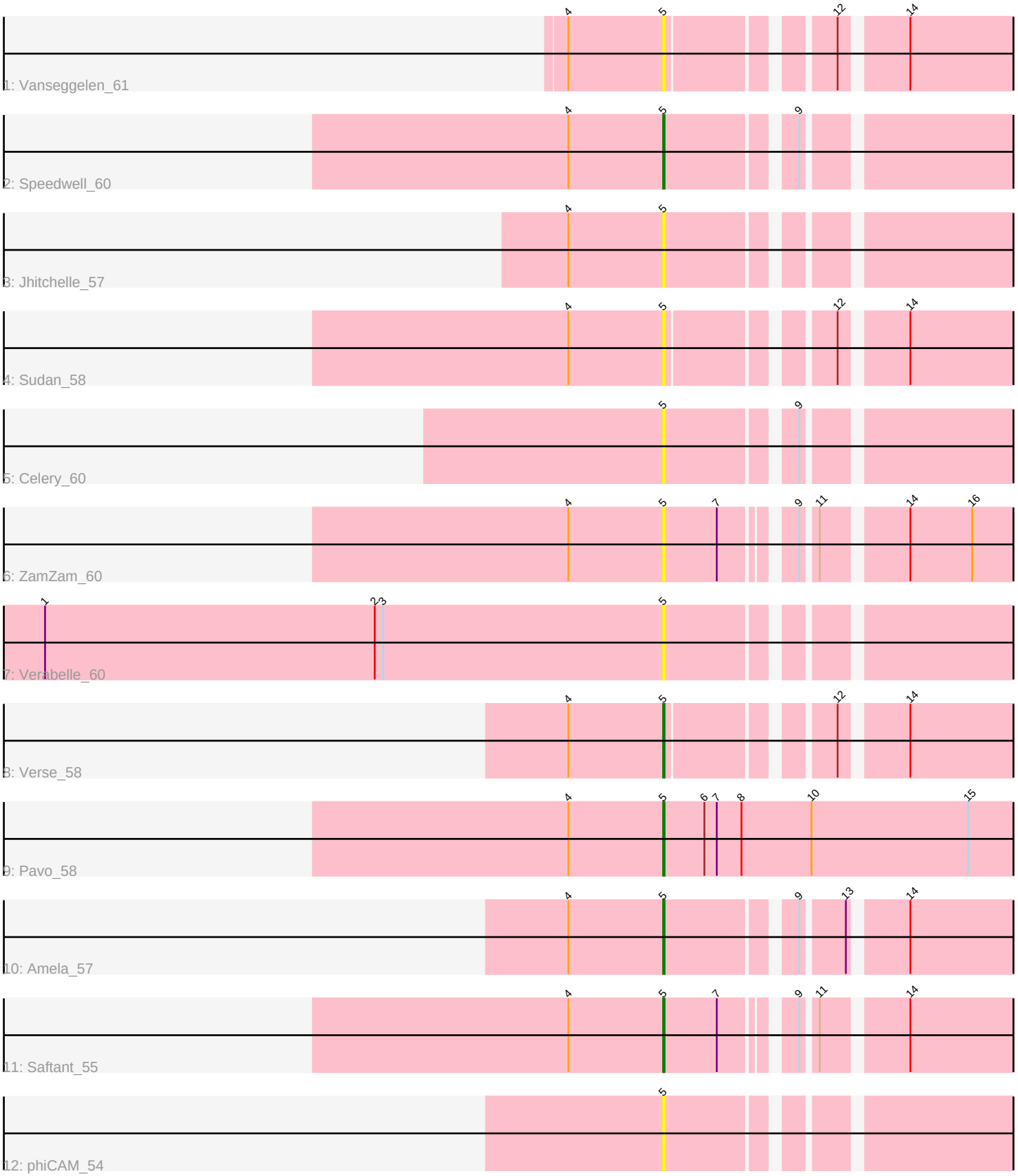
Pham 281054


1: Vanseggelen_61
2: Speedwell_60
3: Jhitchelle_57
4: Sudan_58
5: Celery_60
6: ZamZam_60
7: Verabelle_60
8: Verse_58
9: Pavo_58
10: Amela_57
11: Saftant_55
12: phiCAM_54

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 281054 Report

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

Pham number 281054 has 12 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Vanseggelen_61
• Track 2 : Speedwell_60
• Track 3 : Jhitchelle_57
• Track 4 : Sudan_58
• Track 5 : Celery_60
• Track 6 : ZamZam_60
• Track 7 : Verabelle_60
• Track 8 : Verse_58
• Track 9 : Pavo_58
• Track 10 : Amela_57
• Track 11 : Saftant_55
• Track 12 : phiCAM_54

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

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

Genes that call this "Most Annotated" start:
• Amela_57, Celery_60, Jhitchelle_57, Pavo_58, Saftant_55, Speedwell_60, Sudan_58, Vanseggelen_61, Verabelle_60, Verse_58, ZamZam_60, phiCAM_54,

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 5:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Amela_57 (BD3), Celery_60 (BD3), Jhitchelle_57 (BD3), Pavo_58 (BD3), Saftant_55 (BD3), Speedwell_60 (BD3), Sudan_58 (BD3), Vanseggelen_61 (BD3), Verabelle_60 (BD3), Verse_58 (BD3), ZamZam_60 (BD3), phiCAM_54 (BD3),

Summary by clusters:

There is one cluster represented in this pham: BD3

Info for manual annotations of cluster BD3:
•Start number 5 was manually annotated 5 times for cluster BD3.

Gene Information:

Gene: Amela_57 Start: 41178, Stop: 40954, Start Num: 5
Candidate Starts for Amela_57:
(4, 41247), (Start: 5 @41178 has 5 MA's), (9, 41094), (13, 41067), (14, 41031),

Gene: Celery_60 Start: 40166, Stop: 39942, Start Num: 5
Candidate Starts for Celery_60:
(Start: 5 @40166 has 5 MA's), (9, 40082),

Gene: Jhitchelle_57 Start: 39822, Stop: 39598, Start Num: 5
Candidate Starts for Jhitchelle_57:
(4, 39891), (Start: 5 @39822 has 5 MA's),

Gene: Pavo_58 Start: 40398, Stop: 40141, Start Num: 5
Candidate Starts for Pavo_58:
(4, 40467), (Start: 5 @40398 has 5 MA's), (6, 40368), (7, 40359), (8, 40341), (10, 40290), (15, 40176),

Gene: Saftant_55 Start: 40311, Stop: 40090, Start Num: 5
Candidate Starts for Saftant_55:
(4, 40380), (Start: 5 @40311 has 5 MA's), (7, 40272), (9, 40230), (11, 40221), (14, 40167),

Gene: Speedwell_60 Start: 41354, Stop: 41130, Start Num: 5
Candidate Starts for Speedwell_60:
(4, 41423), (Start: 5 @41354 has 5 MA's), (9, 41270),

Gene: Sudan_58 Start: 40202, Stop: 39981, Start Num: 5
Candidate Starts for Sudan_58:
(4, 40271), (Start: 5 @40202 has 5 MA's), (12, 40100), (14, 40058),

Gene: Vanseggelen_61 Start: 40051, Stop: 39830, Start Num: 5
Candidate Starts for Vanseggelen_61:
(4, 40120), (Start: 5 @40051 has 5 MA's), (12, 39949), (14, 39907),

Gene: Verabelle_60 Start: 39890, Stop: 39666, Start Num: 5
Candidate Starts for Verabelle_60:
(1, 40340), (2, 40100), (3, 40094), (Start: 5 @39890 has 5 MA's),

Gene: Verse_58 Start: 41169, Stop: 40948, Start Num: 5

Candidate Starts for Verse_58:
(4, 41238), (Start: 5 @41169 has 5 MA's), (12, 41067), (14, 41025),

Gene: ZamZam_60 Start: 40625, Stop: 40404, Start Num: 5
Candidate Starts for ZamZam_60:
(4, 40694), (Start: 5 @40625 has 5 MA's), (7, 40586), (9, 40544), (11, 40535), (14, 40481), (16, 40436),

Gene: phiCAM_54 Start: 41976, Stop: 41752, Start Num: 5
Candidate Starts for phiCAM_54:
(Start: 5 @41976 has 5 MA's),