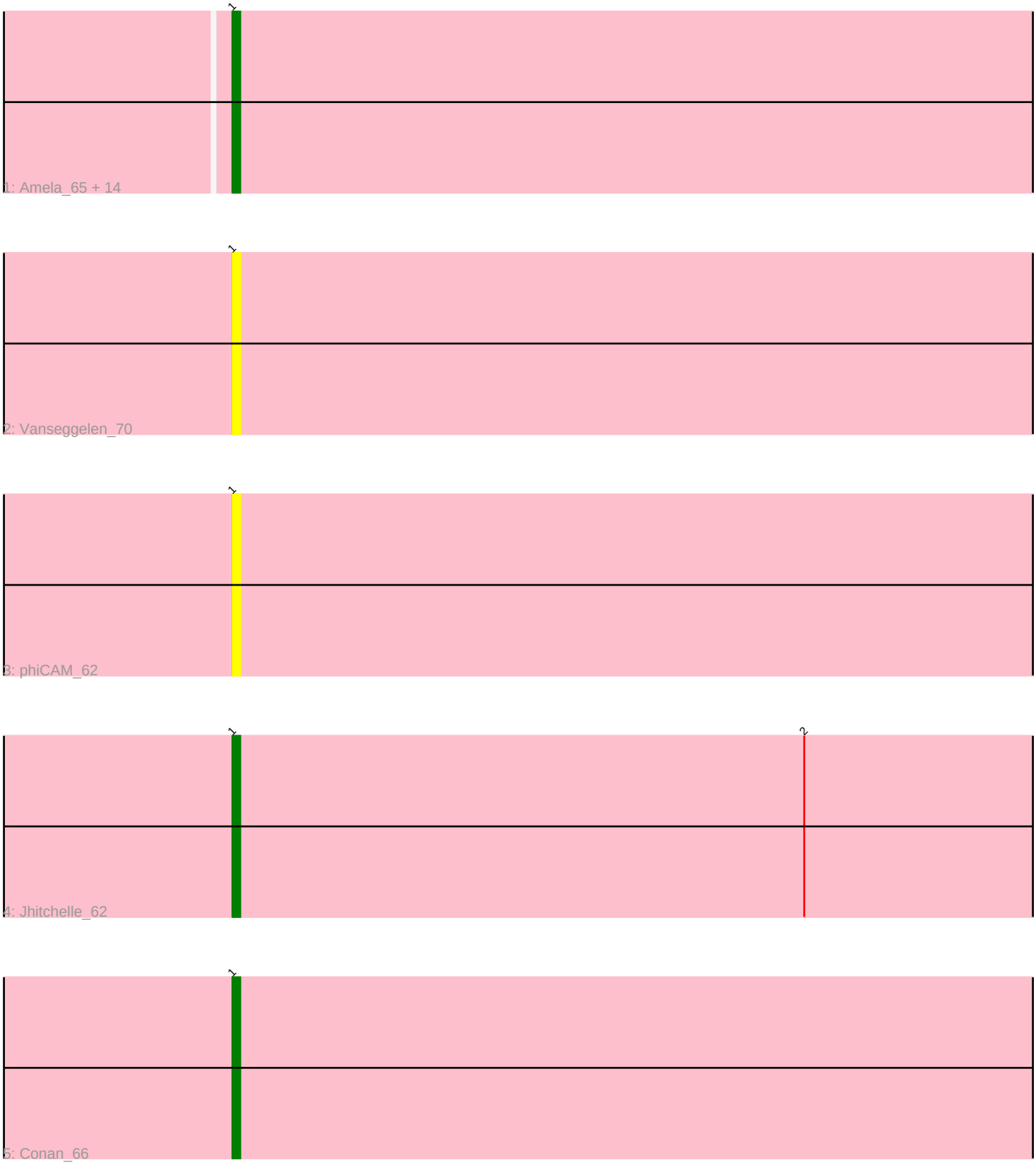
Pham 296993


1
1: Amela_65 + 14
1
2: Vanseggelen_70
1
3: phiCAM_62
1
2
4: Jhitchelle_62
1
5: Conan_66

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 296993 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296993 has 19 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Amela_65, Dexers_63, ElGato_66, Provolone_66, Speedwell_68, Celery_68, SunkenRoot_66, Verse_66, Pavo_66, Saftant_63, ZamZam_65, Kaine_65, Sudan_65, Verabelle_68, Alsaber_65
• Track 2 : Vanseggelen_70
• Track 3 : phiCAM_62
• Track 4 : Jhitchelle_62
• Track 5 : Conan_66

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

The start number called the most often in the published annotations is 1, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alsaber_65, Amela_65, Celery_68, Conan_66, Dexers_63, ElGato_66, Jhitchelle_62, Kaine_65, Pavo_66, Provolone_66, Saftant_63, Speedwell_68, Sudan_65, SunkenRoot_66, Vanseggelen_70, Verabelle_68, Verse_66, ZamZam_65, phiCAM_62,

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 1:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alsaber_65 (BD3), Amela_65 (BD3), Celery_68 (BD3), Conan_66 (BD3), Dexers_63 (BD3), ElGato_66 (BD3), Jhitchelle_62 (BD3), Kaine_65 (BD3), Pavo_66 (BD3), Provolone_66 (BD3),

Saftant_63 (BD3), Speedwell_68 (BD3), Sudan_65 (BD3), SunkenRoot_66 (BD3), Vanseggelen_70 (BD3), Verabelle_68 (BD3), Verse_66 (BD3), ZamZam_65 (BD3), phiCAM_62 (BD3),

Summary by clusters:

There is one cluster represented in this pham: BD3

Info for manual annotations of cluster BD3:
•Start number 1 was manually annotated 14 times for cluster BD3.

Gene Information:

Gene: Alsaber_65 Start: 43432, Stop: 43151, Start Num: 1
Candidate Starts for Alsaber_65:
(Start: 1 @43432 has 14 MA's),

Gene: Amela_65 Start: 44414, Stop: 44145, Start Num: 1
Candidate Starts for Amela_65:
(Start: 1 @44414 has 14 MA's),

Gene: Celery_68 Start: 43343, Stop: 43065, Start Num: 1
Candidate Starts for Celery_68:
(Start: 1 @43343 has 14 MA's),

Gene: Conan_66 Start: 43683, Stop: 43417, Start Num: 1
Candidate Starts for Conan_66:
(Start: 1 @43683 has 14 MA's),

Gene: Dexers_63 Start: 43658, Stop: 43389, Start Num: 1
Candidate Starts for Dexers_63:
(Start: 1 @43658 has 14 MA's),

Gene: ElGato_66 Start: 43561, Stop: 43289, Start Num: 1
Candidate Starts for ElGato_66:
(Start: 1 @43561 has 14 MA's),

Gene: Jhitchelle_62 Start: 42943, Stop: 42677, Start Num: 1
Candidate Starts for Jhitchelle_62:
(Start: 1 @42943 has 14 MA's), (2, 42868),

Gene: Kaine_65 Start: 43456, Stop: 43175, Start Num: 1
Candidate Starts for Kaine_65:
(Start: 1 @43456 has 14 MA's),

Gene: Pavo_66 Start: 43632, Stop: 43360, Start Num: 1
Candidate Starts for Pavo_66:
(Start: 1 @43632 has 14 MA's),

Gene: Provolone_66 Start: 43773, Stop: 43501, Start Num: 1
Candidate Starts for Provolone_66:

(Start: 1 @43773 has 14 MA's),

Gene: Saftant_63 Start: 43520, Stop: 43239, Start Num: 1
Candidate Starts for Saftant_63:
(Start: 1 @43520 has 14 MA's),

Gene: Speedwell_68 Start: 44565, Stop: 44284, Start Num: 1
Candidate Starts for Speedwell_68:
(Start: 1 @44565 has 14 MA's),

Gene: Sudan_65 Start: 43439, Stop: 43158, Start Num: 1
Candidate Starts for Sudan_65:
(Start: 1 @43439 has 14 MA's),

Gene: SunkenRoot_66 Start: 44141, Stop: 43872, Start Num: 1
Candidate Starts for SunkenRoot_66:
(Start: 1 @44141 has 14 MA's),

Gene: Vanseggelen_70 Start: 43501, Stop: 43232, Start Num: 1
Candidate Starts for Vanseggelen_70:
(Start: 1 @43501 has 14 MA's),

Gene: Verabelle_68 Start: 43108, Stop: 42839, Start Num: 1
Candidate Starts for Verabelle_68:
(Start: 1 @43108 has 14 MA's),

Gene: Verse_66 Start: 44405, Stop: 44136, Start Num: 1
Candidate Starts for Verse_66:
(Start: 1 @44405 has 14 MA's),

Gene: ZamZam_65 Start: 43862, Stop: 43581, Start Num: 1
Candidate Starts for ZamZam_65:
(Start: 1 @43862 has 14 MA's),

Gene: phiCAM_62 Start: 45181, Stop: 44900, Start Num: 1
Candidate Starts for phiCAM_62:
(Start: 1 @45181 has 14 MA's),