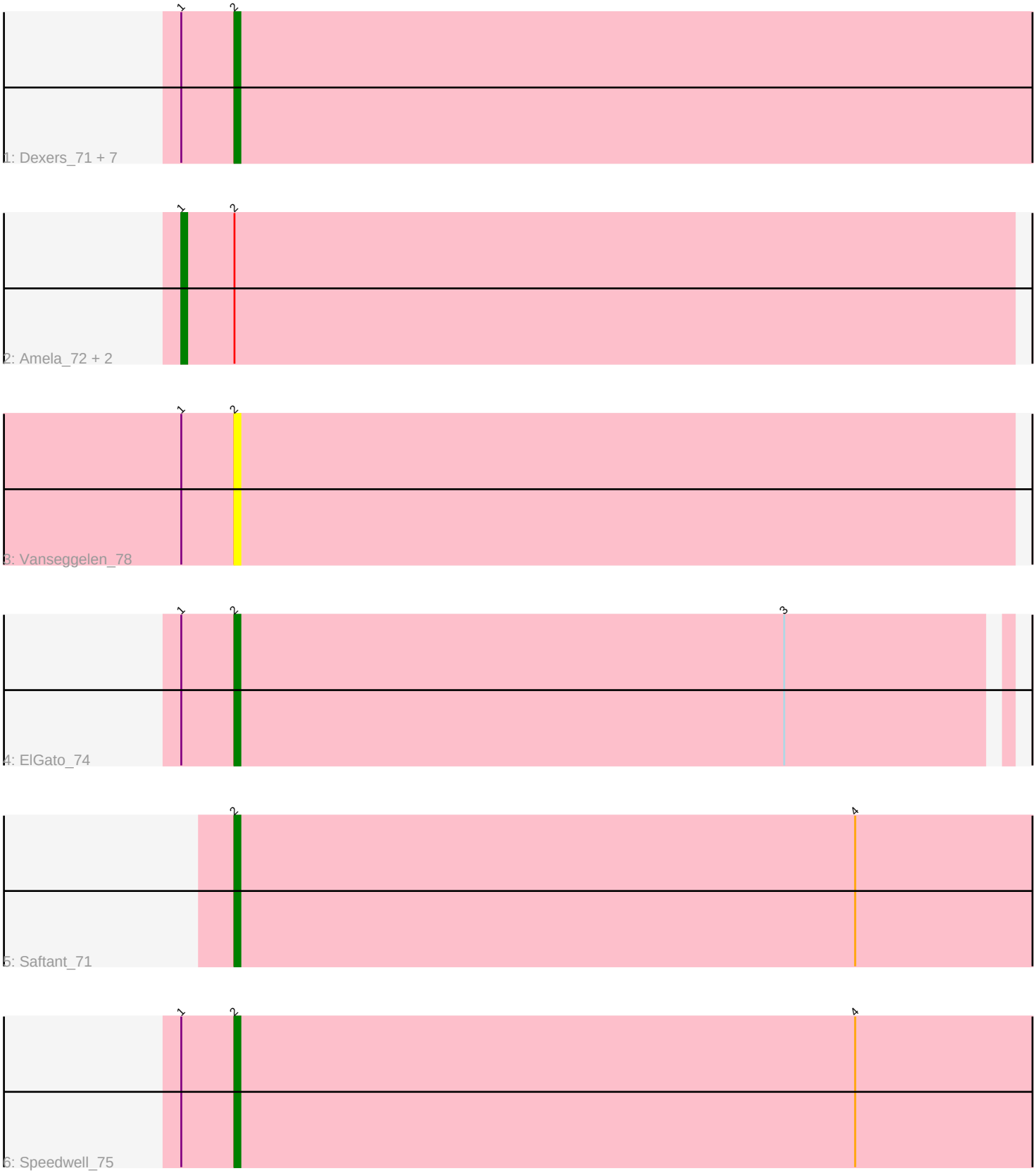
Pham 203420


1
2
1: Dexers_71 + 7
1
2
2: Amela_72 + 2
1
2
3: Vanseggelen_78
1
2
3
4: ElGato_74
2
4
5: Saftant_71
1
2
4
6: Speedwell_75

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 203420 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203420 has 15 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Dexers_71, Conan_74, Kaine_73, Pavo_74, Celery_77, Verse_73, Provolone_74, Alsaber_73
• Track 2 : Amela_72, phiCAM_69, Verabelle_75
• Track 3 : Vanseggelen_78
• Track 4 : ElGato_74
• Track 5 : Saftant_71
• Track 6 : Speedwell_75

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alsaber_73, Celery_77, Conan_74, Dexers_71, ElGato_74, Kaine_73, Pavo_74, Provolone_74, Saftant_71, Speedwell_75, Vanseggelen_78, Verse_73,

Genes that have the "Most Annotated" start but do not call it:
• Amela_72, Verabelle_75, phiCAM_69,

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

Summary by start number:

Start 1:
• Found in 14 of 15 (93.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 21.4% of time when present
• Phage (with cluster) where this start called: Amela_72 (BD3), Verabelle_75 (BD3), phiCAM_69 (BD3),

Start 2:
• Found in 15 of 15 (100.0%) of genes in pham

• Manual Annotations of this start: 10 of 11
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Alsaber_73 (BD3), Celery_77 (BD3), Conan_74 (BD3), Dexers_71 (BD3), ElGato_74 (BD3), Kaine_73 (BD3), Pavo_74 (BD3), Provolone_74 (BD3), Saftant_71 (BD3), Speedwell_75 (BD3), Vanseggelen_78 (BD3), Verse_73 (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 1 time for cluster BD3.
•Start number 2 was manually annotated 10 times for cluster BD3.

Gene Information:

Gene: Alsaber_73 Start: 46481, Stop: 46338, Start Num: 2
Candidate Starts for Alsaber_73:
(Start: 1 @46490 has 1 MA's), (Start: 2 @46481 has 10 MA's),

Gene: Amela_72 Start: 47090, Stop: 46938, Start Num: 1
Candidate Starts for Amela_72:
(Start: 1 @47090 has 1 MA's), (Start: 2 @47081 has 10 MA's),

Gene: Celery_77 Start: 46135, Stop: 45992, Start Num: 2
Candidate Starts for Celery_77:
(Start: 1 @46144 has 1 MA's), (Start: 2 @46135 has 10 MA's),

Gene: Conan_74 Start: 46733, Stop: 46590, Start Num: 2
Candidate Starts for Conan_74:
(Start: 1 @46742 has 1 MA's), (Start: 2 @46733 has 10 MA's),

Gene: Dexers_71 Start: 46699, Stop: 46553, Start Num: 2
Candidate Starts for Dexers_71:
(Start: 1 @46708 has 1 MA's), (Start: 2 @46699 has 10 MA's),

Gene: ElGato_74 Start: 46593, Stop: 46453, Start Num: 2
Candidate Starts for ElGato_74:
(Start: 1 @46602 has 1 MA's), (Start: 2 @46593 has 10 MA's), (3, 46500),

Gene: Kaine_73 Start: 46505, Stop: 46362, Start Num: 2
Candidate Starts for Kaine_73:
(Start: 1 @46514 has 1 MA's), (Start: 2 @46505 has 10 MA's),

Gene: Pavo_74 Start: 46681, Stop: 46538, Start Num: 2
Candidate Starts for Pavo_74:
(Start: 1 @46690 has 1 MA's), (Start: 2 @46681 has 10 MA's),

Gene: Provolone_74 Start: 46822, Stop: 46679, Start Num: 2
Candidate Starts for Provolone_74:

(Start: 1 @46831 has 1 MA's), (Start: 2 @46822 has 10 MA's),

Gene: Saftant_71 Start: 46556, Stop: 46410, Start Num: 2
Candidate Starts for Saftant_71:
(Start: 2 @46556 has 10 MA's), (4, 46451),

Gene: Speedwell_75 Start: 47266, Stop: 47120, Start Num: 2
Candidate Starts for Speedwell_75:
(Start: 1 @47275 has 1 MA's), (Start: 2 @47266 has 10 MA's), (4, 47161),

Gene: Vanseggelen_78 Start: 46338, Stop: 46195, Start Num: 2
Candidate Starts for Vanseggelen_78:
(Start: 1 @46347 has 1 MA's), (Start: 2 @46338 has 10 MA's),

Gene: Verabelle_75 Start: 45786, Stop: 45634, Start Num: 1
Candidate Starts for Verabelle_75:
(Start: 1 @45786 has 1 MA's), (Start: 2 @45777 has 10 MA's),

Gene: Verse_73 Start: 47119, Stop: 46976, Start Num: 2
Candidate Starts for Verse_73:
(Start: 1 @47128 has 1 MA's), (Start: 2 @47119 has 10 MA's),

Gene: phiCAM_69 Start: 47950, Stop: 47798, Start Num: 1
Candidate Starts for phiCAM_69:
(Start: 1 @47950 has 1 MA's), (Start: 2 @47941 has 10 MA's),