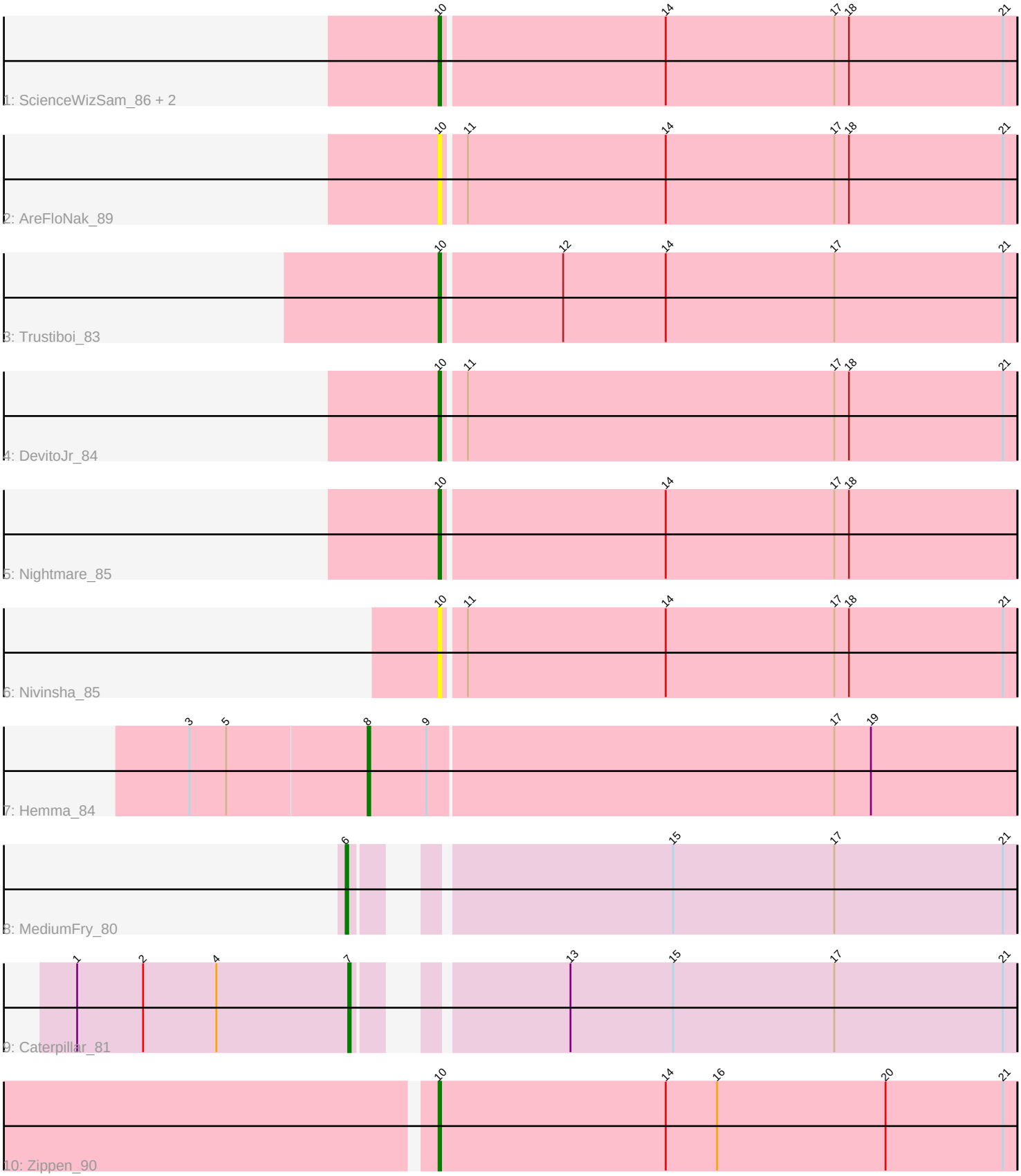
Pham 348213


10
14
17
18
21
1: ScienceWizSam_86 + 2
10
11
14
17
18
21
2: AreFloNak_89
10
12
14
17
21
3: Trustiboi_83
10
11
17
18
21
4: DevitoJr_84
10
14
17
18
5: Nightmare_85
10
11
14
17
18
21
6: Nivinsha_85
3
5
8
9
17
19
7: Hemma_84
6
15
17
21
8: MediumFry_80
1
2
4
7
13
15
17
21
9: Caterpillar_81
10
14
16
20
21
10: Zippen_90

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 348213 Report

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

Pham number 348213 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : ScienceWizSam_86, Darby_83, Tatanka_78
• Track 2 : AreFloNak_89
• Track 3 : Trustiboi_83
• Track 4 : DevitoJr_84
• Track 5 : Nightmare_85
• Track 6 : Nivinsha_85
• Track 7 : Hemma_84
• Track 8 : MediumFry_80
• Track 9 : Caterpillar_81
• Track 10 : Zippen_90

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 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AreFloNak_89, Darby_83, DevitoJr_84, Nightmare_85, Nivinsha_85, ScienceWizSam_86, Tatanka_78, Trustiboi_83, Zippen_90,

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

Genes that do not have the "Most Annotated" start:
• Caterpillar_81, Hemma_84, MediumFry_80,

Summary by start number:

Start 6:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MediumFry_80 (AU4),

Start 7:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Caterpillar_81 (AU4),

Start 8:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hemma_84 (AU1),

Start 10:
• Found in 9 of 12 (75.0%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AreFloNak_89 (AU1), Darby_83 (AU1), DevitoJr_84 (AU1), Nightmare_85 (AU1), Nivinsha_85 (AU1), ScienceWizSam_86 (AU1), Tatanka_78 (AU1), Trustiboi_83 (AU1), Zippen_90 (AU7),

Summary by clusters:

There are 3 clusters represented in this pham: AU1, AU4, AU7,

Info for manual annotations of cluster AU1:
•Start number 8 was manually annotated 1 time for cluster AU1.
•Start number 10 was manually annotated 6 times for cluster AU1.

Info for manual annotations of cluster AU4:
•Start number 6 was manually annotated 1 time for cluster AU4.
•Start number 7 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster AU7:
•Start number 10 was manually annotated 1 time for cluster AU7.

Gene Information:

Gene: AreFloNak_89 Start: 52612, Stop: 52845, Start Num: 10
Candidate Starts for AreFloNak_89:
(Start: 10 @52612 has 7 MA's), (11, 52621), (14, 52702), (17, 52771), (18, 52777), (21, 52840),

Gene: Caterpillar_81 Start: 51570, Stop: 51821, Start Num: 7
Candidate Starts for Caterpillar_81:
(1, 51459), (2, 51486), (4, 51516), (Start: 7 @51570 has 1 MA's), (13, 51639), (15, 51681), (17, 51747), (21, 51816),

Gene: Darby_83 Start: 52830, Stop: 53063, Start Num: 10
Candidate Starts for Darby_83:
(Start: 10 @52830 has 7 MA's), (14, 52920), (17, 52989), (18, 52995), (21, 53058),

Gene: DevitoJr_84 Start: 52489, Stop: 52722, Start Num: 10

Candidate Starts for DevitoJr_84:
(Start: 10 @52489 has 7 MA's), (11, 52498), (17, 52648), (18, 52654), (21, 52717),

Gene: Hemma_84 Start: 50184, Stop: 50447, Start Num: 8
Candidate Starts for Hemma_84:
(3, 50112), (5, 50127), (Start: 8 @50184 has 1 MA's), (9, 50208), (17, 50373), (19, 50388),

Gene: MediumFry_80 Start: 51926, Stop: 52177, Start Num: 6
Candidate Starts for MediumFry_80:
(Start: 6 @51926 has 1 MA's), (15, 52037), (17, 52103), (21, 52172),

Gene: Nightmare_85 Start: 53443, Stop: 53676, Start Num: 10
Candidate Starts for Nightmare_85:
(Start: 10 @53443 has 7 MA's), (14, 53533), (17, 53602), (18, 53608),

Gene: Nivinsha_85 Start: 52619, Stop: 52852, Start Num: 10
Candidate Starts for Nivinsha_85:
(Start: 10 @52619 has 7 MA's), (11, 52628), (14, 52709), (17, 52778), (18, 52784), (21, 52847),

Gene: ScienceWizSam_86 Start: 52662, Stop: 52895, Start Num: 10
Candidate Starts for ScienceWizSam_86:
(Start: 10 @52662 has 7 MA's), (14, 52752), (17, 52821), (18, 52827), (21, 52890),

Gene: Tatanka_78 Start: 52400, Stop: 52633, Start Num: 10
Candidate Starts for Tatanka_78:
(Start: 10 @52400 has 7 MA's), (14, 52490), (17, 52559), (18, 52565), (21, 52628),

Gene: Trustiboi_83 Start: 52849, Stop: 53082, Start Num: 10
Candidate Starts for Trustiboi_83:
(Start: 10 @52849 has 7 MA's), (12, 52897), (14, 52939), (17, 53008), (21, 53077),

Gene: Zippen_90 Start: 53188, Stop: 53424, Start Num: 10
Candidate Starts for Zippen_90:
(Start: 10 @53188 has 7 MA's), (14, 53281), (16, 53302), (20, 53371), (21, 53419),