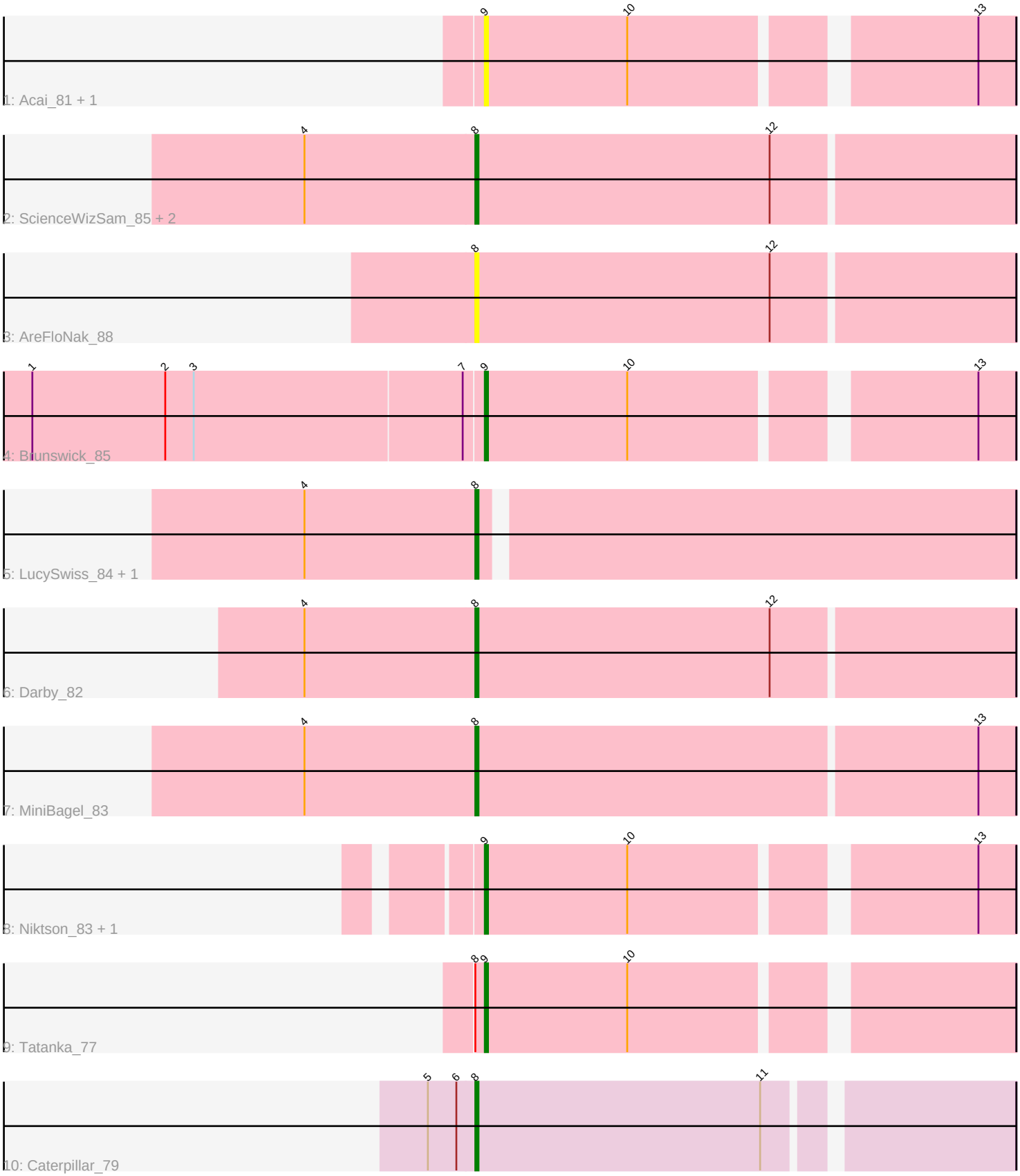
Pham 221883


9
10
13
1: Acai_81 + 1
4
8
12
2: ScienceWizSam_85 + 2
8
12
3: AreFloNak_88
1
2
3
7
9
10
13
4: Brunswick_85
4
8
5: LucySwiss_84 + 1
4
8
12
6: Darby_82
4
8
13
7: MiniBagel_83
9
10
13
8: Niktson_83 + 1
8
9
10
9: Tatanka_77
5
6
8
11
10: Caterpillar_79

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 221883 Report

This analysis was run 03/28/25 on database version 593.

Pham number 221883 has 15 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Acai_81, Issa_81
• Track 2 : ScienceWizSam_85, Trustiboi_82, DevitoJr_83
• Track 3 : AreFloNak_88
• Track 4 : Brunswick_85
• Track 5 : LucySwiss_84, CastorTray_87
• Track 6 : Darby_82
• Track 7 : MiniBagel_83
• Track 8 : Niktson_83, ElephantMan_83
• Track 9 : Tatanka_77
• Track 10 : Caterpillar_79

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

The start number called the most often in the published annotations is 8, it was called in 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AreFloNak_88, CastorTray_87, Caterpillar_79, Darby_82, DevitoJr_83, LucySwiss_84, MiniBagel_83, ScienceWizSam_85, Trustiboi_82,

Genes that have the "Most Annotated" start but do not call it:
• Tatanka_77,

Genes that do not have the "Most Annotated" start:
• Acai_81, Brunswick_85, ElephantMan_83, Issa_81, Niktson_83,

Summary by start number:

Start 8:
• Found in 10 of 15 (66.7%) of genes in pham
• Manual Annotations of this start: 7 of 11
• Called 90.0% of time when present
• Phage (with cluster) where this start called: AreFloNak_88 (AU1), CastorTray_87 (AU1), Caterpillar_79 (AU4), Darby_82 (AU1), DevitoJr_83 (AU1), LucySwiss_84

(AU1), MiniBagel_83 (AU1), ScienceWizSam_85 (AU1), Trustiboi_82 (AU1),

Start 9:
• Found in 6 of 15 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acai_81 (AU1), Brunswick_85 (AU1), ElephantMan_83 (AU1), Issa_81 (AU1), Niktson_83 (AU1), Tatanka_77 (AU1),

Summary by clusters:

There are 2 clusters represented in this pham: AU1, AU4,

Info for manual annotations of cluster AU1:
•Start number 8 was manually annotated 6 times for cluster AU1.
•Start number 9 was manually annotated 4 times for cluster AU1.

Info for manual annotations of cluster AU4:
•Start number 8 was manually annotated 1 time for cluster AU4.

Gene Information:

Gene: Acai_81 Start: 52359, Stop: 52514, Start Num: 9
Candidate Starts for Acai_81:
(Start: 9 @52359 has 4 MA's), (10, 52404), (13, 52503),

Gene: AreFloNak_88 Start: 52445, Stop: 52612, Start Num: 8
Candidate Starts for AreFloNak_88:
(Start: 8 @52445 has 7 MA's), (12, 52538),

Gene: Brunswick_85 Start: 52520, Stop: 52675, Start Num: 9
Candidate Starts for Brunswick_85:
(1, 52379), (2, 52421), (3, 52430), (7, 52514), (Start: 9 @52520 has 4 MA's), (10, 52565), (13, 52664),

Gene: CastorTray_87 Start: 53174, Stop: 53338, Start Num: 8
Candidate Starts for CastorTray_87:
(4, 53123), (Start: 8 @53174 has 7 MA's),

Gene: Caterpillar_79 Start: 51167, Stop: 51328, Start Num: 8
Candidate Starts for Caterpillar_79:
(5, 51155), (6, 51164), (Start: 8 @51167 has 7 MA's), (11, 51257),

Gene: Darby_82 Start: 52663, Stop: 52830, Start Num: 8
Candidate Starts for Darby_82:
(4, 52612), (Start: 8 @52663 has 7 MA's), (12, 52756),

Gene: DevitoJr_83 Start: 52322, Stop: 52489, Start Num: 8
Candidate Starts for DevitoJr_83:
(4, 52271), (Start: 8 @52322 has 7 MA's), (12, 52415),

Gene: ElephantMan_83 Start: 53050, Stop: 53205, Start Num: 9

Candidate Starts for ElephantMan_83:
(Start: 9 @53050 has 4 MA's), (10, 53095), (13, 53194),

Gene: Issa_81 Start: 51886, Stop: 52041, Start Num: 9
Candidate Starts for Issa_81:
(Start: 9 @51886 has 4 MA's), (10, 51931), (13, 52030),

Gene: LucySwiss_84 Start: 52577, Stop: 52741, Start Num: 8
Candidate Starts for LucySwiss_84:
(4, 52526), (Start: 8 @52577 has 7 MA's),

Gene: MiniBagel_83 Start: 52634, Stop: 52801, Start Num: 8
Candidate Starts for MiniBagel_83:
(4, 52580), (Start: 8 @52634 has 7 MA's), (13, 52790),

Gene: Niktson_83 Start: 53050, Stop: 53205, Start Num: 9
Candidate Starts for Niktson_83:
(Start: 9 @53050 has 4 MA's), (10, 53095), (13, 53194),

Gene: ScienceWizSam_85 Start: 52495, Stop: 52662, Start Num: 8
Candidate Starts for ScienceWizSam_85:
(4, 52444), (Start: 8 @52495 has 7 MA's), (12, 52588),

Gene: Tatanka_77 Start: 52245, Stop: 52400, Start Num: 9
Candidate Starts for Tatanka_77:
(Start: 8 @52242 has 7 MA's), (Start: 9 @52245 has 4 MA's), (10, 52290),

Gene: Trustiboi_82 Start: 52682, Stop: 52849, Start Num: 8
Candidate Starts for Trustiboi_82:
(4, 52631), (Start: 8 @52682 has 7 MA's), (12, 52775),