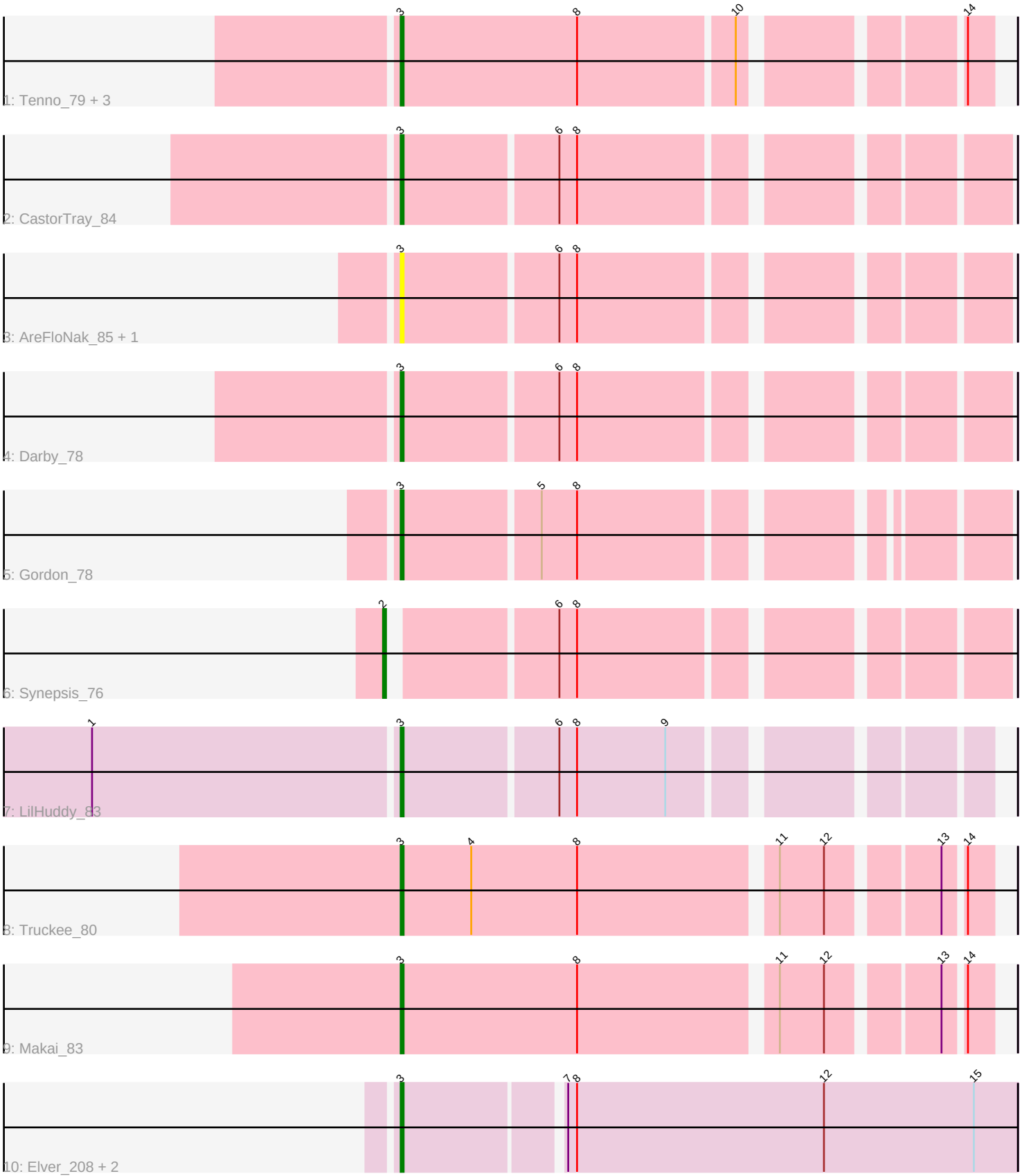
Pham 156747


3
8
10
14
1: Tenno_79 + 3
3
6
8
2: CastorTray_84
3
6
8
3: AreFloNak_85 + 1
3
6
8
4: Darby_78
3
5
8
5: Gordon_78
2
6
8
6: Synepsis_76
1
3
6
8
9
7: LilHuddy_83
3
4
8
11
12
13
14
8: Truckee_80
3
8
11
12
13
14
9: Makai_83
3
7
8
12
15
10: Elver_208 + 2

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 156747 Report

This analysis was run 04/28/24 on database version 559.

Pham number 156747 has 16 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Tenno_79, Issa_78, CapnMurica_76, MiniBagel_74
• Track 2 : CastorTray_84
• Track 3 : AreFloNak_85, Nivinsha_82
• Track 4 : Darby_78
• Track 5 : Gordon_78
• Track 6 : Synepsis_76
• Track 7 : LilHuddy_83
• Track 8 : Truckee_80
• Track 9 : Makai_83
• Track 10 : Elver_208, Paella_212, Qui_212

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AreFloNak_85, CapnMurica_76, CastorTray_84, Darby_78, Elver_208, Gordon_78, Issa_78, LilHuddy_83, Makai_83, MiniBagel_74, Nivinsha_82, Paella_212, Qui_212, Tenno_79, Truckee_80,

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

Genes that do not have the "Most Annotated" start:
• Synepsis_76,

Summary by start number:

Start 2:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Synepsis_76 (AU1),

Start 3:
• Found in 15 of 16 (93.8%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AreFloNak_85 (AU1), CapnMurica_76 (AU1), CastorTray_84 (AU1), Darby_78 (AU1), Elver_208 (FK), Gordon_78 (AU1), Issa_78 (AU1), LilHuddy_83 (AU2), Makai_83 (AU5), MiniBagel_74 (AU1), Nivinsha_82 (AU1), Paella_212 (FK), Qui_212 (FK), Tenno_79 (AU1), Truckee_80 (AU5),

Summary by clusters:

There are 4 clusters represented in this pham: AU1, AU2, FK, AU5,

Info for manual annotations of cluster AU1:
•Start number 2 was manually annotated 1 time for cluster AU1.
•Start number 3 was manually annotated 5 times for cluster AU1.

Info for manual annotations of cluster AU2:
•Start number 3 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU5:
•Start number 3 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster FK:
•Start number 3 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: AreFloNak_85 Start: 51430, Stop: 51615, Start Num: 3
Candidate Starts for AreFloNak_85:
(Start: 3 @51430 has 10 MA's), (6, 51481), (8, 51487),

Gene: CapnMurica_76 Start: 51657, Stop: 51839, Start Num: 3
Candidate Starts for CapnMurica_76:
(Start: 3 @51657 has 10 MA's), (8, 51717), (10, 51768), (14, 51831),

Gene: CastorTray_84 Start: 52198, Stop: 52383, Start Num: 3
Candidate Starts for CastorTray_84:
(Start: 3 @52198 has 10 MA's), (6, 52249), (8, 52255),

Gene: Darby_78 Start: 51244, Stop: 51429, Start Num: 3
Candidate Starts for Darby_78:
(Start: 3 @51244 has 10 MA's), (6, 51295), (8, 51301),

Gene: Elver_208 Start: 97960, Stop: 98163, Start Num: 3
Candidate Starts for Elver_208:
(Start: 3 @97960 has 10 MA's), (7, 98011), (8, 98014), (12, 98098), (15, 98149),

Gene: Gordon_78 Start: 51987, Stop: 52169, Start Num: 3

Candidate Starts for Gordon_78:
(Start: 3 @51987 has 10 MA's), (5, 52032), (8, 52044),

Gene: Issa_78 Start: 50728, Stop: 50910, Start Num: 3
Candidate Starts for Issa_78:
(Start: 3 @50728 has 10 MA's), (8, 50788), (10, 50839), (14, 50902),

Gene: LilHuddy_83 Start: 51535, Stop: 51714, Start Num: 3
Candidate Starts for LilHuddy_83:
(1, 51433), (Start: 3 @51535 has 10 MA's), (6, 51586), (8, 51592), (9, 51622),

Gene: Makai_83 Start: 52100, Stop: 52285, Start Num: 3
Candidate Starts for Makai_83:
(Start: 3 @52100 has 10 MA's), (8, 52160), (11, 52223), (12, 52238), (13, 52271), (14, 52277),

Gene: MiniBagel_74 Start: 51661, Stop: 51843, Start Num: 3
Candidate Starts for MiniBagel_74:
(Start: 3 @51661 has 10 MA's), (8, 51721), (10, 51772), (14, 51835),

Gene: Nivinsha_82 Start: 51431, Stop: 51616, Start Num: 3
Candidate Starts for Nivinsha_82:
(Start: 3 @51431 has 10 MA's), (6, 51482), (8, 51488),

Gene: Paella_212 Start: 98845, Stop: 99048, Start Num: 3
Candidate Starts for Paella_212:
(Start: 3 @98845 has 10 MA's), (7, 98896), (8, 98899), (12, 98983), (15, 99034),

Gene: Qui_212 Start: 98833, Stop: 99036, Start Num: 3
Candidate Starts for Qui_212:
(Start: 3 @98833 has 10 MA's), (7, 98884), (8, 98887), (12, 98971), (15, 99022),

Gene: Synepsis_76 Start: 51357, Stop: 51542, Start Num: 2
Candidate Starts for Synepsis_76:
(Start: 2 @51357 has 1 MA's), (6, 51408), (8, 51414),

Gene: Tenno_79 Start: 51694, Stop: 51876, Start Num: 3
Candidate Starts for Tenno_79:
(Start: 3 @51694 has 10 MA's), (8, 51754), (10, 51805), (14, 51868),

Gene: Truckee_80 Start: 51793, Stop: 51978, Start Num: 3
Candidate Starts for Truckee_80:
(Start: 3 @51793 has 10 MA's), (4, 51817), (8, 51853), (11, 51916), (12, 51931), (13, 51964), (14, 51970),