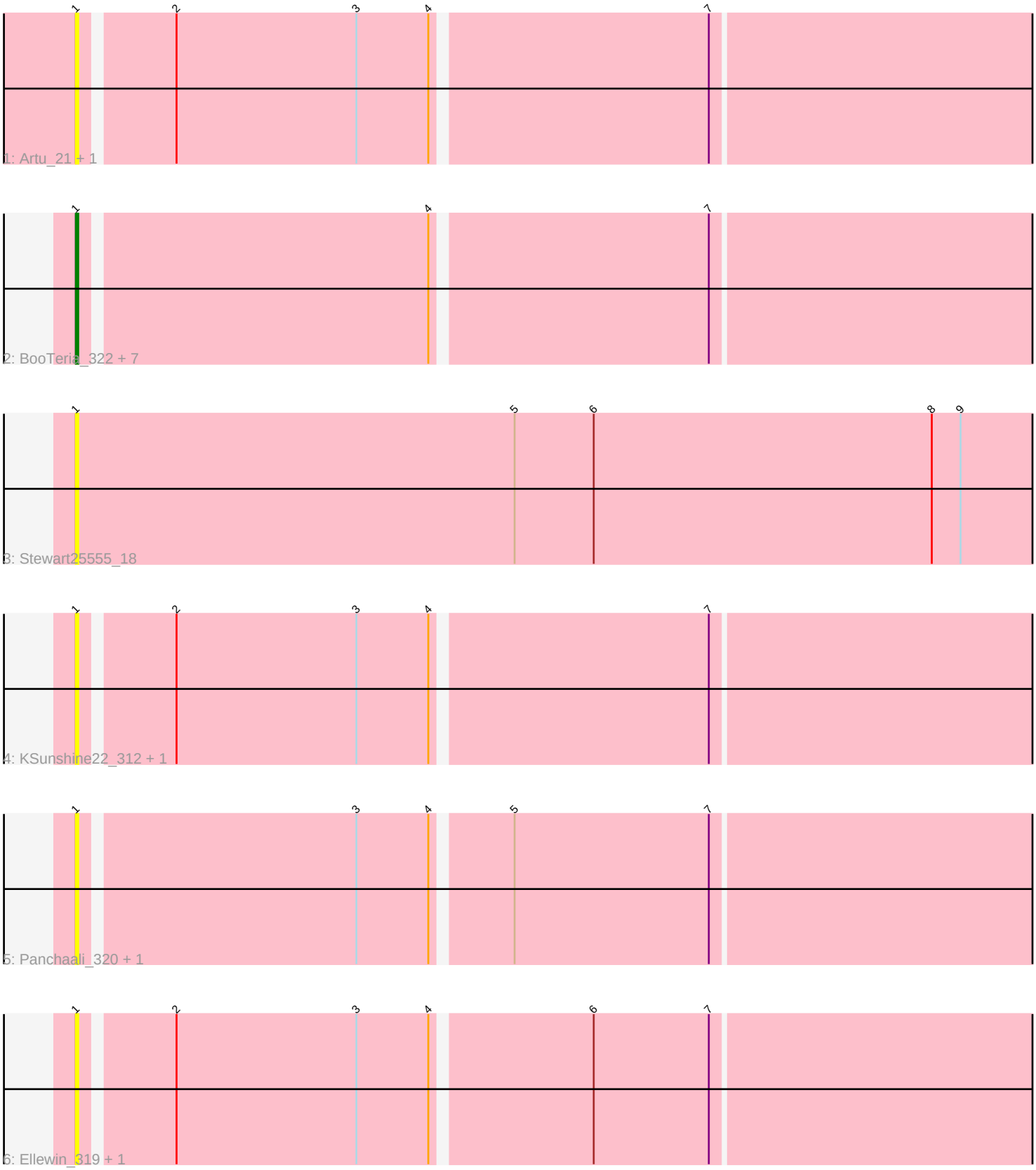
Pham 266857


1
2
3
4
7
1: Artu_21 + 1
1
4
7
2: BooTeria_322 + 7
1
5
6
8
9
3: Stewart25555_18
1
2
3
4
7
4: KSunshine22_312 + 1
1
3
4
5
7
5: Panchaali_320 + 1
1
2
3
4
6
7
6: Ellewin_319 + 1

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 266857 Report

This analysis was run 02/07/26 on database version 634.

Pham number 266857 has 17 members, 13 are drafts.

Phages represented in each track:
• Track 1 : Artu_21, Artu_308
• Track 2 : BooTeria_322, DunneganBoMo_20, Emmetator_20, BooTeria_23, DunneganBoMo_315, Emmetator_314, WaddleDee_310, WaddleDee_19
• Track 3 : Stewart25555_18
• Track 4 : KSunshine22_312, KSunshine22_20
• Track 5 : Panchaali_320, Panchaali_21
• Track 6 : Ellewin_319, Ellewin_20

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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_21, Artu_308, BooTeria_23, BooTeria_322, DunneganBoMo_20, DunneganBoMo_315, Ellewin_20, Ellewin_319, Emmetator_20, Emmetator_314, KSunshine22_20, KSunshine22_312, Panchaali_21, Panchaali_320, Stewart25555_18, WaddleDee_19, WaddleDee_310,

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 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_21 (FC), Artu_308 (FC), BooTeria_23 (FC), BooTeria_322 (FC), DunneganBoMo_20 (FC), DunneganBoMo_315 (FC), Ellewin_20 (FC), Ellewin_319 (FC), Emmetator_20 (FC),

Emmetator_314 (FC), KSunshine22_20 (FC), KSunshine22_312 (FC), Panchaali_21 (FC), Panchaali_320 (FC), Stewart25555_18 (FC), WaddleDee_19 (FC), WaddleDee_310 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 4 times for cluster FC.

Gene Information:

Gene: Artu_21 Start: 8712, Stop: 9125, Start Num: 1
Candidate Starts for Artu_21:
(Start: 1 @8712 has 4 MA's), (2, 8748), (3, 8823), (4, 8853), (7, 8964),

Gene: Artu_308 Start: 187866, Stop: 188279, Start Num: 1
Candidate Starts for Artu_308:
(Start: 1 @187866 has 4 MA's), (2, 187902), (3, 187977), (4, 188007), (7, 188118),

Gene: BooTeria_322 Start: 188150, Stop: 188563, Start Num: 1
Candidate Starts for BooTeria_322:
(Start: 1 @188150 has 4 MA's), (4, 188291), (7, 188402),

Gene: BooTeria_23 Start: 9241, Stop: 9654, Start Num: 1
Candidate Starts for BooTeria_23:
(Start: 1 @9241 has 4 MA's), (4, 9382), (7, 9493),

Gene: DunneganBoMo_20 Start: 9227, Stop: 9640, Start Num: 1
Candidate Starts for DunneganBoMo_20:
(Start: 1 @9227 has 4 MA's), (4, 9368), (7, 9479),

Gene: DunneganBoMo_315 Start: 188639, Stop: 189052, Start Num: 1
Candidate Starts for DunneganBoMo_315:
(Start: 1 @188639 has 4 MA's), (4, 188780), (7, 188891),

Gene: Ellewin_319 Start: 188153, Stop: 188566, Start Num: 1
Candidate Starts for Ellewin_319:
(Start: 1 @188153 has 4 MA's), (2, 188189), (3, 188264), (4, 188294), (6, 188357), (7, 188405),

Gene: Ellewin_20 Start: 9039, Stop: 9452, Start Num: 1
Candidate Starts for Ellewin_20:
(Start: 1 @9039 has 4 MA's), (2, 9075), (3, 9150), (4, 9180), (6, 9243), (7, 9291),

Gene: Emmetator_20 Start: 9076, Stop: 9489, Start Num: 1
Candidate Starts for Emmetator_20:
(Start: 1 @9076 has 4 MA's), (4, 9217), (7, 9328),

Gene: Emmetator_314 Start: 187376, Stop: 187789, Start Num: 1
Candidate Starts for Emmetator_314:

(Start: 1 @187376 has 4 MA's), (4, 187517), (7, 187628),

Gene: KSunshine22_312 Start: 186467, Stop: 186880, Start Num: 1
Candidate Starts for KSunshine22_312:
(Start: 1 @186467 has 4 MA's), (2, 186503), (3, 186578), (4, 186608), (7, 186719),

Gene: KSunshine22_20 Start: 9566, Stop: 9979, Start Num: 1
Candidate Starts for KSunshine22_20:
(Start: 1 @9566 has 4 MA's), (2, 9602), (3, 9677), (4, 9707), (7, 9818),

Gene: Panchaali_320 Start: 187715, Stop: 188128, Start Num: 1
Candidate Starts for Panchaali_320:
(Start: 1 @187715 has 4 MA's), (3, 187826), (4, 187856), (5, 187886), (7, 187967),

Gene: Panchaali_21 Start: 8657, Stop: 9070, Start Num: 1
Candidate Starts for Panchaali_21:
(Start: 1 @8657 has 4 MA's), (3, 8768), (4, 8798), (5, 8828), (7, 8909),

Gene: Stewart25555_18 Start: 8845, Stop: 9264, Start Num: 1
Candidate Starts for Stewart25555_18:
(Start: 1 @8845 has 4 MA's), (5, 9028), (6, 9061), (8, 9202), (9, 9214),

Gene: WaddleDee_310 Start: 187167, Stop: 187580, Start Num: 1
Candidate Starts for WaddleDee_310:
(Start: 1 @187167 has 4 MA's), (4, 187308), (7, 187419),

Gene: WaddleDee_19 Start: 8972, Stop: 9385, Start Num: 1
Candidate Starts for WaddleDee_19:
(Start: 1 @8972 has 4 MA's), (4, 9113), (7, 9224),