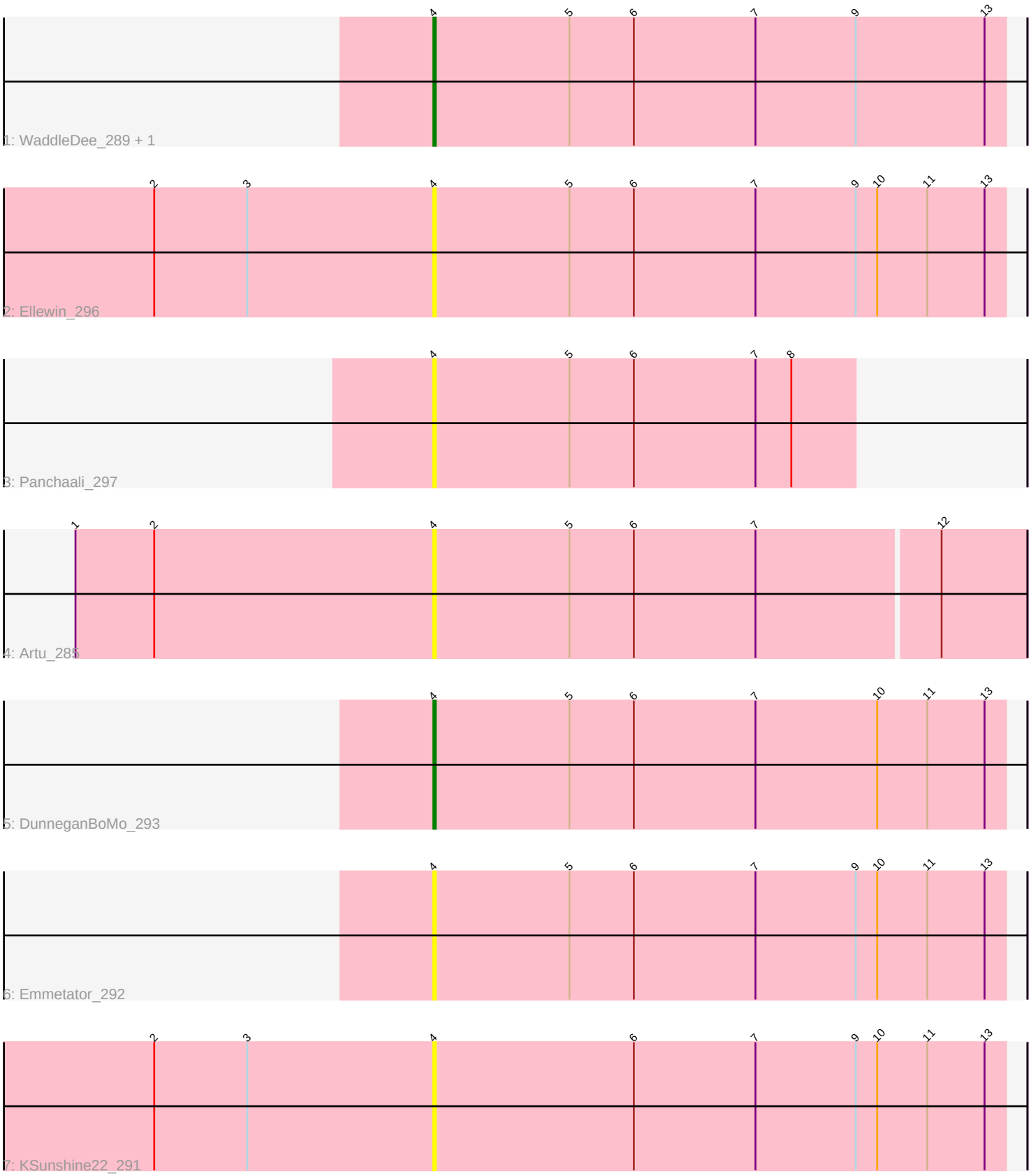
Pham 270248


4
5
6
7
9
13
1: WaddleDee_289 + 1
2
3
4
5
6
7
9
10
11
13
2: Ellewin_296
4
5
6
7
8
3: Panchaali_297
1
2
4
5
6
7
12
4: Artu_285
4
5
6
7
10
11
13
5: DunneganBoMo_293
4
5
6
7
9
10
11
13
6: Emmetator_292
2
3
4
6
7
9
10
11
13
7: KSunshine22_291

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 270248 Report

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

Pham number 270248 has 8 members, 6 are drafts.

Phages represented in each track:
• Track 1 : WaddleDee_289, BooTeria_297
• Track 2 : Ellewin_296
• Track 3 : Panchaali_297
• Track 4 : Artu_285
• Track 5 : DunneganBoMo_293
• Track 6 : Emmetator_292
• Track 7 : KSunshine22_291

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

The start number called the most often in the published annotations is 4, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_285, BooTeria_297, DunneganBoMo_293, Ellewin_296, Emmetator_292, KSunshine22_291, Panchaali_297, WaddleDee_289,

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 4:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_285 (FC), BooTeria_297 (FC), DunneganBoMo_293 (FC), Ellewin_296 (FC), Emmetator_292 (FC), KSunshine22_291 (FC), Panchaali_297 (FC), WaddleDee_289 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 4 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Artu_285 Start: 177945, Stop: 178190, Start Num: 4
Candidate Starts for Artu_285:
(1, 177795), (2, 177828), (Start: 4 @177945 has 2 MA's), (5, 178002), (6, 178029), (7, 178080), (12, 178155),

Gene: BooTeria_297 Start: 177798, Stop: 178037, Start Num: 4
Candidate Starts for BooTeria_297:
(Start: 4 @177798 has 2 MA's), (5, 177855), (6, 177882), (7, 177933), (9, 177975), (13, 178029),

Gene: DunneganBoMo_293 Start: 178301, Stop: 178540, Start Num: 4
Candidate Starts for DunneganBoMo_293:
(Start: 4 @178301 has 2 MA's), (5, 178358), (6, 178385), (7, 178436), (10, 178487), (11, 178508), (13, 178532),

Gene: Ellewin_296 Start: 177698, Stop: 177937, Start Num: 4
Candidate Starts for Ellewin_296:
(2, 177581), (3, 177620), (Start: 4 @177698 has 2 MA's), (5, 177755), (6, 177782), (7, 177833), (9, 177875), (10, 177884), (11, 177905), (13, 177929),

Gene: Emmetator_292 Start: 177189, Stop: 177428, Start Num: 4
Candidate Starts for Emmetator_292:
(Start: 4 @177189 has 2 MA's), (5, 177246), (6, 177273), (7, 177324), (9, 177366), (10, 177375), (11, 177396), (13, 177420),

Gene: KSunshine22_291 Start: 176355, Stop: 176594, Start Num: 4
Candidate Starts for KSunshine22_291:
(2, 176238), (3, 176277), (Start: 4 @176355 has 2 MA's), (6, 176439), (7, 176490), (9, 176532), (10, 176541), (11, 176562), (13, 176586),

Gene: Panchaali_297 Start: 177903, Stop: 178079, Start Num: 4
Candidate Starts for Panchaali_297:
(Start: 4 @177903 has 2 MA's), (5, 177960), (6, 177987), (7, 178038), (8, 178053),

Gene: WaddleDee_289 Start: 177084, Stop: 177323, Start Num: 4
Candidate Starts for WaddleDee_289:
(Start: 4 @177084 has 2 MA's), (5, 177141), (6, 177168), (7, 177219), (9, 177261), (13, 177315),