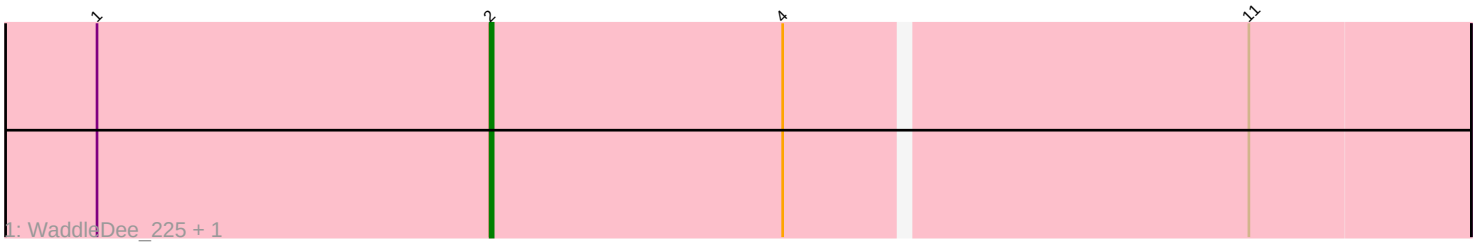
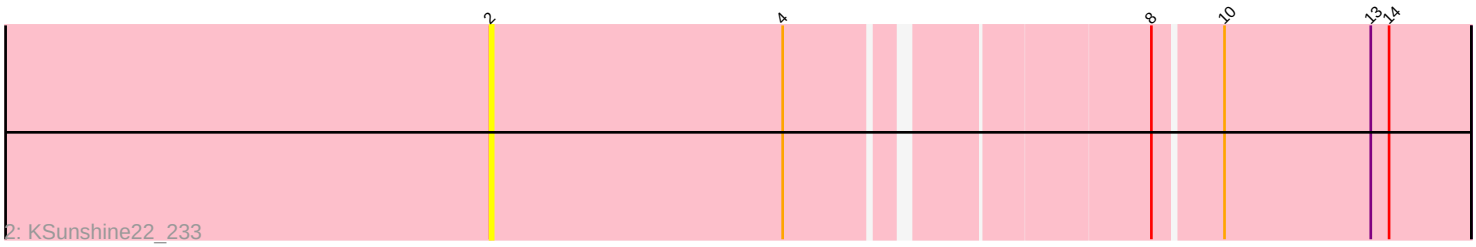
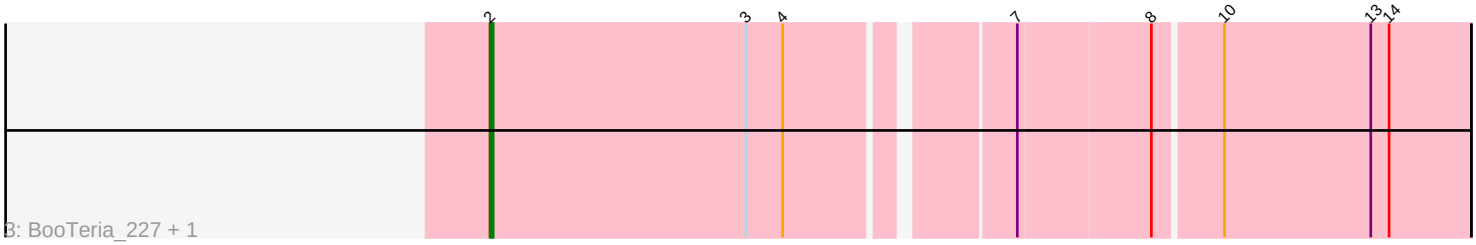
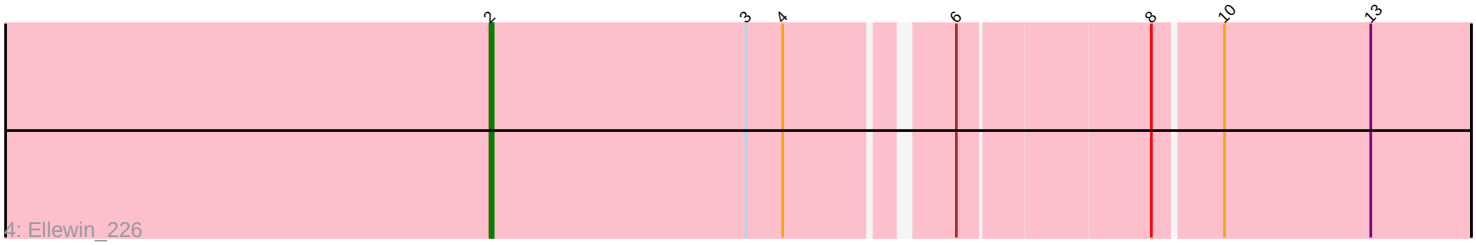
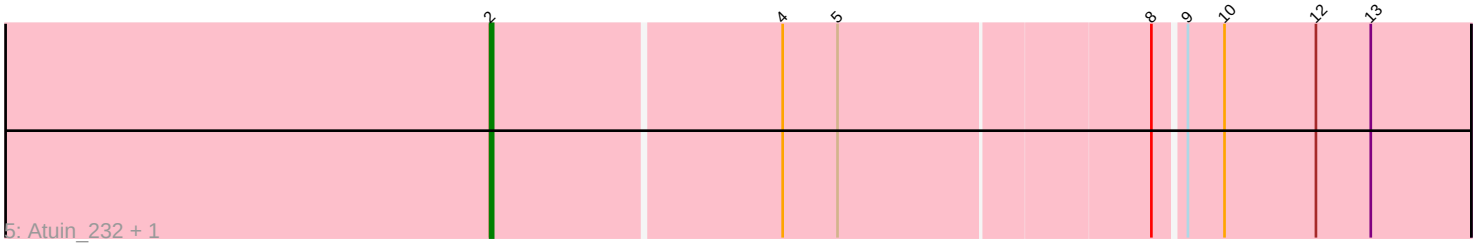
Pham 348289

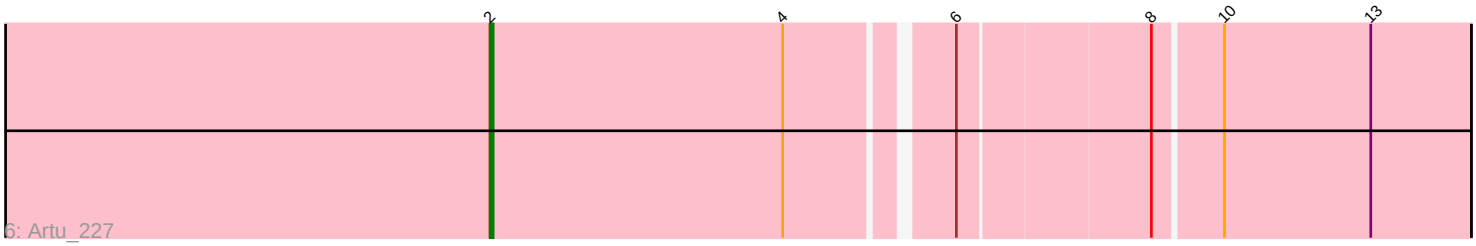

1
2
4
11
1: WaddleDee_225 + 1


2
4
8
10
13
14
2: KSunshine22_233


2
3
4
7
8
10
13
14
3: BooTeria_227 + 1


2
3
4
6
8
10
13
4: Ellewin_226


2
4
5
8
9
10
12
13
5: Atuin_232 + 1


2
4
6
8
10
13
6: Artu_227

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 348289 Report

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

Pham number 348289 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : WaddleDee_225, DunneganBoMo_229
• Track 2 : KSunshine22_233
• Track 3 : BooTeria_227, Emmetator_230
• Track 4 : Ellewin_226
• Track 5 : Atuin_232, ReginaGlobina_242
• Track 6 : Artu_227

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_227, Atuin_232, BooTeria_227, DunneganBoMo_229, Ellewin_226, Emmetator_230, KSunshine22_233, ReginaGlobina_242, WaddleDee_225,

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 2:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_227 (FC), Atuin_232 (FC), BooTeria_227 (FC), DunneganBoMo_229 (FC), Ellewin_226 (FC), Emmetator_230 (FC), KSunshine22_233 (FC), ReginaGlobina_242 (FC), WaddleDee_225 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 6 times for cluster FC.

Gene Information:

Gene: Artu_227 Start: 157120, Stop: 157425, Start Num: 2
Candidate Starts for Artu_227:
(Start: 2 @157120 has 6 MA's), (4, 157216), (6, 157264), (8, 157324), (10, 157345), (13, 157393),

Gene: Atuin_232 Start: 154446, Stop: 154757, Start Num: 2
Candidate Starts for Atuin_232:
(Start: 2 @154446 has 6 MA's), (4, 154539), (5, 154557), (8, 154656), (9, 154665), (10, 154677), (12, 154707), (13, 154725),

Gene: BooTeria_227 Start: 156713, Stop: 157018, Start Num: 2
Candidate Starts for BooTeria_227:
(Start: 2 @156713 has 6 MA's), (3, 156797), (4, 156809), (7, 156875), (8, 156917), (10, 156938), (13, 156986), (14, 156992),

Gene: DunneganBoMo_229 Start: 156447, Stop: 156761, Start Num: 2
Candidate Starts for DunneganBoMo_229:
(1, 156318), (Start: 2 @156447 has 6 MA's), (4, 156543), (11, 156690),

Gene: Ellewin_226 Start: 155268, Stop: 155573, Start Num: 2
Candidate Starts for Ellewin_226:
(Start: 2 @155268 has 6 MA's), (3, 155352), (4, 155364), (6, 155412), (8, 155472), (10, 155493), (13, 155541),

Gene: Emmetator_230 Start: 155593, Stop: 155898, Start Num: 2
Candidate Starts for Emmetator_230:
(Start: 2 @155593 has 6 MA's), (3, 155677), (4, 155689), (7, 155755), (8, 155797), (10, 155818), (13, 155866), (14, 155872),

Gene: KSunshine22_233 Start: 155125, Stop: 155430, Start Num: 2
Candidate Starts for KSunshine22_233:
(Start: 2 @155125 has 6 MA's), (4, 155221), (8, 155329), (10, 155350), (13, 155398), (14, 155404),

Gene: ReginaGlobina_242 Start: 155191, Stop: 155502, Start Num: 2
Candidate Starts for ReginaGlobina_242:
(Start: 2 @155191 has 6 MA's), (4, 155284), (5, 155302), (8, 155401), (9, 155410), (10, 155422), (12, 155452), (13, 155470),

Gene: WaddleDee_225 Start: 155272, Stop: 155586, Start Num: 2
Candidate Starts for WaddleDee_225:
(1, 155143), (Start: 2 @155272 has 6 MA's), (4, 155368), (11, 155515),