Pham 268666

1: Emmetator_227 + 1

2: Panchaali_237

3: WaddleDee_222

4: Ellewin_231

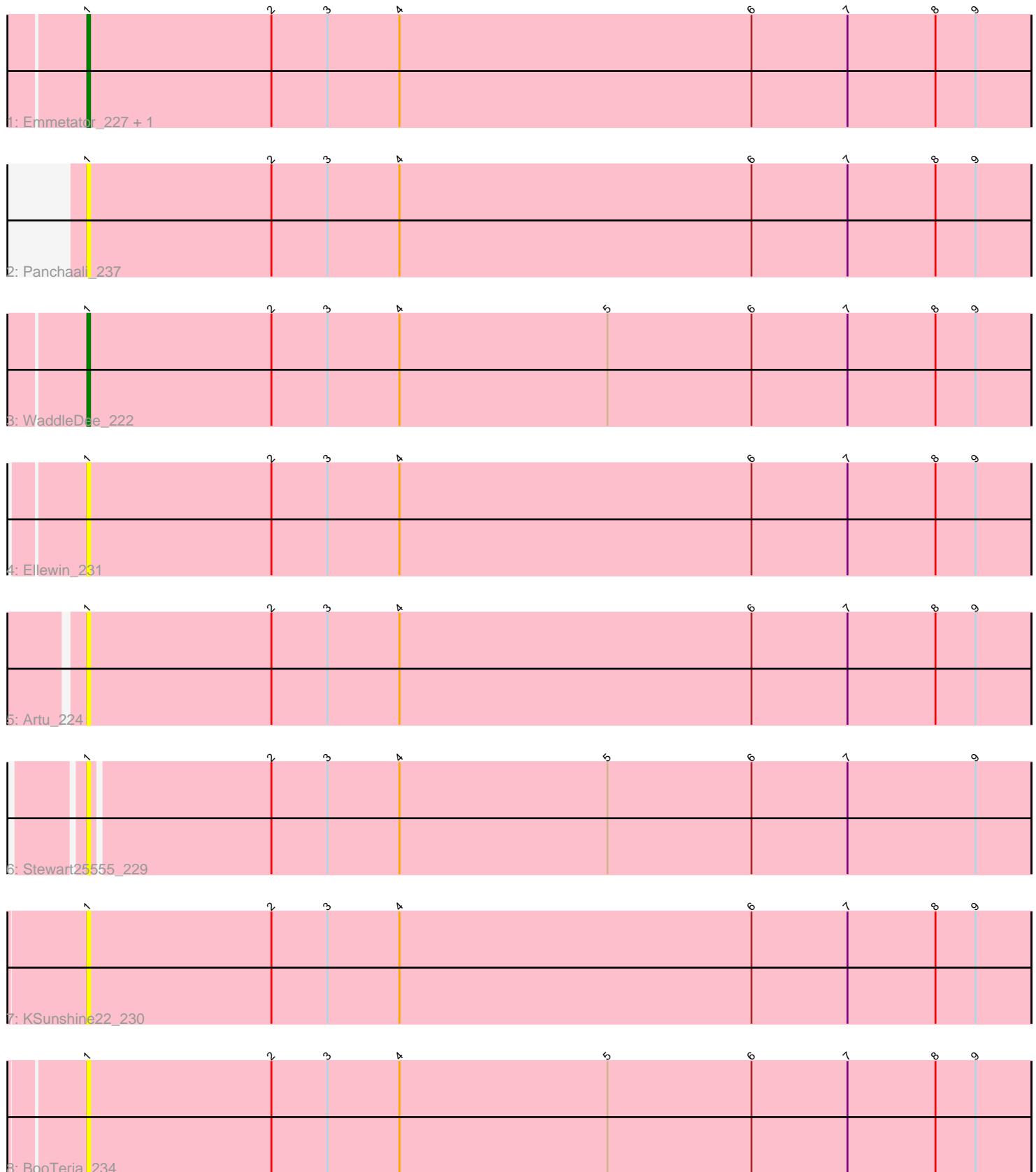5: Artu_224

6: Stewart25555_229

7: KSunshine22_230

8: BooTeria_234

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 268666 Report

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

Pham number 268666 has 9 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Emmetator_227, DunneganBoMo_226
• Track 2 : Panchaali_237
• Track 3 : WaddleDee_222
• Track 4 : Ellewin_231
• Track 5 : Artu_224
• Track 6 : Stewart25555_229
• Track 7 : KSunshine22_230
• Track 8 : BooTeria_234

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_224, BooTeria_234, DunneganBoMo_226, Ellewin_231, Emmetator_227, KSunshine22_230, Panchaali_237, Stewart25555_229, WaddleDee_222,

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 9 of 9 (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_224 (FC), BooTeria_234 (FC), DunneganBoMo_226 (FC), Ellewin_231 (FC), Emmetator_227 (FC), KSunshine22_230 (FC), Panchaali_237 (FC), Stewart25555_229 (FC), WaddleDee_222 (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 2 times for cluster FC.

Gene Information:

Gene: Artu_224 Start: 156095, Stop: 156448, Start Num: 1
Candidate Starts for Artu_224:
(Start: 1 @156095 has 2 MA's), (2, 156164), (3, 156185), (4, 156212), (6, 156344), (7, 156380), (8, 156413), (9, 156428),

Gene: BooTeria_234 Start: 155925, Stop: 156278, Start Num: 1
Candidate Starts for BooTeria_234:
(Start: 1 @155925 has 2 MA's), (2, 155994), (3, 156015), (4, 156042), (5, 156120), (6, 156174), (7, 156210), (8, 156243), (9, 156258),

Gene: DunneganBoMo_226 Start: 155428, Stop: 155781, Start Num: 1
Candidate Starts for DunneganBoMo_226:
(Start: 1 @155428 has 2 MA's), (2, 155497), (3, 155518), (4, 155545), (6, 155677), (7, 155713), (8, 155746), (9, 155761),

Gene: Ellewin_231 Start: 154702, Stop: 155055, Start Num: 1
Candidate Starts for Ellewin_231:
(Start: 1 @154702 has 2 MA's), (2, 154771), (3, 154792), (4, 154819), (6, 154951), (7, 154987), (8, 155020), (9, 155035),

Gene: Emmetator_227 Start: 154568, Stop: 154921, Start Num: 1
Candidate Starts for Emmetator_227:
(Start: 1 @154568 has 2 MA's), (2, 154637), (3, 154658), (4, 154685), (6, 154817), (7, 154853), (8, 154886), (9, 154901),

Gene: KSunshine22_230 Start: 154100, Stop: 154453, Start Num: 1
Candidate Starts for KSunshine22_230:
(Start: 1 @154100 has 2 MA's), (2, 154169), (3, 154190), (4, 154217), (6, 154349), (7, 154385), (8, 154418), (9, 154433),

Gene: Panchaali_237 Start: 156131, Stop: 156484, Start Num: 1
Candidate Starts for Panchaali_237:
(Start: 1 @156131 has 2 MA's), (2, 156200), (3, 156221), (4, 156248), (6, 156380), (7, 156416), (8, 156449), (9, 156464),

Gene: Stewart25555_229 Start: 154481, Stop: 154831, Start Num: 1
Candidate Starts for Stewart25555_229:
(Start: 1 @154481 has 2 MA's), (2, 154547), (3, 154568), (4, 154595), (5, 154673), (6, 154727), (7, 154763), (9, 154811),

Gene: WaddleDee_222 Start: 154253, Stop: 154606, Start Num: 1

Candidate Starts for WaddleDee_222:
(Start: 1 @154253 has 2 MA's), (2, 154322), (3, 154343), (4, 154370), (5, 154448), (6, 154502), (7, 154538), (8, 154571), (9, 154586),