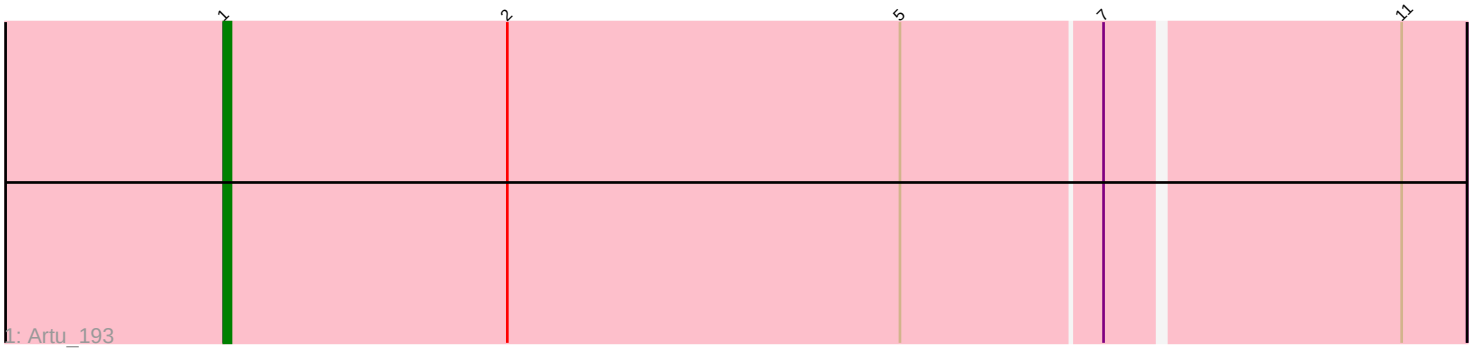
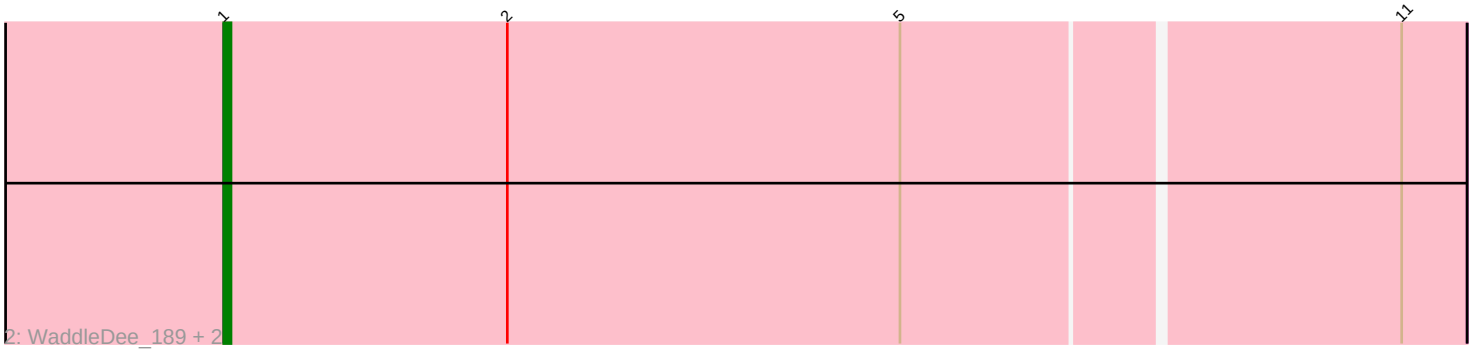
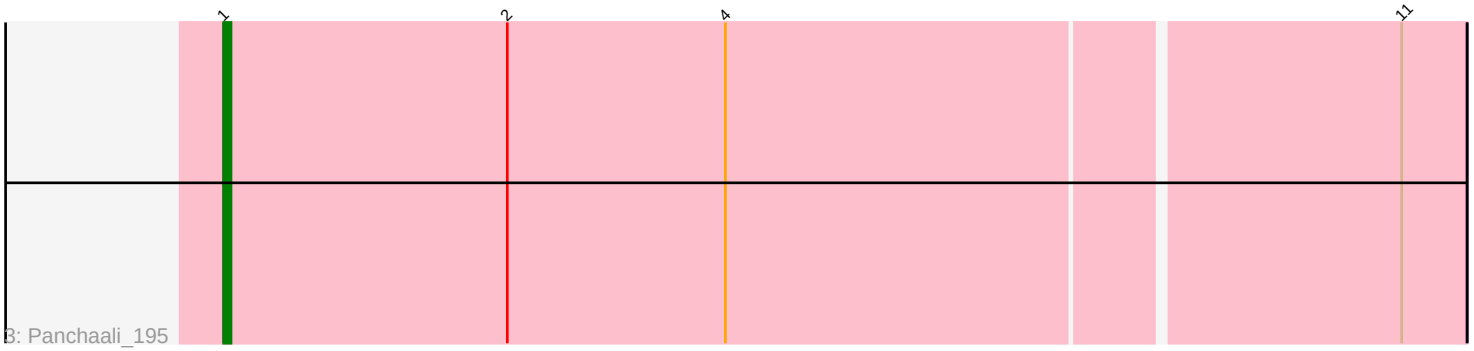
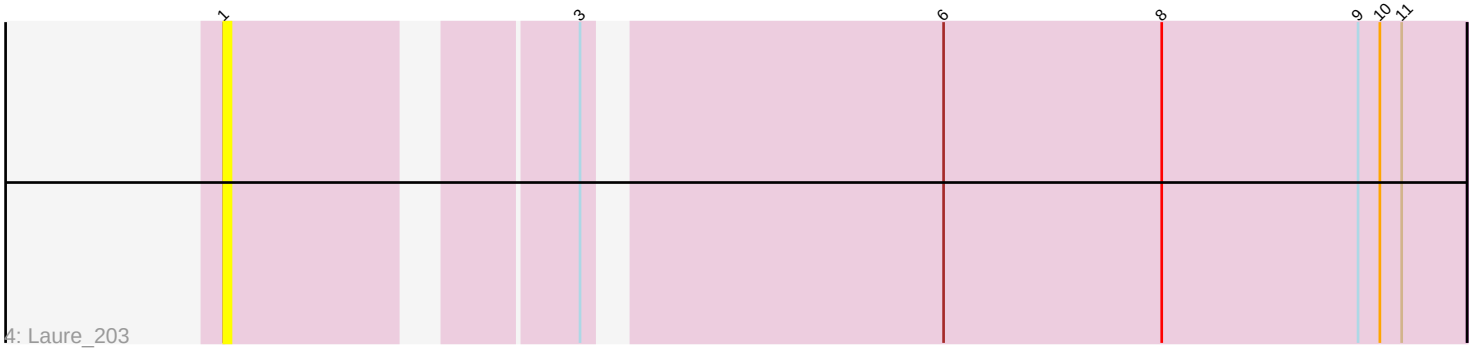
# Pham 346568


1
2
5
7
11
1: Artu_193


1
2
5
11
2: WaddleDee_189 + 2


1
2
4
11
3: Panchaali_195


1
3
6
8
9
10
11
4: Laure_203

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 346568 Report

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

Pham number 346568 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Artu_193
• Track 2 : WaddleDee_189, BooTeria_191, DunneganBoMo_193
• Track 3 : Panchaali_195
• Track 4 : Laure_203

***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 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_193, BooTeria_191, DunneganBoMo_193, Laure_203, Panchaali_195, WaddleDee_189,

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 6 of 6 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_193 (FC), BooTeria_191 (FC), DunneganBoMo_193 (FC), Laure_203 (UNK), Panchaali_195 (FC), WaddleDee_189 (FC),

**Summary by clusters:**

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 5 times for cluster FC.

### *Gene Information:*

Gene: Artu_193 Start: 144853, Stop: 145020, Start Num: 1
Candidate Starts for Artu_193:
(Start: 1 @144853 has 5 MA's), (2, 144892), (5, 144946), (7, 144973), (11, 145012),

Gene: BooTeria_191 Start: 144359, Stop: 144526, Start Num: 1
Candidate Starts for BooTeria_191:
(Start: 1 @144359 has 5 MA's), (2, 144398), (5, 144452), (11, 144518),

Gene: DunneganBoMo_193 Start: 143824, Stop: 143991, Start Num: 1
Candidate Starts for DunneganBoMo_193:
(Start: 1 @143824 has 5 MA's), (2, 143863), (5, 143917), (11, 143983),

Gene: Laure_203 Start: 128770, Stop: 128928, Start Num: 1
Candidate Starts for Laure_203:
(Start: 1 @128770 has 5 MA's), (3, 128812), (6, 128857), (8, 128887), (9, 128914), (10, 128917), (11, 128920),

Gene: Panchaali_195 Start: 144586, Stop: 144753, Start Num: 1
Candidate Starts for Panchaali_195:
(Start: 1 @144586 has 5 MA's), (2, 144625), (4, 144655), (11, 144745),

Gene: WaddleDee_189 Start: 142285, Stop: 142452, Start Num: 1
Candidate Starts for WaddleDee_189:
(Start: 1 @142285 has 5 MA's), (2, 142324), (5, 142378), (11, 142444),