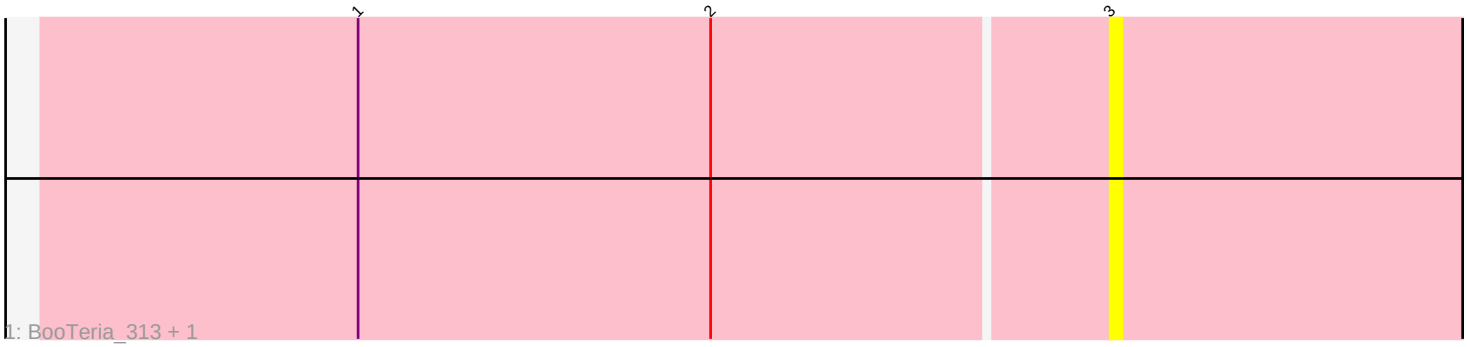
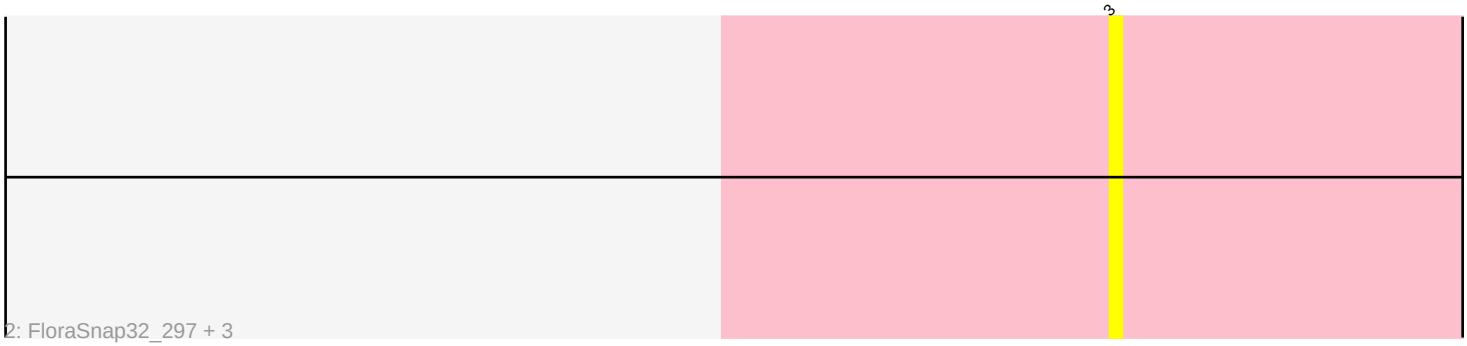
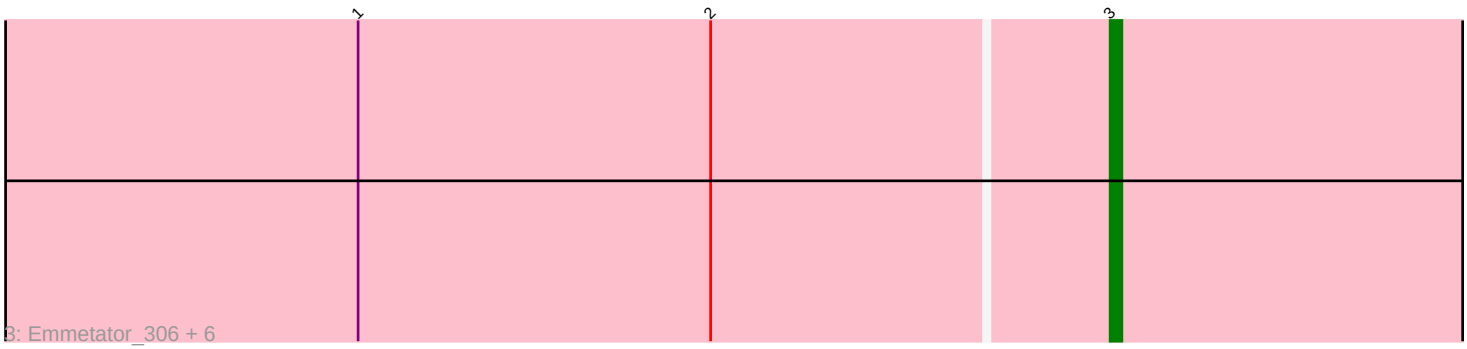
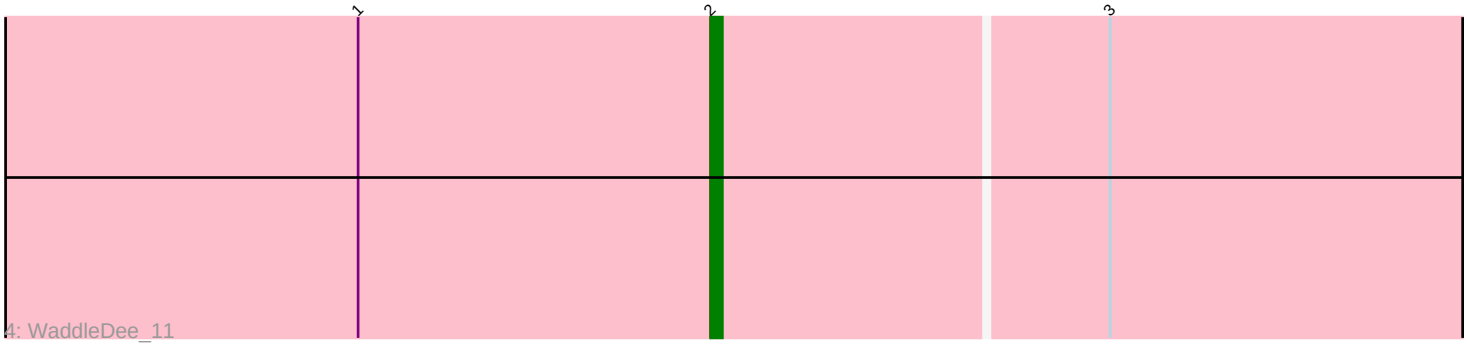
Pham 281009


1
2
3
1: BooTeria_313 + 1


3
2: FloraSnap32_297 + 3


1
2
3
3: Emmetator_306 + 6


1
2
3
4: WaddleDee_11

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 281009 Report

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

Pham number 281009 has 14 members, 10 are drafts.

Phages represented in each track:
• Track 1 : BooTeria_313, BooTeria_14
• Track 2 : FloraSnap32_297, Patbob_12, FloraSnap32_12, Patbob_302
• Track 3 : Emmetator_306, Artu_13, WaddleDee_302, DunneganBoMo_306, Emmetator_12, Artu_300, DunneganBoMo_11
• Track 4 : WaddleDee_11

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

The start number called the most often in the published annotations is 3, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_13, Artu_300, BooTeria_14, BooTeria_313, DunneganBoMo_11, DunneganBoMo_306, Emmetator_12, Emmetator_306, FloraSnap32_12, FloraSnap32_297, Patbob_12, Patbob_302, WaddleDee_302,

Genes that have the "Most Annotated" start but do not call it:
• WaddleDee_11,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 2:
• Found in 10 of 14 (71.4%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 10.0% of time when present
• Phage (with cluster) where this start called: WaddleDee_11 (FC),

Start 3:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 92.9% of time when present

• Phage (with cluster) where this start called: Artu_13 (FC), Artu_300 (FC), BooTeria_14 (FC), BooTeria_313 (FC), DunneganBoMo_11 (FC), DunneganBoMo_306 (FC), Emmetator_12 (FC), Emmetator_306 (FC), FloraSnap32_12 (FC), FloraSnap32_297 (FC), Patbob_12 (FC), Patbob_302 (FC), WaddleDee_302 (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 1 time for cluster FC.
•Start number 3 was manually annotated 3 times for cluster FC.

Gene Information:

Gene: Artu_13 Start: 5589, Stop: 5723, Start Num: 3
Candidate Starts for Artu_13:
(1, 5526), (Start: 2 @5556 has 1 MA's), (Start: 3 @5589 has 3 MA's),

Gene: Artu_300 Start: 184743, Stop: 184877, Start Num: 3
Candidate Starts for Artu_300:
(1, 184680), (Start: 2 @184710 has 1 MA's), (Start: 3 @184743 has 3 MA's),

Gene: BooTeria_313 Start: 184736, Stop: 184870, Start Num: 3
Candidate Starts for BooTeria_313:
(1, 184673), (Start: 2 @184703 has 1 MA's), (Start: 3 @184736 has 3 MA's),

Gene: BooTeria_14 Start: 5827, Stop: 5961, Start Num: 3
Candidate Starts for BooTeria_14:
(1, 5764), (Start: 2 @5794 has 1 MA's), (Start: 3 @5827 has 3 MA's),

Gene: DunneganBoMo_306 Start: 185250, Stop: 185384, Start Num: 3
Candidate Starts for DunneganBoMo_306:
(1, 185187), (Start: 2 @185217 has 1 MA's), (Start: 3 @185250 has 3 MA's),

Gene: DunneganBoMo_11 Start: 5838, Stop: 5972, Start Num: 3
Candidate Starts for DunneganBoMo_11:
(1, 5775), (Start: 2 @5805 has 1 MA's), (Start: 3 @5838 has 3 MA's),

Gene: Emmetator_306 Start: 184298, Stop: 184432, Start Num: 3
Candidate Starts for Emmetator_306:
(1, 184235), (Start: 2 @184265 has 1 MA's), (Start: 3 @184298 has 3 MA's),

Gene: Emmetator_12 Start: 5998, Stop: 6132, Start Num: 3
Candidate Starts for Emmetator_12:
(1, 5935), (Start: 2 @5965 has 1 MA's), (Start: 3 @5998 has 3 MA's),

Gene: FloraSnap32_297 Start: 180570, Stop: 180716, Start Num: 3
Candidate Starts for FloraSnap32_297:
(Start: 3 @180570 has 3 MA's),

Gene: FloraSnap32_12 Start: 6432, Stop: 6578, Start Num: 3
Candidate Starts for FloraSnap32_12:
(Start: 3 @6432 has 3 MA's),

Gene: Patbob_12 Start: 6476, Stop: 6622, Start Num: 3
Candidate Starts for Patbob_12:
(Start: 3 @6476 has 3 MA's),

Gene: Patbob_302 Start: 181935, Stop: 182081, Start Num: 3
Candidate Starts for Patbob_302:
(Start: 3 @181935 has 3 MA's),

Gene: WaddleDee_302 Start: 184033, Stop: 184167, Start Num: 3
Candidate Starts for WaddleDee_302:
(1, 183970), (Start: 2 @184000 has 1 MA's), (Start: 3 @184033 has 3 MA's),

Gene: WaddleDee_11 Start: 5805, Stop: 5972, Start Num: 2
Candidate Starts for WaddleDee_11:
(1, 5775), (Start: 2 @5805 has 1 MA's), (Start: 3 @5838 has 3 MA's),