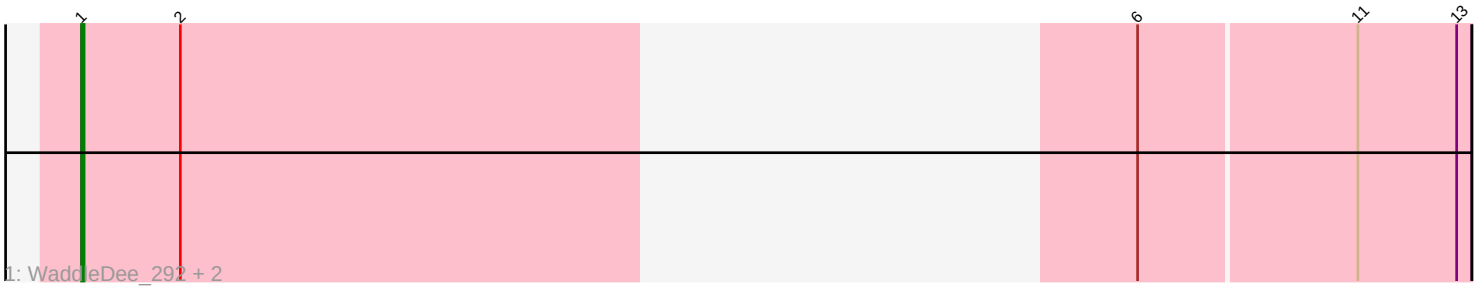
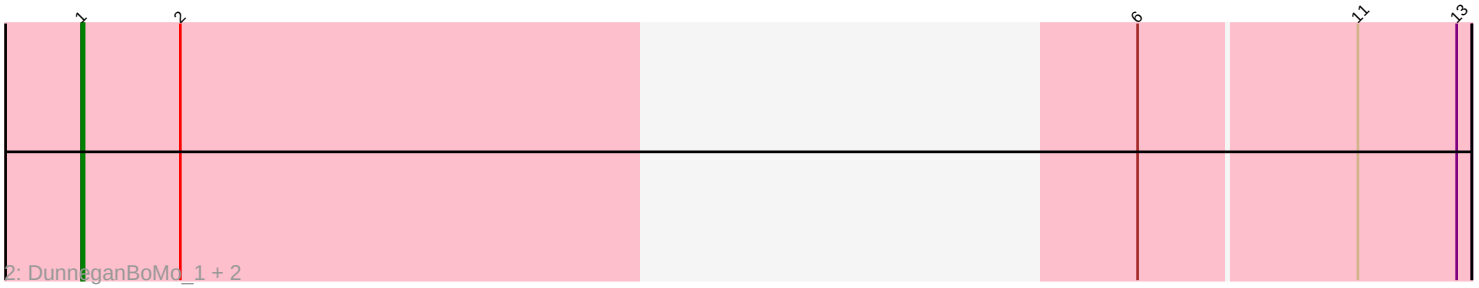
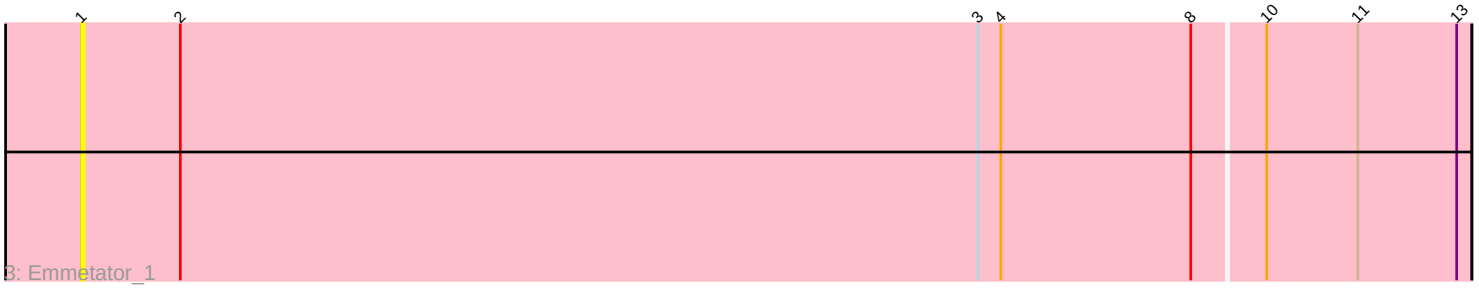
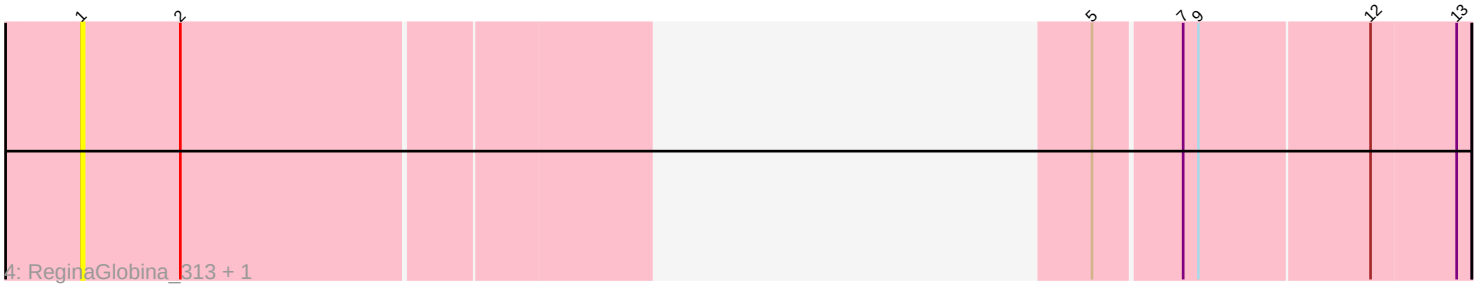
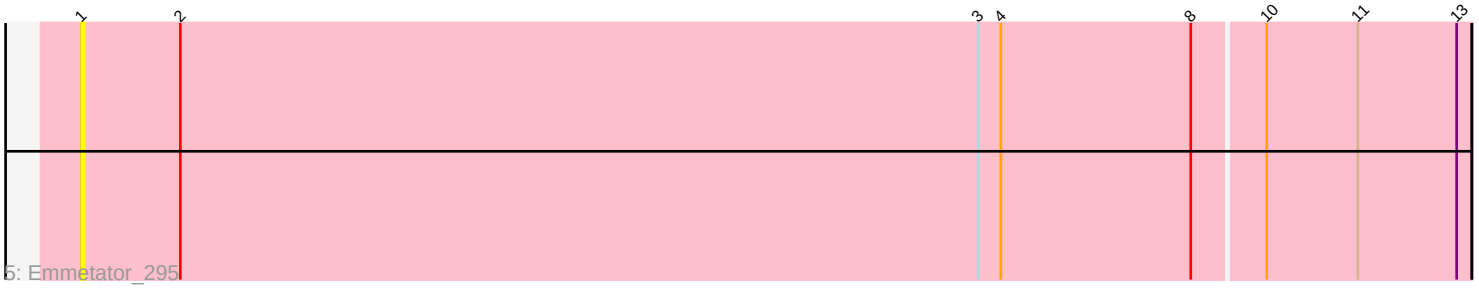
Pham 348241


1
2
6
11
13
1: WaddleDee_292 + 2


1
2
6
11
13
2: DunneganBoMd_1 + 2


1
2
3
4
8
10
11
13
3: Emmetator_1


1
2
5
7
9
12
13
4: ReginaGlobina_313 + 1


1
2
3
4
8
10
11
13
5: Emmetator_295

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 348241 Report

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

Pham number 348241 has 10 members, 4 are drafts.

Phages represented in each track:
• Track 1 : WaddleDee_292, BooTeria_290, DunneganBoMo_296
• Track 2 : DunneganBoMo_1, BooTeria_1, WaddleDee_1
• Track 3 : Emmetator_1
• Track 4 : ReginaGlobina_313, ReginaGlobina_2
• Track 5 : Emmetator_295

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BooTeria_1, BooTeria_290, DunneganBoMo_1, DunneganBoMo_296, Emmetator_1, Emmetator_295, ReginaGlobina_2, ReginaGlobina_313, WaddleDee_1, WaddleDee_292,

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 10 of 10 (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: BooTeria_1 (FC), BooTeria_290 (FC), DunneganBoMo_1 (FC), DunneganBoMo_296 (FC), Emmetator_1 (FC), Emmetator_295 (FC), ReginaGlobina_2 (FC), ReginaGlobina_313 (FC), WaddleDee_1 (FC), WaddleDee_292 (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 6 times for cluster FC.

Gene Information:

Gene: BooTeria_1 Start: 66, Stop: 452, Start Num: 1
Candidate Starts for BooTeria_1:
(Start: 1 @66 has 6 MA's), (2, 105), (6, 324), (11, 408), (13, 447),

Gene: BooTeria_290 Start: 178975, Stop: 179361, Start Num: 1
Candidate Starts for BooTeria_290:
(Start: 1 @178975 has 6 MA's), (2, 179014), (6, 179233), (11, 179317), (13, 179356),

Gene: DunneganBoMo_1 Start: 66, Stop: 452, Start Num: 1
Candidate Starts for DunneganBoMo_1:
(Start: 1 @66 has 6 MA's), (2, 105), (6, 324), (11, 408), (13, 447),

Gene: DunneganBoMo_296 Start: 179478, Stop: 179864, Start Num: 1
Candidate Starts for DunneganBoMo_296:
(Start: 1 @179478 has 6 MA's), (2, 179517), (6, 179736), (11, 179820), (13, 179859),

Gene: Emmetator_1 Start: 66, Stop: 611, Start Num: 1
Candidate Starts for Emmetator_1:
(Start: 1 @66 has 6 MA's), (2, 105), (3, 420), (4, 429), (8, 504), (10, 531), (11, 567), (13, 606),

Gene: Emmetator_295 Start: 178366, Stop: 178911, Start Num: 1
Candidate Starts for Emmetator_295:
(Start: 1 @178366 has 6 MA's), (2, 178405), (3, 178720), (4, 178729), (8, 178804), (10, 178831), (11, 178867), (13, 178906),

Gene: ReginaGlobina_313 Start: 178103, Stop: 178486, Start Num: 1
Candidate Starts for ReginaGlobina_313:
(Start: 1 @178103 has 6 MA's), (2, 178142), (5, 178343), (7, 178376), (9, 178382), (12, 178448), (13, 178481),

Gene: ReginaGlobina_2 Start: 656, Stop: 1039, Start Num: 1
Candidate Starts for ReginaGlobina_2:
(Start: 1 @656 has 6 MA's), (2, 695), (5, 896), (7, 929), (9, 935), (12, 1001), (13, 1034),

Gene: WaddleDee_292 Start: 178261, Stop: 178647, Start Num: 1
Candidate Starts for WaddleDee_292:
(Start: 1 @178261 has 6 MA's), (2, 178300), (6, 178519), (11, 178603), (13, 178642),

Gene: WaddleDee_1 Start: 66, Stop: 452, Start Num: 1
Candidate Starts for WaddleDee_1:
(Start: 1 @66 has 6 MA's), (2, 105), (6, 324), (11, 408), (13, 447),