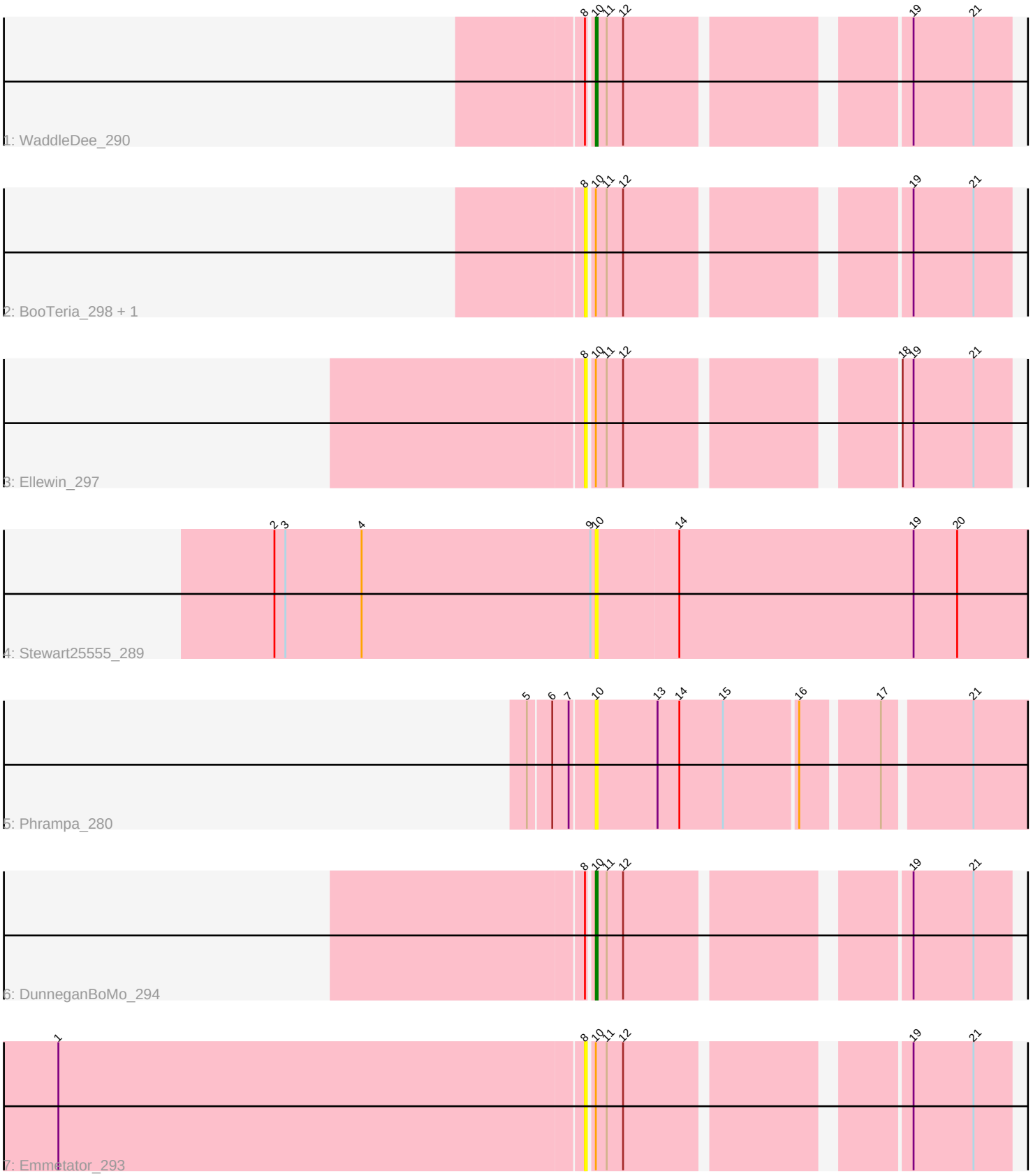
Pham 276857


8
10
11
12
19
21
1: WaddleDee_290
8
10
11
12
19
21
2: BooTeria_298 + 1
8
10
11
12
18
19
21
3: Ellewin_297
2
3
4
9
10
14
19
20
4: Stewart25555_289
5
6
7
10
13
14
15
16
17
21
5: Phrampa_280
8
10
11
12
19
21
6: DunneganBoMo_294
1
8
10
11
12
19
21
7: Emmetator_293

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 276857 Report

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

Pham number 276857 has 8 members, 6 are drafts.

Phages represented in each track:
• Track 1 : WaddleDee_290
• Track 2 : BooTeria_298, KSunshine22_292
• Track 3 : Ellewin_297
• Track 4 : Stewart25555_289
• Track 5 : Phrampa_280
• Track 6 : DunneganBoMo_294
• Track 7 : Emmetator_293

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

The start number called the most often in the published annotations is 10, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DunneganBoMo_294, Phrampa_280, Stewart25555_289, WaddleDee_290,

Genes that have the "Most Annotated" start but do not call it:
• BooTeria_298, Ellewin_297, Emmetator_293, KSunshine22_292,

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

Summary by start number:

Start 8:
• Found in 6 of 8 (75.0%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: BooTeria_298 (FC), Ellewin_297 (FC), Emmetator_293 (FC), KSunshine22_292 (FC),

Start 10:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 2

• Called 50.0% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_294 (FC), Phrampa_280 (FC), Stewart25555_289 (FC), WaddleDee_290 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 10 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: BooTeria_298 Start: 178034, Stop: 178243, Start Num: 8
Candidate Starts for BooTeria_298:
(8, 178034), (Start: 10 @178037 has 2 MA's), (11, 178043), (12, 178052), (19, 178190), (21, 178223),

Gene: DunneganBoMo_294 Start: 178540, Stop: 178746, Start Num: 10
Candidate Starts for DunneganBoMo_294:
(8, 178537), (Start: 10 @178540 has 2 MA's), (11, 178546), (12, 178555), (19, 178693), (21, 178726),

Gene: Ellewin_297 Start: 177934, Stop: 178143, Start Num: 8
Candidate Starts for Ellewin_297:
(8, 177934), (Start: 10 @177937 has 2 MA's), (11, 177943), (12, 177952), (18, 178084), (19, 178090), (21, 178123),

Gene: Emmetator_293 Start: 177425, Stop: 177634, Start Num: 8
Candidate Starts for Emmetator_293:
(1, 177140), (8, 177425), (Start: 10 @177428 has 2 MA's), (11, 177434), (12, 177443), (19, 177581), (21, 177614),

Gene: KSunshine22_292 Start: 176591, Stop: 176800, Start Num: 8
Candidate Starts for KSunshine22_292:
(8, 176591), (Start: 10 @176594 has 2 MA's), (11, 176600), (12, 176609), (19, 176747), (21, 176780),

Gene: Phrampa_280 Start: 174996, Stop: 175229, Start Num: 10
Candidate Starts for Phrampa_280:
(5, 174963), (6, 174975), (7, 174984), (Start: 10 @174996 has 2 MA's), (13, 175029), (14, 175041), (15, 175065), (16, 175104), (17, 175143), (21, 175188),

Gene: Stewart25555_289 Start: 176768, Stop: 177028, Start Num: 10
Candidate Starts for Stewart25555_289:
(2, 176591), (3, 176597), (4, 176639), (9, 176765), (Start: 10 @176768 has 2 MA's), (14, 176813), (19, 176942), (20, 176966),

Gene: WaddleDee_290 Start: 177323, Stop: 177529, Start Num: 10
Candidate Starts for WaddleDee_290:
(8, 177320), (Start: 10 @177323 has 2 MA's), (11, 177329), (12, 177338), (19, 177476), (21, 177509),