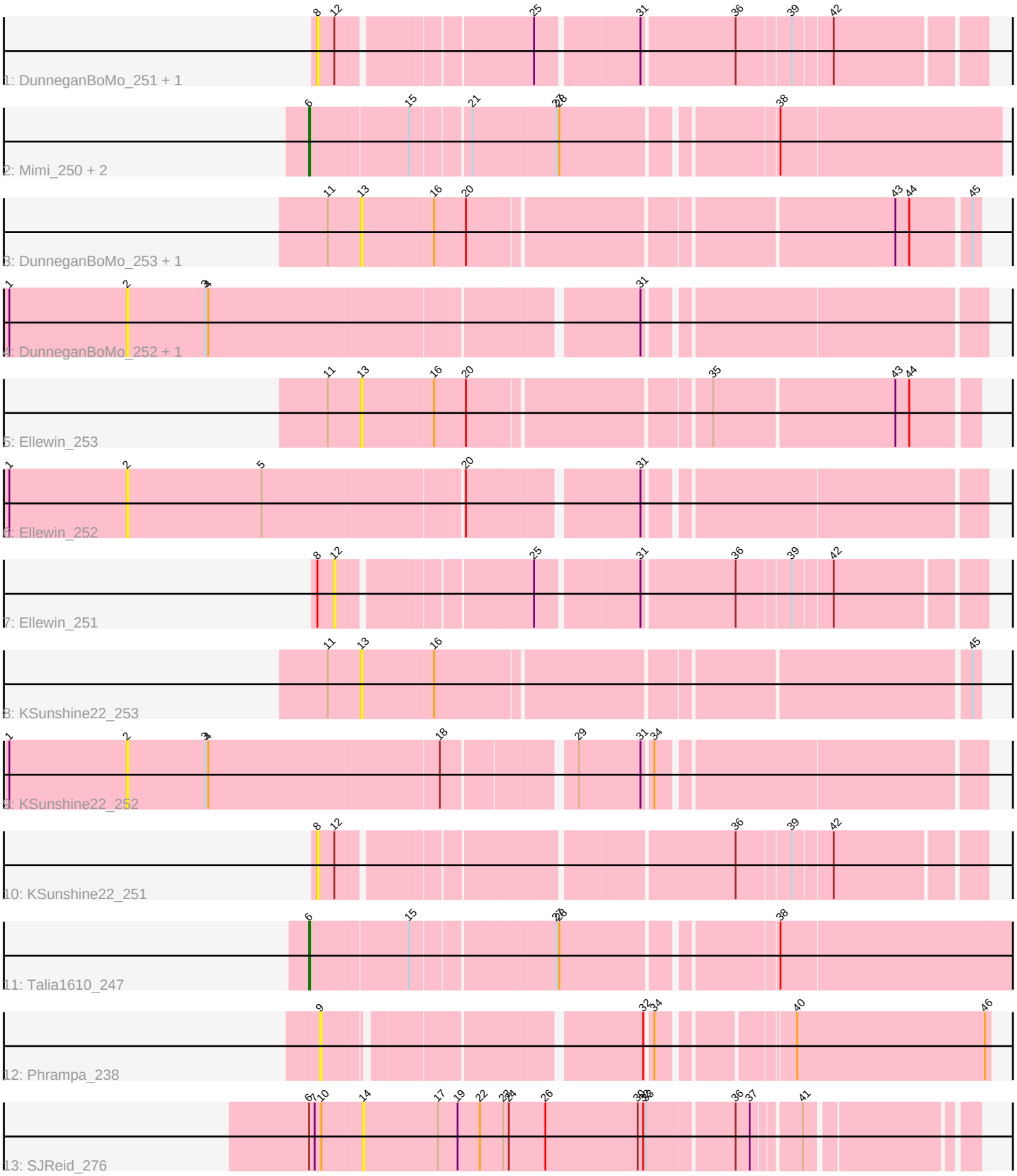
Pham 200706


1: DunneganBoMo_251 + 1
2: Mimi_250 + 2
3: DunneganBoMo_253 + 1
4: DunneganBoMo_252 + 1
5: Ellewin_253
6: Ellewin_252
7: Ellewin_251
8: KSunshine22_253
9: KSunshine22_252
10: KSunshine22_251
11: Talia1610_247
12: Phrampa_238
13: SJReid_276

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 200706 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200706 has 18 members, 16 are drafts.

Phages represented in each track:
• Track 1 : DunneganBoMo_251, WaddleDee_252
• Track 2 : Mimi_250, Bloom_249, Racecar_247
• Track 3 : DunneganBoMo_253, WaddleDee_254
• Track 4 : DunneganBoMo_252, WaddleDee_253
• Track 5 : Ellewin_253
• Track 6 : Ellewin_252
• Track 7 : Ellewin_251
• Track 8 : KSunshine22_253
• Track 9 : KSunshine22_252
• Track 10 : KSunshine22_251
• Track 11 : Talia1610_247
• Track 12 : Phrampa_238
• Track 13 : SJReid_276

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_249, Mimi_250, Racecar_247, Talia1610_247,

Genes that have the "Most Annotated" start but do not call it:
• SJReid_276,

Genes that do not have the "Most Annotated" start:
• DunneganBoMo_251, DunneganBoMo_252, DunneganBoMo_253, Ellewin_251, Ellewin_252, Ellewin_253, KSunshine22_251, KSunshine22_252, KSunshine22_253, Phrampa_238, WaddleDee_252, WaddleDee_253, WaddleDee_254,

Summary by start number:

Start 2:
• Found in 4 of 18 (22.2%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_252 (FC), Ellewin_252 (FC), KSunshine22_252 (FC), WaddleDee_253 (FC),

Start 6:
• Found in 5 of 18 (27.8%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Bloom_249 (FC), Mimi_250 (FC), Racecar_247 (FC), Talia1610_247 (FC),

Start 8:
• Found in 4 of 18 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 75.0% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_251 (FC), KSunshine22_251 (FC), WaddleDee_252 (FC),

Start 9:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrampa_238 (FC),

Start 12:
• Found in 4 of 18 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Ellewin_251 (FC),

Start 13:
• Found in 4 of 18 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_253 (FC), Ellewin_253 (FC), KSunshine22_253 (FC), WaddleDee_254 (FC),

Start 14:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SJReid_276 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 6 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Bloom_249 Start: 157954, Stop: 158643, Start Num: 6
Candidate Starts for Bloom_249:
(Start: 6 @157954 has 2 MA's), (15, 158056), (21, 158113), (27, 158197), (28, 158200), (38, 158410),

Gene: DunneganBoMo_251 Start: 161249, Stop: 161899, Start Num: 8
Candidate Starts for DunneganBoMo_251:
(8, 161249), (12, 161267), (25, 161456), (31, 161558), (36, 161654), (39, 161708), (42, 161747),

Gene: DunneganBoMo_253 Start: 162842, Stop: 163462, Start Num: 13
Candidate Starts for DunneganBoMo_253:
(11, 162806), (13, 162842), (16, 162917), (20, 162950), (43, 163379), (44, 163394), (45, 163454),

Gene: DunneganBoMo_252 Start: 161908, Stop: 162771, Start Num: 2
Candidate Starts for DunneganBoMo_252:
(1, 161782), (2, 161908), (3, 161992), (4, 161995), (31, 162430),

Gene: Ellewin_253 Start: 162663, Stop: 163283, Start Num: 13
Candidate Starts for Ellewin_253:
(11, 162627), (13, 162663), (16, 162738), (20, 162771), (35, 163011), (43, 163200), (44, 163215),

Gene: Ellewin_252 Start: 161729, Stop: 162592, Start Num: 2
Candidate Starts for Ellewin_252:
(1, 161603), (2, 161729), (5, 161873), (20, 162080), (31, 162251),

Gene: Ellewin_251 Start: 161088, Stop: 161720, Start Num: 12
Candidate Starts for Ellewin_251:
(8, 161070), (12, 161088), (25, 161277), (31, 161379), (36, 161475), (39, 161529), (42, 161568),

Gene: KSunshine22_253 Start: 162760, Stop: 163380, Start Num: 13
Candidate Starts for KSunshine22_253:
(11, 162724), (13, 162760), (16, 162835), (45, 163372),

Gene: KSunshine22_252 Start: 161829, Stop: 162689, Start Num: 2
Candidate Starts for KSunshine22_252:
(1, 161703), (2, 161829), (3, 161913), (4, 161916), (18, 162159), (29, 162282), (31, 162348), (34, 162357),

Gene: KSunshine22_251 Start: 161170, Stop: 161820, Start Num: 8
Candidate Starts for KSunshine22_251:
(8, 161170), (12, 161188), (36, 161575), (39, 161629), (42, 161668),

Gene: Mimi_250 Start: 157329, Stop: 158018, Start Num: 6
Candidate Starts for Mimi_250:
(Start: 6 @157329 has 2 MA's), (15, 157431), (21, 157488), (27, 157572), (28, 157575), (38, 157785),

Gene: Phrampa_238 Start: 158671, Stop: 159309, Start Num: 9
Candidate Starts for Phrampa_238:
(9, 158671), (32, 158974), (34, 158980), (40, 159103), (46, 159304),

Gene: Racecar_247 Start: 157708, Stop: 158397, Start Num: 6
Candidate Starts for Racecar_247:

(Start: 6 @157708 has 2 MA's), (15, 157810), (21, 157867), (27, 157951), (28, 157954), (38, 158164),

Gene: SJReid_276 Start: 159658, Stop: 160269, Start Num: 14
Candidate Starts for SJReid_276:
(Start: 6 @159604 has 2 MA's), (7, 159610), (10, 159616), (14, 159658), (17, 159736), (19, 159757), (22, 159781), (23, 159805), (24, 159811), (26, 159850), (30, 159949), (32, 159955), (33, 159958), (36, 160045), (37, 160060), (41, 160105),

Gene: Talia1610_247 Start: 157983, Stop: 158684, Start Num: 6
Candidate Starts for Talia1610_247:
(Start: 6 @157983 has 2 MA's), (15, 158085), (27, 158226), (28, 158229), (38, 158439),

Gene: WaddleDee_254 Start: 162375, Stop: 162995, Start Num: 13
Candidate Starts for WaddleDee_254:
(11, 162339), (13, 162375), (16, 162450), (20, 162483), (43, 162912), (44, 162927), (45, 162987),

Gene: WaddleDee_253 Start: 161441, Stop: 162304, Start Num: 2
Candidate Starts for WaddleDee_253:
(1, 161315), (2, 161441), (3, 161525), (4, 161528), (31, 161963),

Gene: WaddleDee_252 Start: 160782, Stop: 161432, Start Num: 8
Candidate Starts for WaddleDee_252:
(8, 160782), (12, 160800), (25, 160989), (31, 161091), (36, 161187), (39, 161241), (42, 161280),