Pham 281075


1
4
5
6
25
1: WaddleDee_243 + 1
11
12
17
21
31
32
33
35
2: Panchaali_254
12
14
29
31
32
33
3: Emmetator_245
4
5
6
19
25
4: Emmetator_246
1
4
10
19
25
5: Ellewin_252
3
25
27
28
6: Stewart25555_246
1
4
5
6
18
22
25
26
7: KSunshine22_252
1
4
5
6
19
25
8: BooTeria_253
1
4
5
6
19
22
25
9: Artu_246
2
4
7
8
9
13
15
16
20
21
23
24
26
30
34
35
36
10: Laure_289

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 281075 Report

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

Pham number 281075 has 11 members, 9 are drafts.

Phages represented in each track:
• Track 1 : WaddleDee_243, DunneganBoMo_245
• Track 2 : Panchaali_254
• Track 3 : Emmetator_245
• Track 4 : Emmetator_246
• Track 5 : Ellewin_252
• Track 6 : Stewart25555_246
• Track 7 : KSunshine22_252
• Track 8 : BooTeria_253
• Track 9 : Artu_246
• Track 10 : Laure_289

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

The start number called the most often in the published annotations is 4, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_246, BooTeria_253, DunneganBoMo_245, Ellewin_252, Emmetator_246, KSunshine22_252, WaddleDee_243,

Genes that have the "Most Annotated" start but do not call it:
• Laure_289,

Genes that do not have the "Most Annotated" start:
• Emmetator_245, Panchaali_254, Stewart25555_246,

Summary by start number:

Start 2:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Laure_289 (UNK),

Start 3:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stewart25555_246 (FC),

Start 4:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Artu_246 (FC), BooTeria_253 (FC), DunneganBoMo_245 (FC), Ellewin_252 (FC), Emmetator_246 (FC), KSunshine22_252 (FC), WaddleDee_243 (FC),

Start 12:
• Found in 2 of 11 (18.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emmetator_245 (FC), Panchaali_254 (FC),

Summary by clusters:

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

Info for manual annotations of cluster FC:
•Start number 4 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Artu_246 Start: 163824, Stop: 164687, Start Num: 4
Candidate Starts for Artu_246:
(1, 163698), (Start: 4 @163824 has 2 MA's), (5, 163908), (6, 163911), (19, 164175), (22, 164280), (25, 164346),

Gene: BooTeria_253 Start: 162323, Stop: 163186, Start Num: 4
Candidate Starts for BooTeria_253:
(1, 162197), (Start: 4 @162323 has 2 MA's), (5, 162407), (6, 162410), (19, 162674), (25, 162845),

Gene: DunneganBoMo_245 Start: 161908, Stop: 162771, Start Num: 4
Candidate Starts for DunneganBoMo_245:
(1, 161782), (Start: 4 @161908 has 2 MA's), (5, 161992), (6, 161995), (25, 162430),

Gene: Ellewin_252 Start: 161729, Stop: 162592, Start Num: 4
Candidate Starts for Ellewin_252:
(1, 161603), (Start: 4 @161729 has 2 MA's), (10, 161873), (19, 162080), (25, 162251),

Gene: Emmetator_245 Start: 160546, Stop: 161196, Start Num: 12
Candidate Starts for Emmetator_245:
(12, 160546), (14, 160564), (29, 160915), (31, 160951), (32, 161005), (33, 161044),

Gene: Emmetator_246 Start: 161205, Stop: 162068, Start Num: 4
Candidate Starts for Emmetator_246:
(Start: 4 @161205 has 2 MA's), (5, 161289), (6, 161292), (19, 161556), (25, 161727),

Gene: KSunshine22_252 Start: 161829, Stop: 162689, Start Num: 4
Candidate Starts for KSunshine22_252:
(1, 161703), (Start: 4 @161829 has 2 MA's), (5, 161913), (6, 161916), (18, 162159), (22, 162282), (25, 162348), (26, 162357),

Gene: Laure_289 Start: 157179, Stop: 158108, Start Num: 2
Candidate Starts for Laure_289:
(2, 157179), (Start: 4 @157206 has 2 MA's), (7, 157296), (8, 157299), (9, 157329), (13, 157422), (15, 157467), (16, 157491), (20, 157614), (21, 157641), (23, 157695), (24, 157728), (26, 157767), (30, 157836), (34, 157980), (35, 157983), (36, 158046),

Gene: Panchaali_254 Start: 160800, Stop: 161456, Start Num: 12
Candidate Starts for Panchaali_254:
(11, 160737), (12, 160800), (17, 160899), (21, 161013), (31, 161217), (32, 161265), (33, 161304), (35, 161346),

Gene: Stewart25555_246 Start: 159871, Stop: 160743, Start Num: 3
Candidate Starts for Stewart25555_246:
(3, 159871), (25, 160402), (27, 160420), (28, 160444),

Gene: WaddleDee_243 Start: 161441, Stop: 162304, Start Num: 4
Candidate Starts for WaddleDee_243:
(1, 161315), (Start: 4 @161441 has 2 MA's), (5, 161525), (6, 161528), (25, 161963),