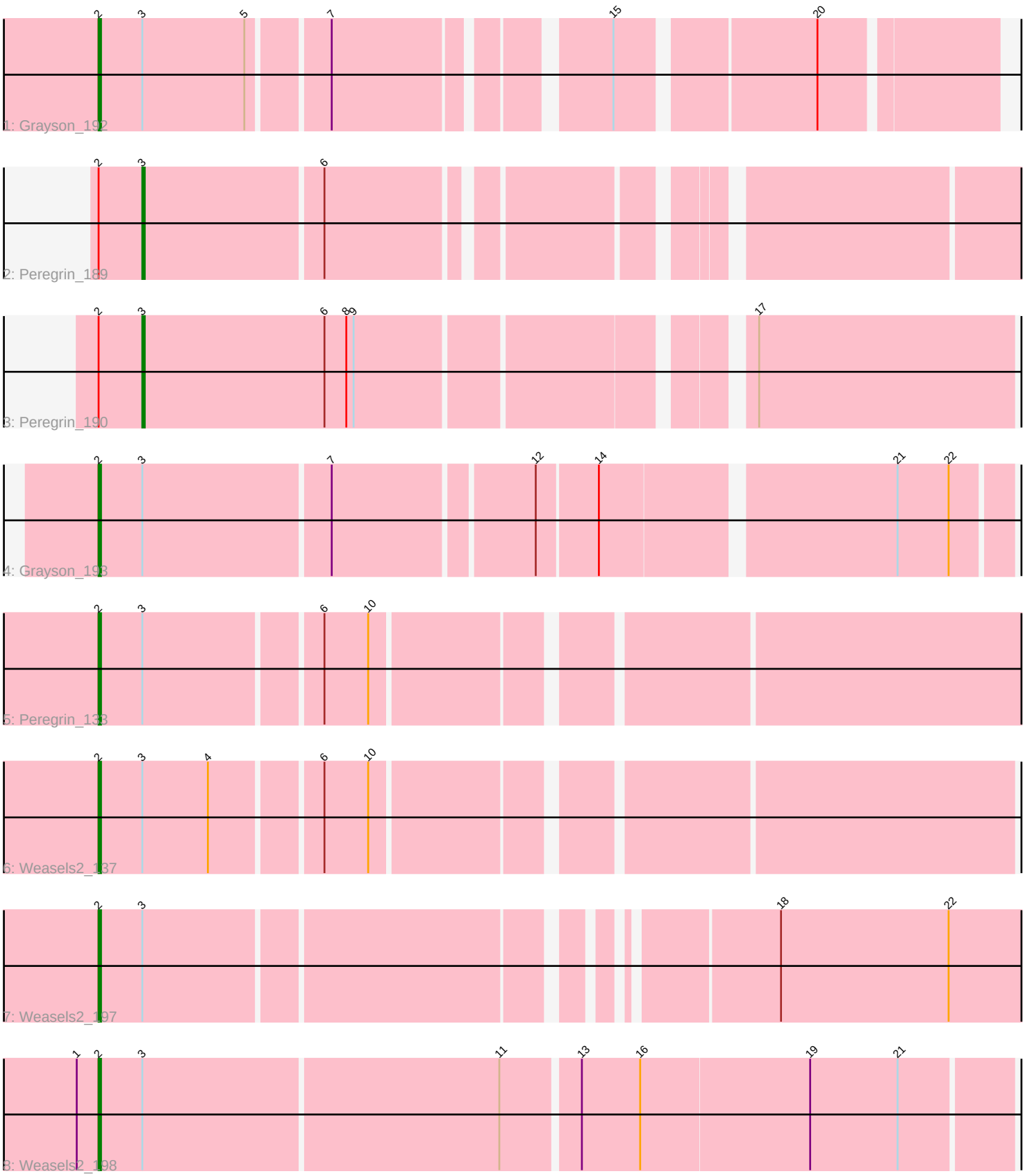
Pham 348321


2
3
5
7
15
20
1: Grayson_192
2
3
6
2: Peregrin_189
2
3
6
8
9
17
3: Peregrin_190
2
3
7
12
14
21
22
4: Grayson_193
2
3
6
10
5: Peregrin_133
2
3
4
6
10
6: Weasels2_137
2
3
18
22
7: Weasels2_197
1
2
3
11
13
16
19
21
8: Weasels2_198

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 348321 Report

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

Pham number 348321 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Grayson_192
• Track 2 : Peregrin_189
• Track 3 : Peregrin_190
• Track 4 : Grayson_193
• Track 5 : Peregrin_133
• Track 6 : Weasels2_137
• Track 7 : Weasels2_197
• Track 8 : Weasels2_198

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Grayson_192, Grayson_193, Peregrin_133, Weasels2_137, Weasels2_197, Weasels2_198,

Genes that have the "Most Annotated" start but do not call it:
• Peregrin_189, Peregrin_190,

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

Summary by start number:

Start 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Grayson_192 (CB), Grayson_193 (CB), Peregrin_133 (CB), Weasels2_137 (CB), Weasels2_197 (CB), Weasels2_198 (CB),

Start 3:

• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Peregrin_189 (CB), Peregrin_190 (CB),

Summary by clusters:

There is one cluster represented in this pham: CB

Info for manual annotations of cluster CB:
•Start number 2 was manually annotated 6 times for cluster CB.
•Start number 3 was manually annotated 2 times for cluster CB.

Gene Information:

Gene: Grayson_192 Start: 100023, Stop: 100355, Start Num: 2
Candidate Starts for Grayson_192:
(Start: 2 @100023 has 6 MA's), (Start: 3 @100041 has 2 MA's), (5, 100083), (7, 100113), (15, 100212), (20, 100287),

Gene: Grayson_193 Start: 100355, Stop: 100708, Start Num: 2
Candidate Starts for Grayson_193:
(Start: 2 @100355 has 6 MA's), (Start: 3 @100373 has 2 MA's), (7, 100448), (12, 100526), (14, 100550), (21, 100664), (22, 100685),

Gene: Peregrin_189 Start: 100438, Stop: 100764, Start Num: 3
Candidate Starts for Peregrin_189:
(Start: 2 @100420 has 6 MA's), (Start: 3 @100438 has 2 MA's), (6, 100510),

Gene: Peregrin_190 Start: 100766, Stop: 101101, Start Num: 3
Candidate Starts for Peregrin_190:
(Start: 2 @100748 has 6 MA's), (Start: 3 @100766 has 2 MA's), (6, 100841), (8, 100850), (9, 100853), (17, 100997),

Gene: Peregrin_133 Start: 79061, Stop: 79438, Start Num: 2
Candidate Starts for Peregrin_133:
(Start: 2 @79061 has 6 MA's), (Start: 3 @79079 has 2 MA's), (6, 79148), (10, 79166),

Gene: Weasels2_137 Start: 80331, Stop: 80681, Start Num: 2
Candidate Starts for Weasels2_137:
(Start: 2 @80331 has 6 MA's), (Start: 3 @80349 has 2 MA's), (4, 80376), (6, 80418), (10, 80436),

Gene: Weasels2_197 Start: 103724, Stop: 104071, Start Num: 2
Candidate Starts for Weasels2_197:
(Start: 2 @103724 has 6 MA's), (Start: 3 @103742 has 2 MA's), (18, 103973), (22, 104042),

Gene: Weasels2_198 Start: 104073, Stop: 104438, Start Num: 2
Candidate Starts for Weasels2_198:
(1, 104064), (Start: 2 @104073 has 6 MA's), (Start: 3 @104091 has 2 MA's), (11, 104235), (13, 104265), (16, 104289), (19, 104358), (21, 104394),