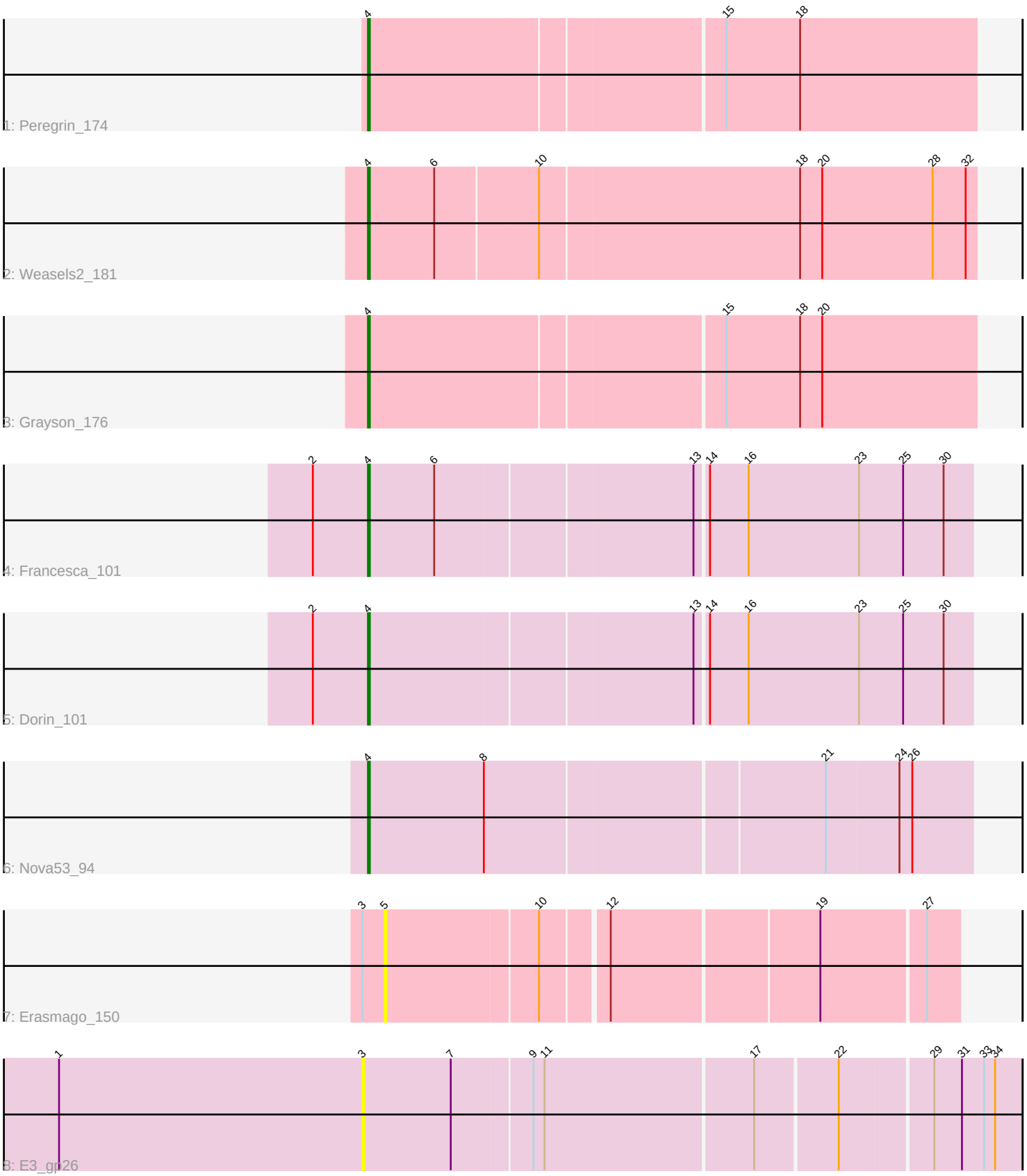
Pham 348310


4
15
18
1: Peregrin_174
4
6
10
18
20
28
32
2: Weasels2_181
4
15
18
20
3: Grayson_176
2
4
6
13
14
16
23
25
30
4: Francesca_101
2
4
13
14
16
23
25
30
5: Dorin_101
4
8
21
24
26
6: Nova53_94
3
5
10
12
19
27
7: Erasmago_150
1
3
7
9
11
17
22
29
31
33
34
8: E3_gp26

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 348310 Report

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

Pham number 348310 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Peregrin_174
• Track 2 : Weasels2_181
• Track 3 : Grayson_176
• Track 4 : Francesca_101
• Track 5 : Dorin_101
• Track 6 : Nova53_94
• Track 7 : Erasmago_150
• Track 8 : E3_gp26

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

Genes that call this "Most Annotated" start:
• Dorin_101, Francesca_101, Grayson_176, Nova53_94, Peregrin_174, Weasels2_181,

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

Genes that do not have the "Most Annotated" start:
• E3_gp26, Erasmago_150,

Summary by start number:

Start 3:
• Found in 2 of 8 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: E3_gp26 (singleton),

Start 4:
• Found in 6 of 8 (75.0%) 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: Dorin_101 (CG), Francesca_101 (CG), Grayson_176 (CB), Nova53_94 (CG), Peregrin_174 (CB), Weasels2_181 (CB),

Start 5:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Erasmago_150 (GD2),

Summary by clusters:

There are 4 clusters represented in this pham: CB, GD2, CG, singleton,

Info for manual annotations of cluster CB:
•Start number 4 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CG:
•Start number 4 was manually annotated 3 times for cluster CG.

Gene Information:

Gene: Dorin_101 Start: 73815, Stop: 74132, Start Num: 4
Candidate Starts for Dorin_101:
(2, 73785), (Start: 4 @73815 has 6 MA's), (13, 73986), (14, 73992), (16, 74013), (23, 74073), (25, 74097), (30, 74118),

Gene: E3_gp26 Start: 11072, Stop: 11416, Start Num: 3
Candidate Starts for E3_gp26:
(1, 10907), (3, 11072), (7, 11120), (9, 11162), (11, 11168), (17, 11279), (22, 11321), (29, 11369), (31, 11384), (33, 11396), (34, 11402),

Gene: Erasmago_150 Start: 88705, Stop: 88998, Start Num: 5
Candidate Starts for Erasmago_150:
(3, 88693), (5, 88705), (10, 88786), (12, 88819), (19, 88927), (27, 88981),

Gene: Francesca_101 Start: 74670, Stop: 74987, Start Num: 4
Candidate Starts for Francesca_101:
(2, 74640), (Start: 4 @74670 has 6 MA's), (6, 74706), (13, 74841), (14, 74847), (16, 74868), (23, 74928), (25, 74952), (30, 74973),

Gene: Grayson_176 Start: 93715, Stop: 94035, Start Num: 4
Candidate Starts for Grayson_176:
(Start: 4 @93715 has 6 MA's), (15, 93901), (18, 93940), (20, 93952),

Gene: Nova53_94 Start: 72933, Stop: 73250, Start Num: 4
Candidate Starts for Nova53_94:
(Start: 4 @72933 has 6 MA's), (8, 72996), (21, 73173), (24, 73212), (26, 73218),

Gene: Peregrin_174 Start: 93147, Stop: 93467, Start Num: 4
Candidate Starts for Peregrin_174:
(Start: 4 @93147 has 6 MA's), (15, 93333), (18, 93372),

Gene: Weasels2_181 Start: 97792, Stop: 98115, Start Num: 4
Candidate Starts for Weasels2_181:
(Start: 4 @97792 has 6 MA's), (6, 97828), (10, 97882), (18, 98020), (20, 98032), (28, 98092), (32, 98110),