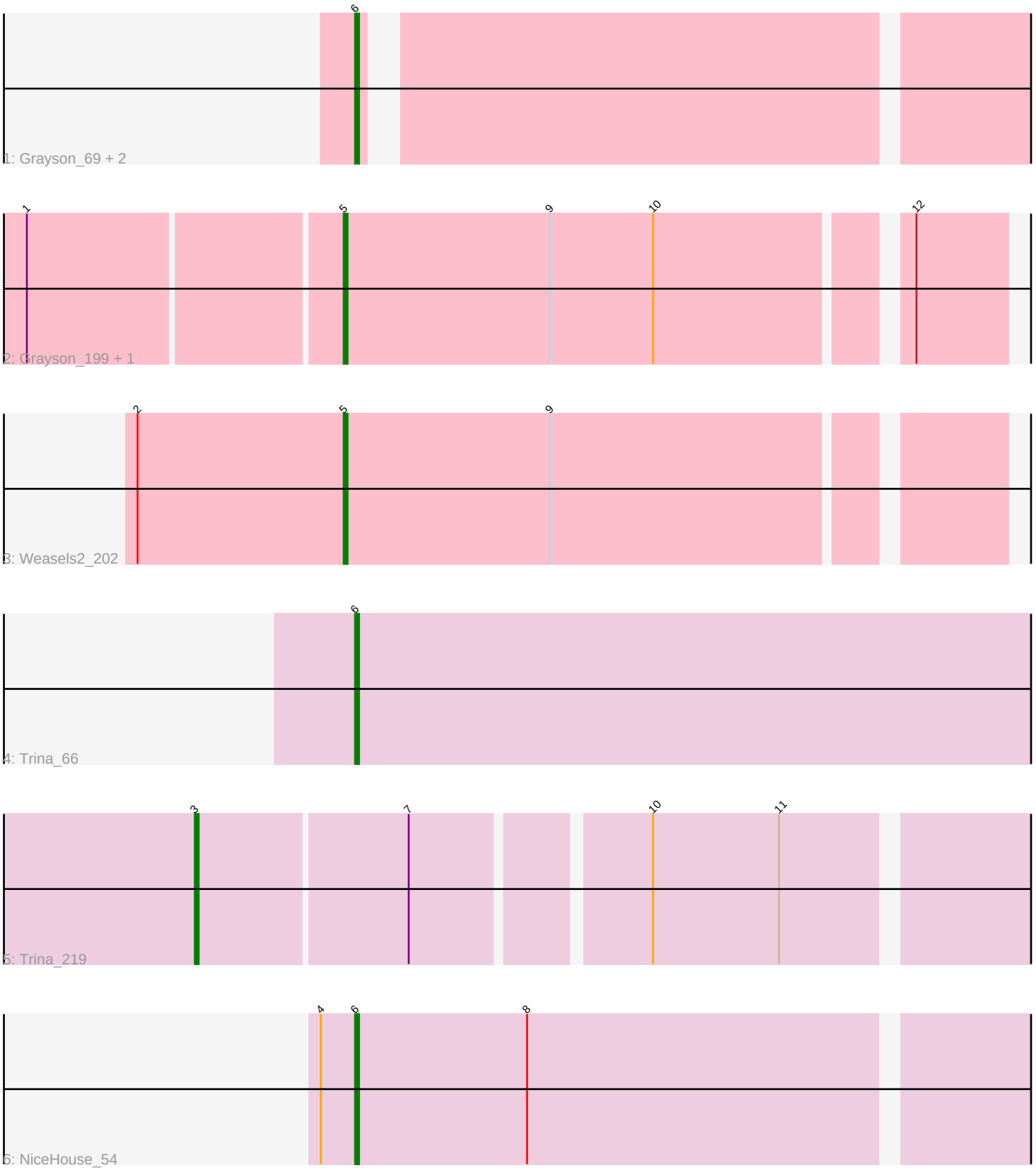
# Pham 335573


6
1: Grayson_69 + 2
1
5
9
10
12
2: Grayson_199 + 1
2
5
9
3: Weasels2_202
6
4: Trina_66
3
7
10
11
5: Trina_219
4
6
8
6: NiceHouse_54

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 335573 Report

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

Pham number 335573 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Grayson_69, Weasels2_68, Peregrin_68
• Track 2 : Grayson_199, Peregrin_197
• Track 3 : Weasels2_202
• Track 4 : Trina_66
• Track 5 : Trina_219
• Track 6 : NiceHouse_54

***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 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Grayson_69, NiceHouse_54, Peregrin_68, Trina_66, Weasels2_68,

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

Genes that do not have the "Most Annotated" start:
• Grayson_199, Peregrin_197, Trina_219, Weasels2_202,

**Summary by start number:**

Start 3:
• Found in 1 of 9 ( 11.1% ) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Trina_219 (CE),

Start 5:
• Found in 3 of 9 ( 33.3% ) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Grayson_199 (CB), Peregrin_197 (CB), Weasels2_202 (CB),

Start 6:
• Found in 5 of 9 ( 55.6% ) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Grayson_69 (CB), NiceHouse_54 (CE), Peregrin_68 (CB), Trina_66 (CE), Weasels2_68 (CB),

**Summary by clusters:**

There are 2 clusters represented in this pham: CB, CE,

Info for manual annotations of cluster CB:
•Start number 5 was manually annotated 3 times for cluster CB.
•Start number 6 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CE:
•Start number 3 was manually annotated 1 time for cluster CE.
•Start number 6 was manually annotated 2 times for cluster CE.

***Gene Information:***

Gene: Grayson_69 Start: 30066, Stop: 30245, Start Num: 6
Candidate Starts for Grayson_69:
(Start: 6 @30066 has 5 MA's),

Gene: Grayson_199 Start: 102801, Stop: 102965, Start Num: 5
Candidate Starts for Grayson_199:
(1, 102723), (Start: 5 @102801 has 3 MA's), (9, 102855), (10, 102882), (12, 102942),

Gene: NiceHouse_54 Start: 28256, Stop: 28441, Start Num: 6
Candidate Starts for NiceHouse_54:
(4, 28247), (Start: 6 @28256 has 5 MA's), (8, 28301),

Gene: Peregrin_197 Start: 103203, Stop: 103367, Start Num: 5
Candidate Starts for Peregrin_197:
(1, 103125), (Start: 5 @103203 has 3 MA's), (9, 103257), (10, 103284), (12, 103344),

Gene: Peregrin_68 Start: 29577, Stop: 29756, Start Num: 6
Candidate Starts for Peregrin_68:
(Start: 6 @29577 has 5 MA's),

Gene: Trina_66 Start: 32122, Stop: 32313, Start Num: 6
Candidate Starts for Trina_66:
(Start: 6 @32122 has 5 MA's),

Gene: Trina_219 Start: 116620, Stop: 116838, Start Num: 3
Candidate Starts for Trina_219:
(Start: 3 @116620 has 1 MA's), (7, 116674), (10, 116731), (11, 116764),

Gene: Weasels2_68 Start: 29579, Stop: 29758, Start Num: 6
Candidate Starts for Weasels2_68:
(Start: 6 @29579 has 5 MA's),

Gene: Weasels2_202 Start: 106031, Stop: 106195, Start Num: 5
Candidate Starts for Weasels2_202:
(2, 105977), (Start: 5 @106031 has 3 MA's), (9, 106085),