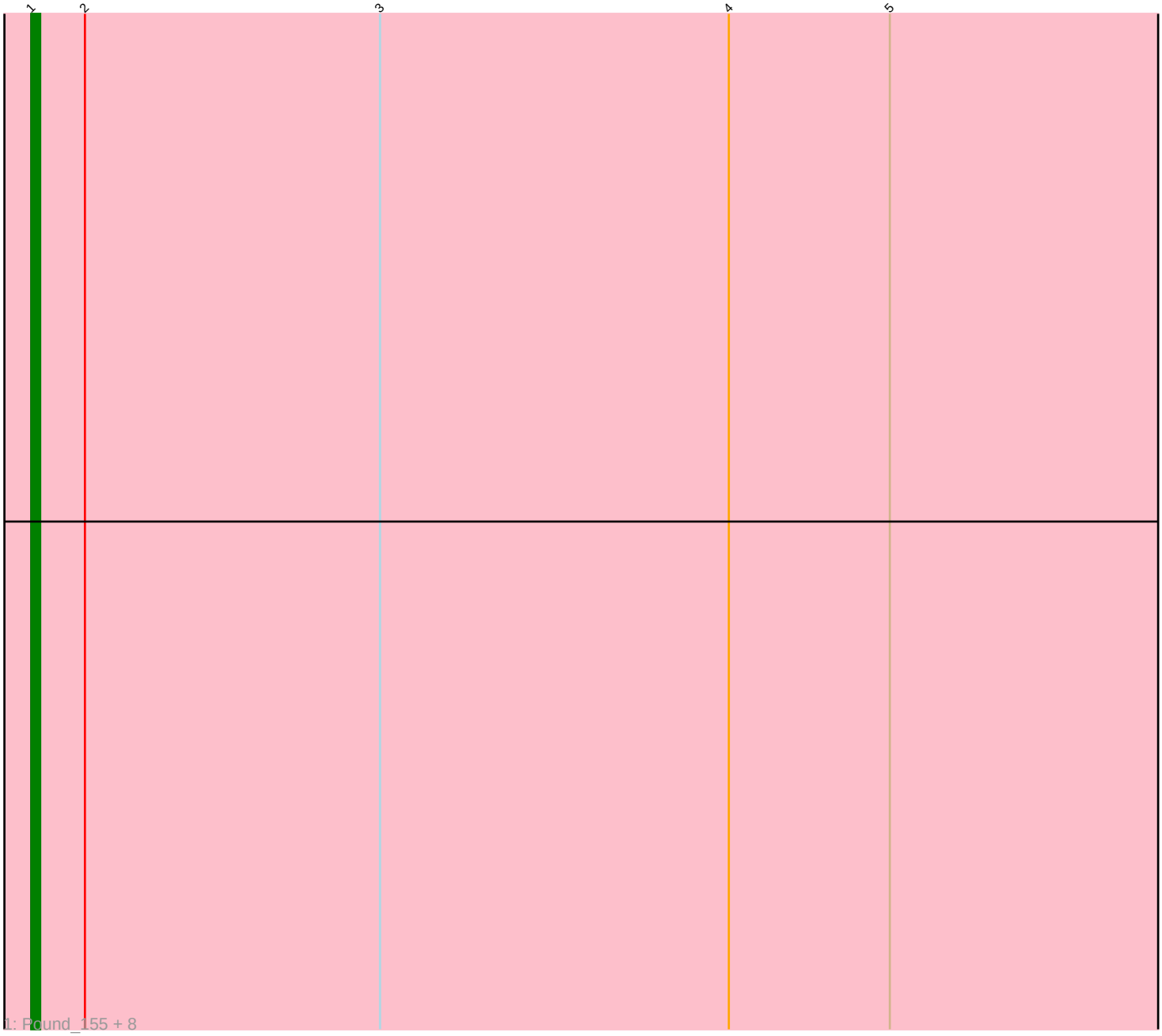
# Pham 7074



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 7074 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7074 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Pound_155, Dove_157, NihilNomen_164, Thibault_145, Redno2_156, HokkenD_157, Phoebus_163, JuicyJay_157, Bombitas_149

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bombitas_149, Dove_157, HokkenD_157, JuicyJay_157, NihilNomen_164, Phoebus_163, Pound_155, Redno2_156, Thibault_145,

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

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

**Summary by start number:**

Start 1:
• Found in 9 of 9 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bombitas_149 (J), Dove_157 (J), HokkenD_157 (J), JuicyJay_157 (J), NihilNomen_164 (J), Phoebus_163 (J), Pound_155 (J), Redno2_156 (J), Thibault_145 (J),

**Summary by clusters:**

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 8 times for cluster J.

### *Gene Information:*

Gene: Bombitas_149 Start: 83793, Stop: 84002, Start Num: 1
Candidate Starts for Bombitas_149:
(Start: 1 @83793 has 8 MA's), (2, 83799), (3, 83832), (4, 83871), (5, 83889),

Gene: Dove_157 Start: 82149, Stop: 82358, Start Num: 1
Candidate Starts for Dove_157:
(Start: 1 @82149 has 8 MA's), (2, 82155), (3, 82188), (4, 82227), (5, 82245),

Gene: HokkenD_157 Start: 87871, Stop: 88080, Start Num: 1
Candidate Starts for HokkenD_157:
(Start: 1 @87871 has 8 MA's), (2, 87877), (3, 87910), (4, 87949), (5, 87967),

Gene: JuicyJay_157 Start: 87518, Stop: 87727, Start Num: 1
Candidate Starts for JuicyJay_157:
(Start: 1 @87518 has 8 MA's), (2, 87524), (3, 87557), (4, 87596), (5, 87614),

Gene: NihilNomen_164 Start: 85644, Stop: 85853, Start Num: 1
Candidate Starts for NihilNomen_164:
(Start: 1 @85644 has 8 MA's), (2, 85650), (3, 85683), (4, 85722), (5, 85740),

Gene: Phoebus_163 Start: 89331, Stop: 89540, Start Num: 1
Candidate Starts for Phoebus_163:
(Start: 1 @89331 has 8 MA's), (2, 89337), (3, 89370), (4, 89409), (5, 89427),

Gene: Pound_155 Start: 84538, Stop: 84747, Start Num: 1
Candidate Starts for Pound_155:
(Start: 1 @84538 has 8 MA's), (2, 84544), (3, 84577), (4, 84616), (5, 84634),

Gene: Redno2_156 Start: 83444, Stop: 83653, Start Num: 1
Candidate Starts for Redno2_156:
(Start: 1 @83444 has 8 MA's), (2, 83450), (3, 83483), (4, 83522), (5, 83540),

Gene: Thibault_145 Start: 82818, Stop: 83027, Start Num: 1
Candidate Starts for Thibault_145:
(Start: 1 @82818 has 8 MA's), (2, 82824), (3, 82857), (4, 82896), (5, 82914),