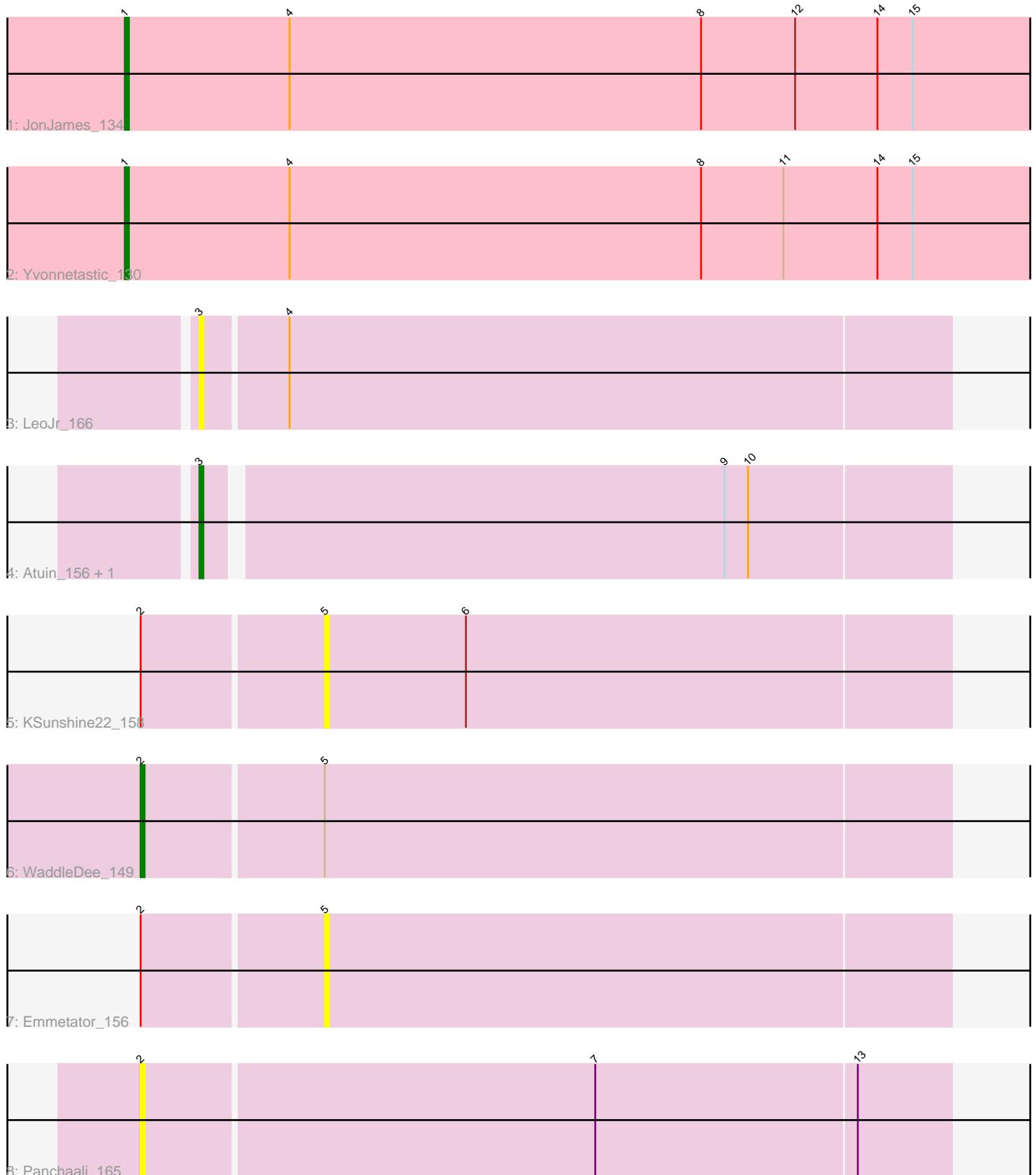# Pham 281157

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 281157 Report

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

Pham number 281157 has 9 members, 5 are drafts.

Phages represented in each track:
• Track 1 : JonJames_134
• Track 2 : Yvonnetastic_130
• Track 3 : LeoJr_166
• Track 4 : Atuin_156, ReginaGlobina_169
• Track 5 : KSunshine22_158
• Track 6 : WaddleDee_149
• Track 7 : Emmetator_156
• Track 8 : Panchaali_165

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 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• JonJames_134, Yvonnetastic_130,

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

Genes that do not have the "Most Annotated" start:
• Atuin_156, Emmetator_156, KSunshine22_158, LeoJr_166, Panchaali_165, ReginaGlobina_169, WaddleDee_149,

Summary by start number:

Start 1:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JonJames_134 (DD), Yvonnetastic_130 (DD),

Start 2:

• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Panchaali_165 (FC), WaddleDee_149 (FC),

Start 3:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_156 (FC), LeoJr_166 (FC), ReginaGlobina_169 (FC),

Start 5:
• Found in 3 of 9 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Emmetator_156 (FC), KSunshine22_158 (FC),

Summary by clusters:

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

Info for manual annotations of cluster DD:
•Start number 1 was manually annotated 2 times for cluster DD.

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

Gene Information:
Gene: Atuin_156 Start: 110180, Stop: 110365, Start Num: 3
Candidate Starts for Atuin_156:
(Start: 3 @110180 has 1 MA's), (9, 110309), (10, 110315),

Gene: Emmetator_156 Start: 107433, Stop: 107591, Start Num: 5
Candidate Starts for Emmetator_156:
(Start: 2 @107388 has 1 MA's), (5, 107433),

Gene: JonJames_134 Start: 77470, Stop: 77718, Start Num: 1
Candidate Starts for JonJames_134:
(Start: 1 @77470 has 2 MA's), (4, 77512), (8, 77617), (12, 77641), (14, 77662), (15, 77671),

Gene: KSunshine22_158 Start: 108183, Stop: 108341, Start Num: 5
Candidate Starts for KSunshine22_158:
(Start: 2 @108138 has 1 MA's), (5, 108183), (6, 108219),

Gene: LeoJr_166 Start: 110788, Stop: 110976, Start Num: 3
Candidate Starts for LeoJr_166:

(Start: 3 @110788 has 1 MA's), (4, 110809),

Gene: Panchaali_165 Start: 107904, Stop: 108107, Start Num: 2
Candidate Starts for Panchaali_165:
(Start: 2 @107904 has 1 MA's), (7, 108018), (13, 108084),

Gene: ReginaGlobina_169 Start: 112062, Stop: 112247, Start Num: 3
Candidate Starts for ReginaGlobina_169:
(Start: 3 @112062 has 1 MA's), (9, 112191), (10, 112197),

Gene: WaddleDee_149 Start: 106261, Stop: 106464, Start Num: 2
Candidate Starts for WaddleDee_149:
(Start: 2 @106261 has 1 MA's), (5, 106306),

Gene: Yvonnetastic_130 Start: 73750, Stop: 73998, Start Num: 1
Candidate Starts for Yvonnetastic_130:
(Start: 1 @73750 has 2 MA's), (4, 73792), (8, 73897), (11, 73918), (14, 73942), (15, 73951),