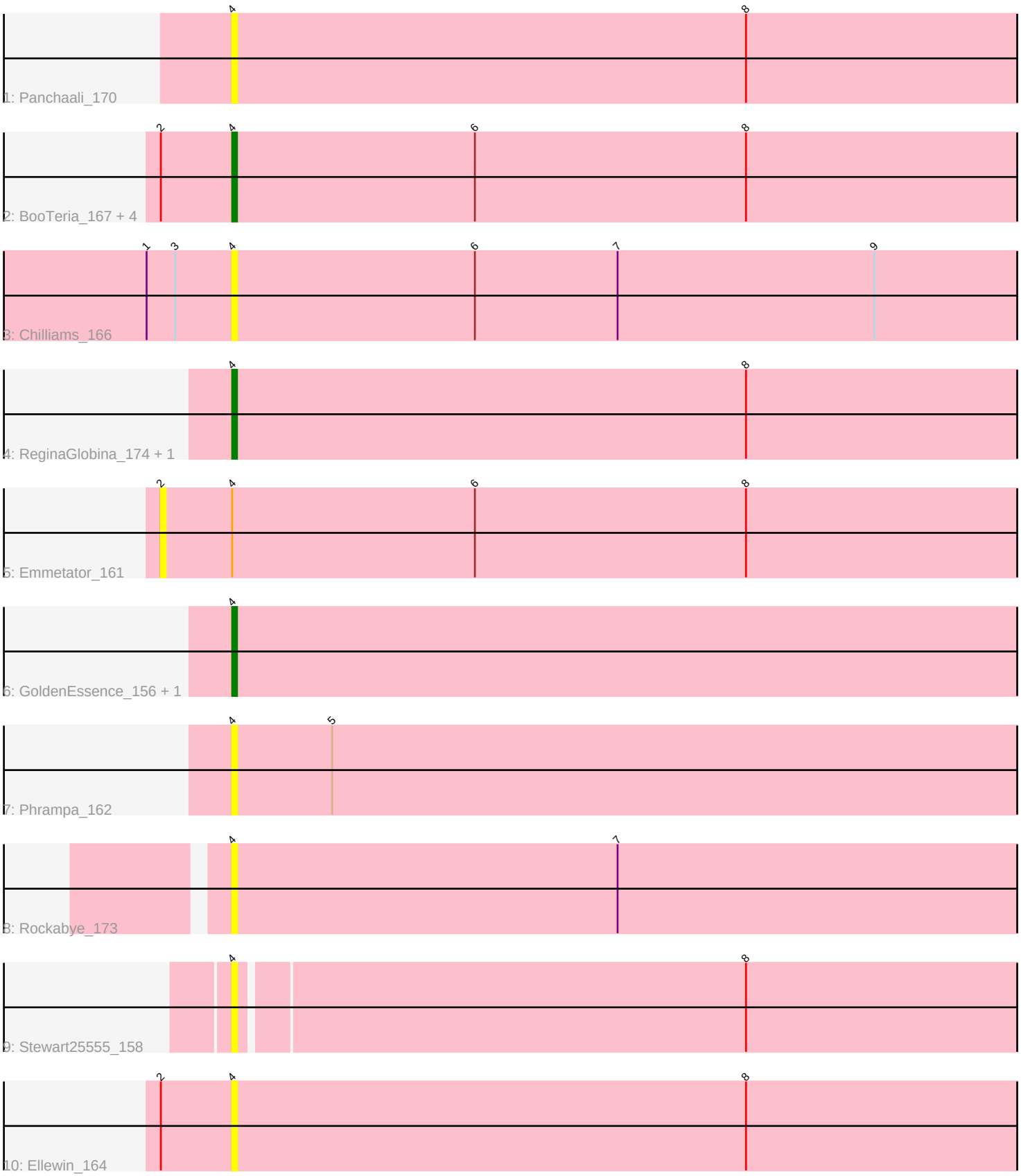
Pham 274714


4
8
1: Panchaali_170
2
4
6
8
2: BooTeria_167 + 4
1
3
4
6
7
9
3: Chilliams_166
4
8
4: ReginaGlobina_174 + 1
2
4
6
8
5: Emmetator_161
4
6: GoldenEssence_156 + 1
4
5
7: Phrampa_162
4
7
8: Rockabye_173
4
8
9: Stewart25555_158
2
4
8
10: Ellewin_164

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 274714 Report

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

Pham number 274714 has 16 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Panchaali_170
• Track 2 : BooTeria_167, DunneganBoMo_158, Artu_160, WaddleDee_154, KSunshine22_163
• Track 3 : Chilliams_166
• Track 4 : ReginaGlobina_174, Atuin_161
• Track 5 : Emmetator_161
• Track 6 : GoldenEssence_156, Talia1610_170
• Track 7 : Phrampa_162
• Track 8 : Rockabye_173
• Track 9 : Stewart25555_158
• Track 10 : Ellewin_164

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

Genes that call this "Most Annotated" start:
• Artu_160, Atuin_161, BooTeria_167, Chilliams_166, DunneganBoMo_158, Ellewin_164, GoldenEssence_156, KSunshine22_163, Panchaali_170, Phrampa_162, ReginaGlobina_174, Rockabye_173, Stewart25555_158, Talia1610_170, WaddleDee_154,

Genes that have the "Most Annotated" start but do not call it:
• Emmetator_161,

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

Summary by start number:

Start 2:
• Found in 7 of 16 (43.8%) of genes in pham
• No Manual Annotations of this start.

• Called 14.3% of time when present
• Phage (with cluster) where this start called: Emmetator_161 (FC),

Start 4:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 93.8% of time when present
• Phage (with cluster) where this start called: Artu_160 (FC), Atuin_161 (FC), BooTeria_167 (FC), Chilliams_166 (FC), DunneganBoMo_158 (FC), Ellewin_164 (FC), GoldenEssence_156 (FC), KSunshine22_163 (FC), Panchaali_170 (FC), Phrampa_162 (FC), ReginaGlobina_174 (FC), Rockabye_173 (FC), Stewart25555_158 (FC), Talia1610_170 (FC), WaddleDee_154 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 4 was manually annotated 5 times for cluster FC.

Gene Information:

Gene: Artu_160 Start: 109245, Stop: 109442, Start Num: 4
Candidate Starts for Artu_160:
(2, 109230), (Start: 4 @109245 has 5 MA's), (6, 109296), (8, 109353),

Gene: Atuin_161 Start: 111687, Stop: 111881, Start Num: 4
Candidate Starts for Atuin_161:
(Start: 4 @111687 has 5 MA's), (8, 111795),

Gene: BooTeria_167 Start: 109325, Stop: 109522, Start Num: 4
Candidate Starts for BooTeria_167:
(2, 109310), (Start: 4 @109325 has 5 MA's), (6, 109376), (8, 109433),

Gene: Chilliams_166 Start: 103103, Stop: 103294, Start Num: 4
Candidate Starts for Chilliams_166:
(1, 103085), (3, 103091), (Start: 4 @103103 has 5 MA's), (6, 103154), (7, 103184), (9, 103238),

Gene: DunneganBoMo_158 Start: 108594, Stop: 108791, Start Num: 4
Candidate Starts for DunneganBoMo_158:
(2, 108579), (Start: 4 @108594 has 5 MA's), (6, 108645), (8, 108702),

Gene: Ellewin_164 Start: 108698, Stop: 108895, Start Num: 4
Candidate Starts for Ellewin_164:
(2, 108683), (Start: 4 @108698 has 5 MA's), (8, 108806),

Gene: Emmetator_161 Start: 108892, Stop: 109104, Start Num: 2
Candidate Starts for Emmetator_161:
(2, 108892), (Start: 4 @108907 has 5 MA's), (6, 108958), (8, 109015),

Gene: GoldenEssence_156 Start: 105972, Stop: 106145, Start Num: 4

Candidate Starts for GoldenEssence_156:
(Start: 4 @105972 has 5 MA's),

Gene: KSunshine22_163 Start: 109657, Stop: 109854, Start Num: 4
Candidate Starts for KSunshine22_163:
(2, 109642), (Start: 4 @109657 has 5 MA's), (6, 109708), (8, 109765),

Gene: Panchaali_170 Start: 109408, Stop: 109602, Start Num: 4
Candidate Starts for Panchaali_170:
(Start: 4 @109408 has 5 MA's), (8, 109516),

Gene: Phrampa_162 Start: 114167, Stop: 114343, Start Num: 4
Candidate Starts for Phrampa_162:
(Start: 4 @114167 has 5 MA's), (5, 114188),

Gene: ReginaGlobina_174 Start: 113570, Stop: 113764, Start Num: 4
Candidate Starts for ReginaGlobina_174:
(Start: 4 @113570 has 5 MA's), (8, 113678),

Gene: Rockabye_173 Start: 105115, Stop: 105306, Start Num: 4
Candidate Starts for Rockabye_173:
(Start: 4 @105115 has 5 MA's), (7, 105196),

Gene: Stewart25555_158 Start: 109692, Stop: 109886, Start Num: 4
Candidate Starts for Stewart25555_158:
(Start: 4 @109692 has 5 MA's), (8, 109797),

Gene: Talia1610_170 Start: 112415, Stop: 112588, Start Num: 4
Candidate Starts for Talia1610_170:
(Start: 4 @112415 has 5 MA's),

Gene: WaddleDee_154 Start: 107780, Stop: 107977, Start Num: 4
Candidate Starts for WaddleDee_154:
(2, 107765), (Start: 4 @107780 has 5 MA's), (6, 107831), (8, 107888),