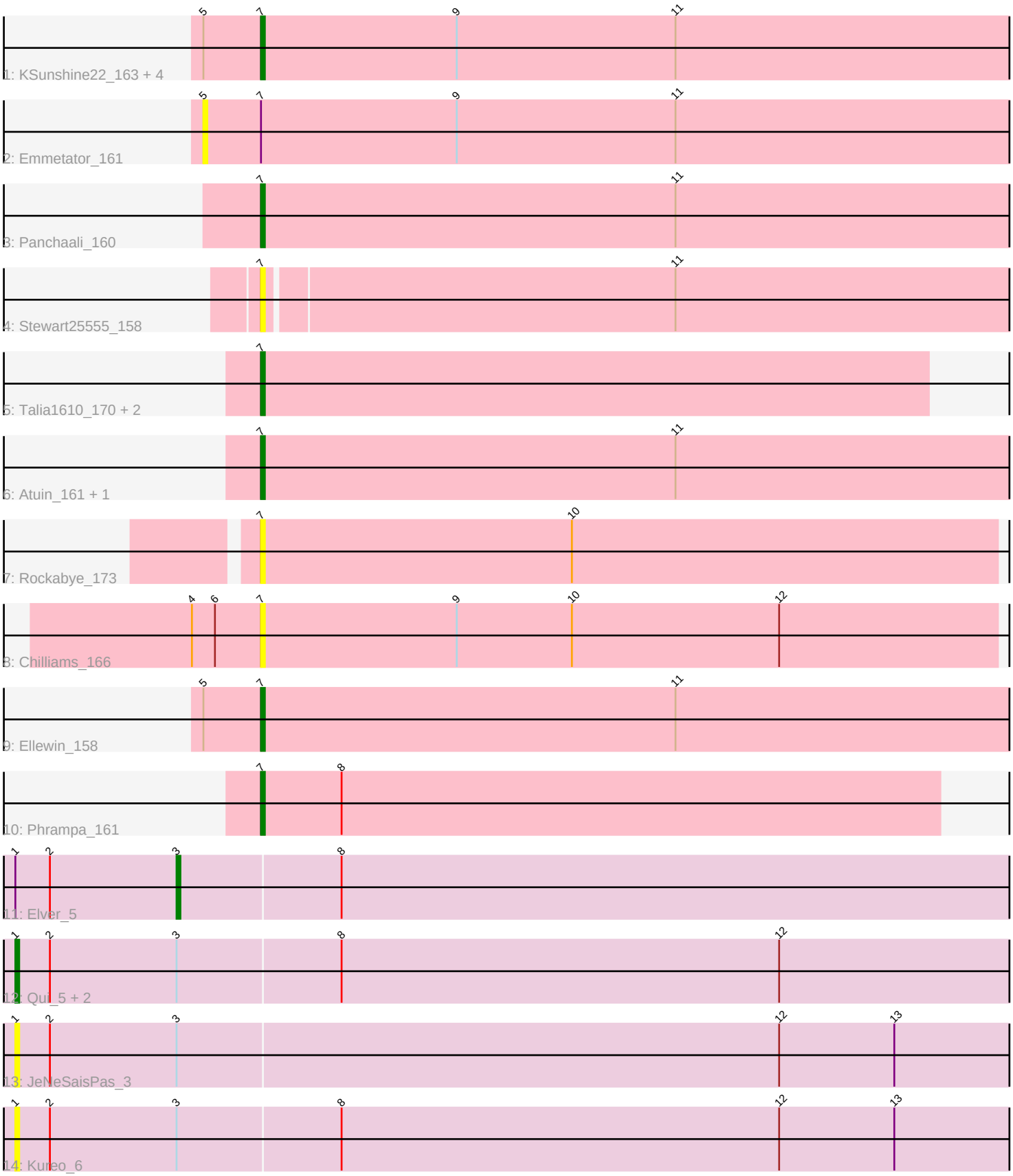
Pham 296919


1: KSunshine22_163 + 4
2: Emmetator_161
3: Panchaali_160
4: Stewart25555_158
5: Talia1610_170 + 2
6: Atuin_161 + 1
7: Rockabye_173
8: Chilliams_166
9: Ellewin_158
10: Phrampa_161
11: Elver_5
12: Qui_5 + 2
13: JeNeSaisPas_3
14: Kureo_6

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 296919 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296919 has 23 members, 11 are drafts.

Phages represented in each track:
• Track 1 : KSunshine22_163, WaddleDee_154, BooTeria_167, DunneganBoMo_158, Artu_160
• Track 2 : Emmetator_161
• Track 3 : Panchaali_160
• Track 4 : Stewart25555_158
• Track 5 : Talia1610_170, Patbob_167, GoldenEssence_156
• Track 6 : Atuin_161, ReginaGlobina_174
• Track 7 : Rockabye_173
• Track 8 : Chilliams_166
• Track 9 : Ellewin_158
• Track 10 : Phrampa_161
• Track 11 : Elver_5
• Track 12 : Qui_5, Paella_5, Marianna39_5
• Track 13 : JeNeSaisPas_3
• Track 14 : Kureo_6

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

The start number called the most often in the published annotations is 7, it was called in 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_160, Atuin_161, BooTeria_167, Chilliams_166, DunneganBoMo_158, Ellewin_158, GoldenEssence_156, KSunshine22_163, Panchaali_160, Patbob_167, Phrampa_161, 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:
• Elver_5, JeNeSaisPas_3, Kureo_6, Marianna39_5, Paella_5, Qui_5,

Summary by start number:

Start 1:
• Found in 6 of 23 (26.1%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 83.3% of time when present
• Phage (with cluster) where this start called: JeNeSaisPas_3 (FK), Kureo_6 (FK), Marianna39_5 (FK), Paella_5 (FK), Qui_5 (FK),

Start 3:
• Found in 6 of 23 (26.1%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Elver_5 (FK),

Start 5:
• Found in 7 of 23 (30.4%) 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 7:
• Found in 17 of 23 (73.9%) of genes in pham
• Manual Annotations of this start: 9 of 12
• Called 94.1% 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_158 (FC), GoldenEssence_156 (FC), KSunshine22_163 (FC), Panchaali_160 (FC), Patbob_167 (FC), Phrampa_161 (FC), ReginaGlobina_174 (FC), Rockabye_173 (FC), Stewart25555_158 (FC), Talia1610_170 (FC), WaddleDee_154 (FC),

Summary by clusters:

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

Info for manual annotations of cluster FC:
•Start number 7 was manually annotated 9 times for cluster FC.

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

Gene Information:

Gene: Artu_160 Start: 109245, Stop: 109442, Start Num: 7
Candidate Starts for Artu_160:
(5, 109230), (Start: 7 @109245 has 9 MA's), (9, 109296), (11, 109353),

Gene: Atuin_161 Start: 111687, Stop: 111881, Start Num: 7
Candidate Starts for Atuin_161:
(Start: 7 @111687 has 9 MA's), (11, 111795),

Gene: BooTeria_167 Start: 109325, Stop: 109522, Start Num: 7
Candidate Starts for BooTeria_167:
(5, 109310), (Start: 7 @109325 has 9 MA's), (9, 109376), (11, 109433),

Gene: Chilliams_166 Start: 103103, Stop: 103294, Start Num: 7
Candidate Starts for Chilliams_166:
(4, 103085), (6, 103091), (Start: 7 @103103 has 9 MA's), (9, 103154), (10, 103184), (12, 103238),

Gene: DunneganBoMo_158 Start: 108594, Stop: 108791, Start Num: 7
Candidate Starts for DunneganBoMo_158:
(5, 108579), (Start: 7 @108594 has 9 MA's), (9, 108645), (11, 108702),

Gene: Ellewin_158 Start: 108698, Stop: 108895, Start Num: 7
Candidate Starts for Ellewin_158:
(5, 108683), (Start: 7 @108698 has 9 MA's), (11, 108806),

Gene: Elver_5 Start: 1670, Stop: 1888, Start Num: 3
Candidate Starts for Elver_5:
(Start: 1 @1628 has 2 MA's), (2, 1637), (Start: 3 @1670 has 1 MA's), (8, 1712),

Gene: Emmetator_161 Start: 108892, Stop: 109104, Start Num: 5
Candidate Starts for Emmetator_161:
(5, 108892), (Start: 7 @108907 has 9 MA's), (9, 108958), (11, 109015),

Gene: GoldenEssence_156 Start: 105972, Stop: 106145, Start Num: 7
Candidate Starts for GoldenEssence_156:
(Start: 7 @105972 has 9 MA's),

Gene: JeNeSaisPas_3 Start: 1143, Stop: 1403, Start Num: 1
Candidate Starts for JeNeSaisPas_3:
(Start: 1 @1143 has 2 MA's), (2, 1152), (Start: 3 @1185 has 1 MA's), (12, 1341), (13, 1371),

Gene: KSunshine22_163 Start: 109657, Stop: 109854, Start Num: 7
Candidate Starts for KSunshine22_163:
(5, 109642), (Start: 7 @109657 has 9 MA's), (9, 109708), (11, 109765),

Gene: Kureo_6 Start: 2857, Stop: 3117, Start Num: 1
Candidate Starts for Kureo_6:
(Start: 1 @2857 has 2 MA's), (2, 2866), (Start: 3 @2899 has 1 MA's), (8, 2941), (12, 3055), (13, 3085),

Gene: Marianna39_5 Start: 1627, Stop: 1887, Start Num: 1
Candidate Starts for Marianna39_5:
(Start: 1 @1627 has 2 MA's), (2, 1636), (Start: 3 @1669 has 1 MA's), (8, 1711), (12, 1825),

Gene: Paella_5 Start: 1627, Stop: 1887, Start Num: 1
Candidate Starts for Paella_5:
(Start: 1 @1627 has 2 MA's), (2, 1636), (Start: 3 @1669 has 1 MA's), (8, 1711), (12, 1825),

Gene: Panchaali_160 Start: 109408, Stop: 109602, Start Num: 7
Candidate Starts for Panchaali_160:
(Start: 7 @109408 has 9 MA's), (11, 109516),

Gene: Patbob_167 Start: 112594, Stop: 112767, Start Num: 7

Candidate Starts for Patbob_167:
(Start: 7 @112594 has 9 MA's),

Gene: Phrampa_161 Start: 114167, Stop: 114343, Start Num: 7
Candidate Starts for Phrampa_161:
(Start: 7 @114167 has 9 MA's), (8, 114188),

Gene: Qui_5 Start: 1627, Stop: 1887, Start Num: 1
Candidate Starts for Qui_5:
(Start: 1 @1627 has 2 MA's), (2, 1636), (Start: 3 @1669 has 1 MA's), (8, 1711), (12, 1825),

Gene: ReginaGlobina_174 Start: 113570, Stop: 113764, Start Num: 7
Candidate Starts for ReginaGlobina_174:
(Start: 7 @113570 has 9 MA's), (11, 113678),

Gene: Rockabye_173 Start: 105115, Stop: 105306, Start Num: 7
Candidate Starts for Rockabye_173:
(Start: 7 @105115 has 9 MA's), (10, 105196),

Gene: Stewart25555_158 Start: 109692, Stop: 109886, Start Num: 7
Candidate Starts for Stewart25555_158:
(Start: 7 @109692 has 9 MA's), (11, 109797),

Gene: Talia1610_170 Start: 112415, Stop: 112588, Start Num: 7
Candidate Starts for Talia1610_170:
(Start: 7 @112415 has 9 MA's),

Gene: WaddleDee_154 Start: 107780, Stop: 107977, Start Num: 7
Candidate Starts for WaddleDee_154:
(5, 107765), (Start: 7 @107780 has 9 MA's), (9, 107831), (11, 107888),