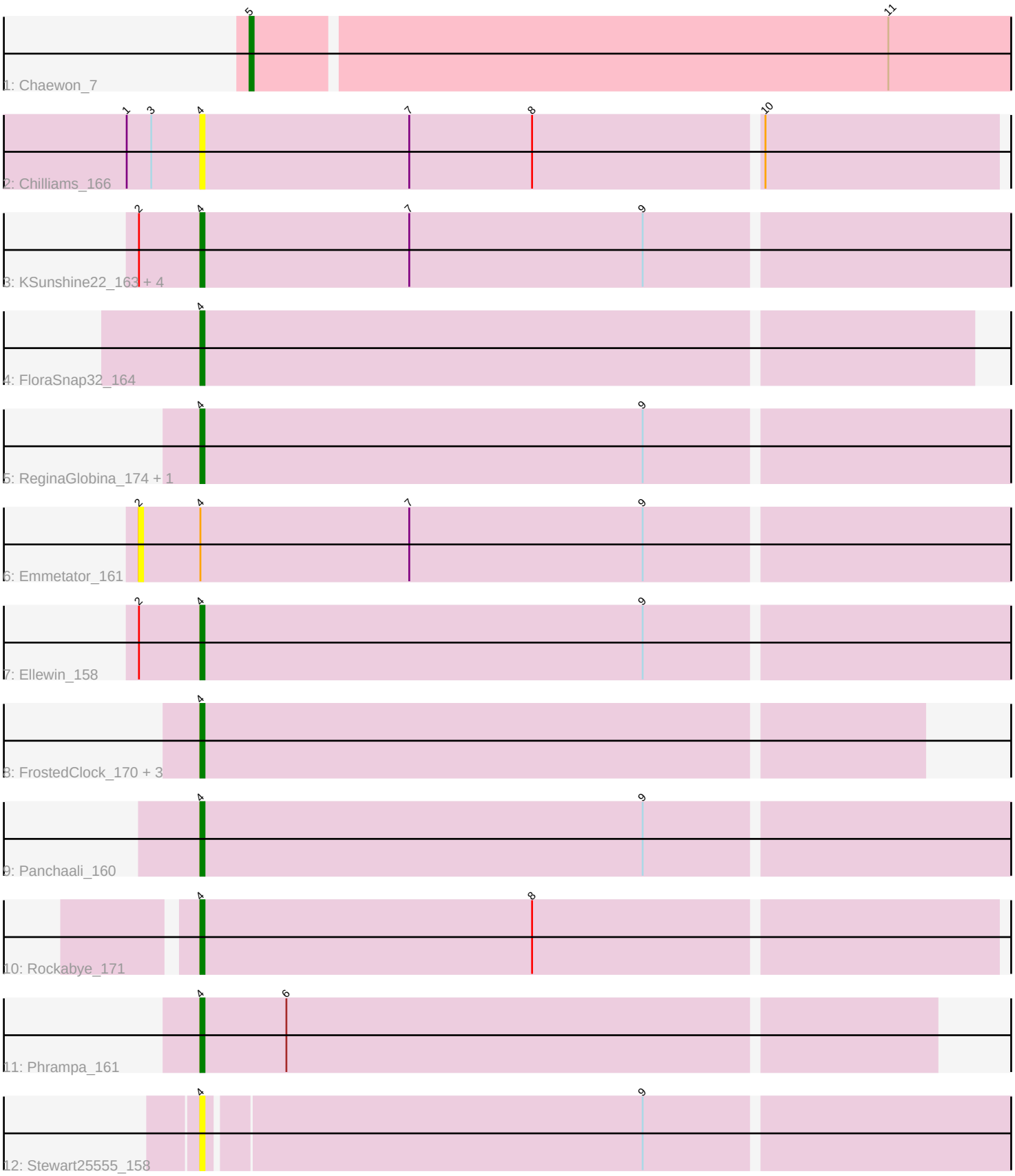
Pham 348050


5
11
1: Chaewon_7
1
3
4
7
8
10
2: Chilliams_166
2
4
7
9
3: KSunshine22_163 + 4
4
4: FloraSnap32_164
4
9
5: ReginaGlobina_174 + 1
2
4
7
9
6: Emmetator_161
2
4
9
7: Ellewin_158
4
8: FrostedClock_170 + 3
4
9
9: Panchaali_160
4
8
10: Rockabye_171
4
6
11: Phrampa_161
4
9
12: Stewart25555_158

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 348050 Report

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

Pham number 348050 has 20 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Chaewon_7
• Track 2 : Chilliams_166
• Track 3 : KSunshine22_163, DunneganBoMo_158, BooTeria_158, WaddleDee_154, Artu_157
• Track 4 : FloraSnap32_164
• Track 5 : ReginaGlobina_174, Atuin_161
• Track 6 : Emmetator_161
• Track 7 : Ellewin_158
• Track 8 : FrostedClock_170, GoldenEssence_156, Patbob_167, Talia1610_170
• Track 9 : Panchaali_160
• Track 10 : Rockabye_171
• Track 11 : Phrampa_161
• Track 12 : Stewart25555_158

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 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_157, Atuin_161, BooTeria_158, Chilliams_166, DunneganBoMo_158, Ellewin_158, FloraSnap32_164, FrostedClock_170, GoldenEssence_156, KSunshine22_163, Panchaali_160, Patbob_167, Phrampa_161, ReginaGlobina_174, Rockabye_171, 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:
• Chaewon_7,

Summary by start number:

Start 2:

• Found in 7 of 20 (35.0%) 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 19 of 20 (95.0%) of genes in pham
• Manual Annotations of this start: 14 of 15
• Called 94.7% of time when present
• Phage (with cluster) where this start called: Artu_157 (FC), Atuin_161 (FC), BooTeria_158 (FC), Chilliams_166 (FC), DunneganBoMo_158 (FC), Ellewin_158 (FC), FloraSnap32_164 (FC), FrostedClock_170 (FC), GoldenEssence_156 (FC), KSunshine22_163 (FC), Panchaali_160 (FC), Patbob_167 (FC), Phrampa_161 (FC), ReginaGlobina_174 (FC), Rockabye_171 (FC), Stewart25555_158 (FC), Talia1610_170 (FC), WaddleDee_154 (FC),

Start 5:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chaewon_7 (BK2),

Summary by clusters:

There are 2 clusters represented in this pham: FC, BK2,

Info for manual annotations of cluster BK2:
•Start number 5 was manually annotated 1 time for cluster BK2.

Info for manual annotations of cluster FC:
•Start number 4 was manually annotated 14 times for cluster FC.

Gene Information:

Gene: Artu_157 Start: 109245, Stop: 109442, Start Num: 4
Candidate Starts for Artu_157:
(2, 109230), (Start: 4 @109245 has 14 MA's), (7, 109296), (9, 109353),

Gene: Atuin_161 Start: 111687, Stop: 111881, Start Num: 4
Candidate Starts for Atuin_161:
(Start: 4 @111687 has 14 MA's), (9, 111795),

Gene: BooTeria_158 Start: 109325, Stop: 109522, Start Num: 4
Candidate Starts for BooTeria_158:
(2, 109310), (Start: 4 @109325 has 14 MA's), (7, 109376), (9, 109433),

Gene: Chaewon_7 Start: 2242, Stop: 2057, Start Num: 5
Candidate Starts for Chaewon_7:
(Start: 5 @2242 has 1 MA's), (11, 2089),

Gene: Chilliams_166 Start: 103103, Stop: 103294, Start Num: 4

Candidate Starts for Chilliams_166:
(1, 103085), (3, 103091), (Start: 4 @103103 has 14 MA's), (7, 103154), (8, 103184), (10, 103238),

Gene: DunneganBoMo_158 Start: 108594, Stop: 108791, Start Num: 4
Candidate Starts for DunneganBoMo_158:
(2, 108579), (Start: 4 @108594 has 14 MA's), (7, 108645), (9, 108702),

Gene: Ellewin_158 Start: 108698, Stop: 108895, Start Num: 4
Candidate Starts for Ellewin_158:
(2, 108683), (Start: 4 @108698 has 14 MA's), (9, 108806),

Gene: Emmetator_161 Start: 108892, Stop: 109104, Start Num: 2
Candidate Starts for Emmetator_161:
(2, 108892), (Start: 4 @108907 has 14 MA's), (7, 108958), (9, 109015),

Gene: FloraSnap32_164 Start: 110720, Stop: 110905, Start Num: 4
Candidate Starts for FloraSnap32_164:
(Start: 4 @110720 has 14 MA's),

Gene: FrostedClock_170 Start: 112980, Stop: 113153, Start Num: 4
Candidate Starts for FrostedClock_170:
(Start: 4 @112980 has 14 MA's),

Gene: GoldenEssence_156 Start: 105972, Stop: 106145, Start Num: 4
Candidate Starts for GoldenEssence_156:
(Start: 4 @105972 has 14 MA's),

Gene: KSunshine22_163 Start: 109657, Stop: 109854, Start Num: 4
Candidate Starts for KSunshine22_163:
(2, 109642), (Start: 4 @109657 has 14 MA's), (7, 109708), (9, 109765),

Gene: Panchaali_160 Start: 109408, Stop: 109602, Start Num: 4
Candidate Starts for Panchaali_160:
(Start: 4 @109408 has 14 MA's), (9, 109516),

Gene: Patbob_167 Start: 112594, Stop: 112767, Start Num: 4
Candidate Starts for Patbob_167:
(Start: 4 @112594 has 14 MA's),

Gene: Phrampa_161 Start: 114167, Stop: 114343, Start Num: 4
Candidate Starts for Phrampa_161:
(Start: 4 @114167 has 14 MA's), (6, 114188),

Gene: ReginaGlobina_174 Start: 113570, Stop: 113764, Start Num: 4
Candidate Starts for ReginaGlobina_174:
(Start: 4 @113570 has 14 MA's), (9, 113678),

Gene: Rockabye_171 Start: 105115, Stop: 105306, Start Num: 4
Candidate Starts for Rockabye_171:
(Start: 4 @105115 has 14 MA's), (8, 105196),

Gene: Stewart25555_158 Start: 109692, Stop: 109886, Start Num: 4
Candidate Starts for Stewart25555_158:

(Start: 4 @109692 has 14 MA's), (9, 109797),

Gene: Talia1610_170 Start: 112415, Stop: 112588, Start Num: 4
Candidate Starts for Talia1610_170:
(Start: 4 @112415 has 14 MA's),

Gene: WaddleDee_154 Start: 107780, Stop: 107977, Start Num: 4
Candidate Starts for WaddleDee_154:
(2, 107765), (Start: 4 @107780 has 14 MA's), (7, 107831), (9, 107888),