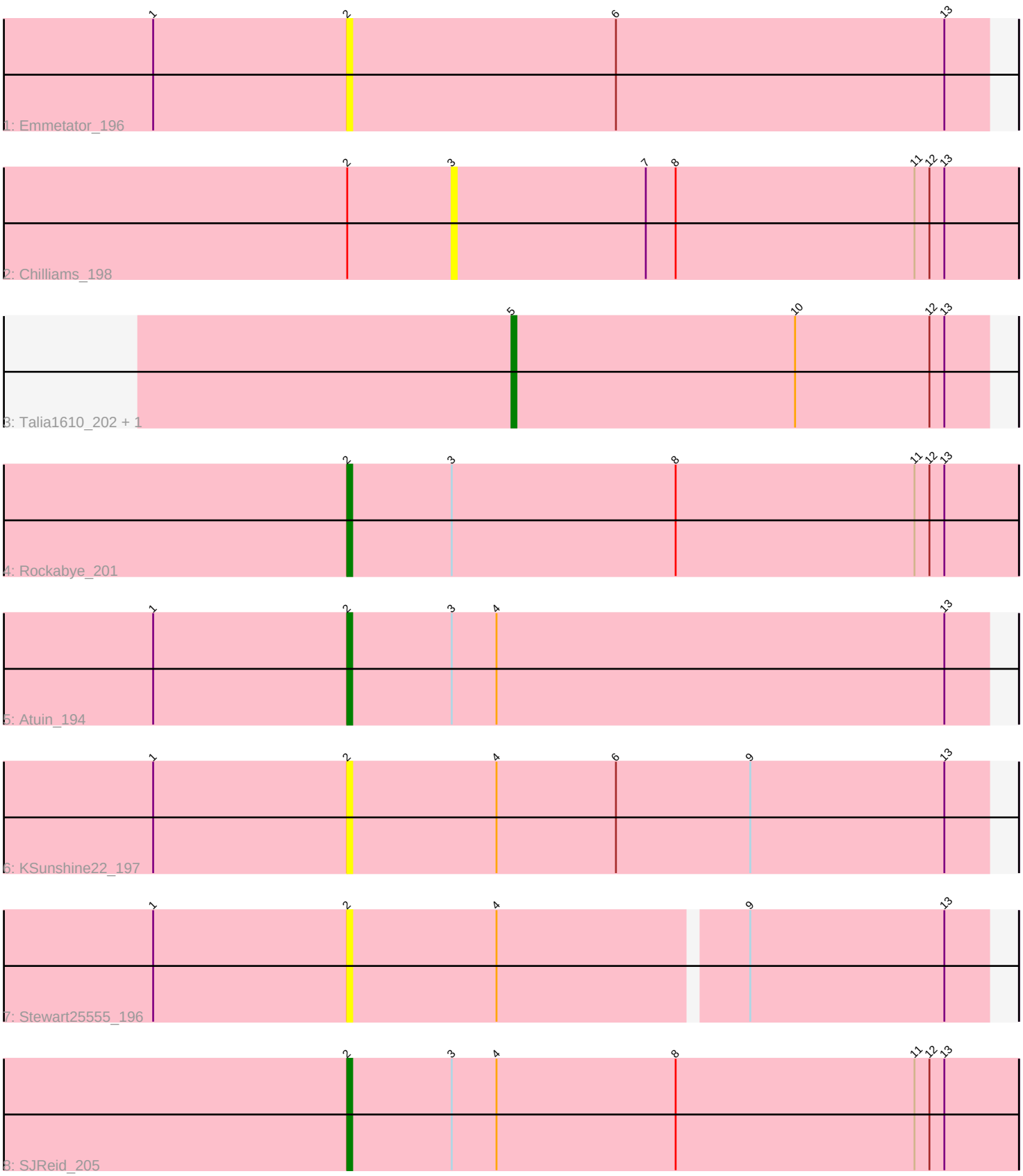
Pham 346450


1
2
6
13
1: Emmetator_196
2
3
7
8
11
12
13
2: Chilliams_198
5
10
12
13
3: Talia1610_202 + 1
2
3
8
11
12
13
4: Rockabye_201
1
2
3
4
13
5: Atuin_194
1
2
4
6
9
13
6: KSunshine22_197
1
2
4
9
13
7: Stewart25555_196
2
3
4
8
11
12
13
8: SJReid_205

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 346450 Report

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

Pham number 346450 has 9 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Emmetator_196
• Track 2 : Chilliams_198
• Track 3 : Talia1610_202, GoldenEssence_189
• Track 4 : Rockabye_201
• Track 5 : Atuin_194
• Track 6 : KSunshine22_197
• Track 7 : Stewart25555_196
• Track 8 : SJReid_205

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_194, Emmetator_196, KSunshine22_197, Rockabye_201, SJReid_205, Stewart25555_196,

Genes that have the "Most Annotated" start but do not call it:
• Chilliams_198,

Genes that do not have the "Most Annotated" start:
• GoldenEssence_189, Talia1610_202,

Summary by start number:

Start 2:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Atuin_194 (FC), Emmetator_196 (FC), KSunshine22_197 (FC), Rockabye_201 (FC), SJReid_205 (FC), Stewart25555_196 (FC),

Start 3:
• Found in 4 of 9 (44.4%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Chilliams_198 (FC),

Start 5:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GoldenEssence_189 (FC), Talia1610_202 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 3 times for cluster FC.
•Start number 5 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Atuin_194 Start: 138696, Stop: 138824, Start Num: 2
Candidate Starts for Atuin_194:
(1, 138657), (Start: 2 @138696 has 3 MA's), (3, 138717), (4, 138726), (13, 138816),

Gene: Chilliams_198 Start: 136108, Stop: 136221, Start Num: 3
Candidate Starts for Chilliams_198:
(Start: 2 @136087 has 3 MA's), (3, 136108), (7, 136147), (8, 136153), (11, 136201), (12, 136204), (13, 136207),

Gene: Emmetator_196 Start: 143262, Stop: 143390, Start Num: 2
Candidate Starts for Emmetator_196:
(1, 143223), (Start: 2 @143262 has 3 MA's), (6, 143316), (13, 143382),

Gene: GoldenEssence_189 Start: 134759, Stop: 134854, Start Num: 5
Candidate Starts for GoldenEssence_189:
(Start: 5 @134759 has 2 MA's), (10, 134816), (12, 134843), (13, 134846),

Gene: KSunshine22_197 Start: 142540, Stop: 142668, Start Num: 2
Candidate Starts for KSunshine22_197:
(1, 142501), (Start: 2 @142540 has 3 MA's), (4, 142570), (6, 142594), (9, 142621), (13, 142660),

Gene: Rockabye_201 Start: 134869, Stop: 135003, Start Num: 2
Candidate Starts for Rockabye_201:
(Start: 2 @134869 has 3 MA's), (3, 134890), (8, 134935), (11, 134983), (12, 134986), (13, 134989),

Gene: SJReid_205 Start: 133658, Stop: 133792, Start Num: 2
Candidate Starts for SJReid_205:

(Start: 2 @133658 has 3 MA's), (3, 133679), (4, 133688), (8, 133724), (11, 133772), (12, 133775), (13, 133778),

Gene: Stewart25555_196 Start: 141926, Stop: 142051, Start Num: 2
Candidate Starts for Stewart25555_196:
(1, 141887), (Start: 2 @141926 has 3 MA's), (4, 141956), (9, 142004), (13, 142043),

Gene: Talia1610_202 Start: 140576, Stop: 140671, Start Num: 5
Candidate Starts for Talia1610_202:
(Start: 5 @140576 has 2 MA's), (10, 140633), (12, 140660), (13, 140663),