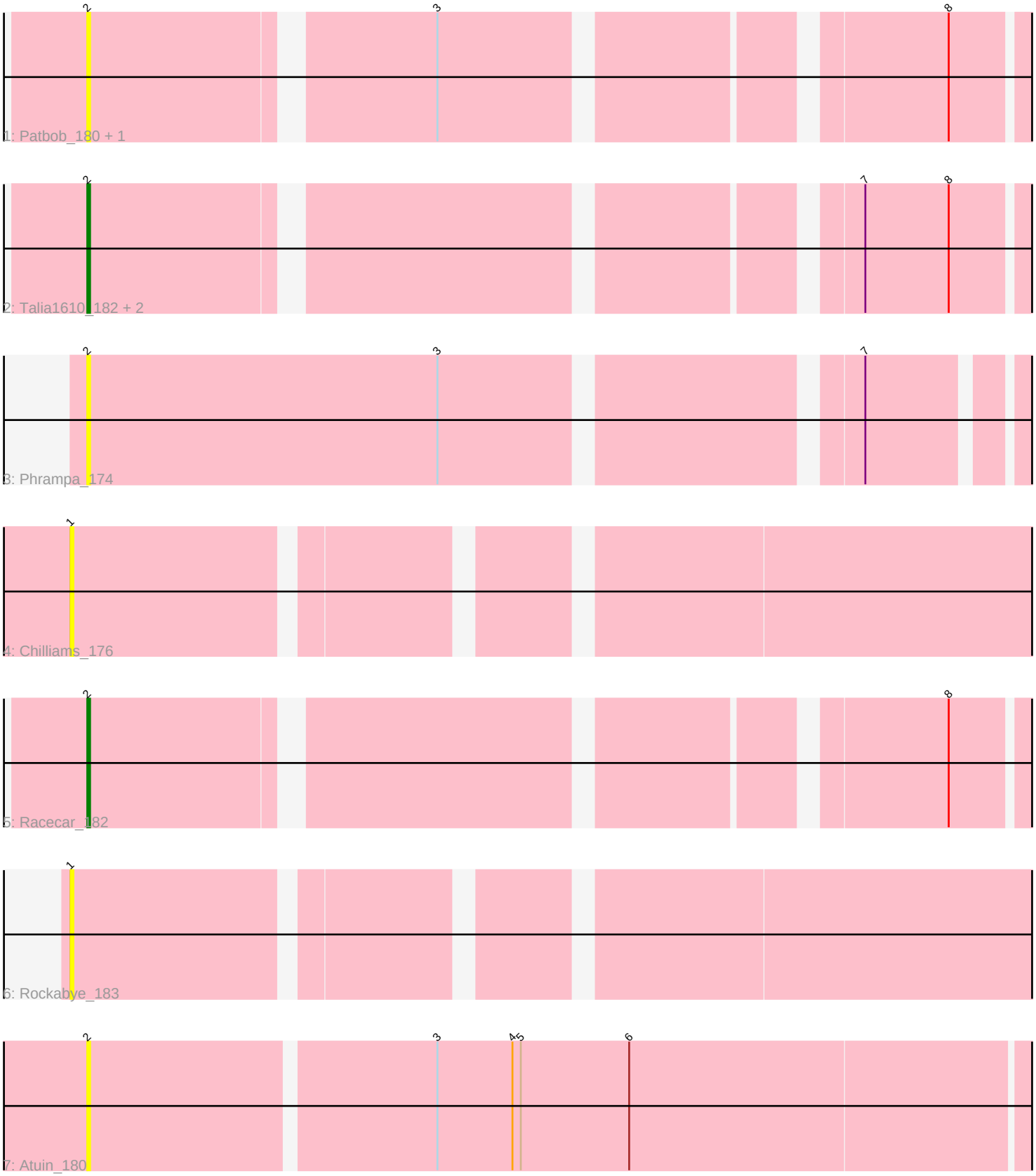
Pham 200851


2
3
8
1: Patbob_180 + 1
2
7
8
2: Talia1610_182 + 2
2
3
7
3: Phrampa_174
1
4: Chilliams_176
2
8
5: Racecar_182
1
6: Rockabye_183
2
3
4
5
6
7: Atuin_180

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 200851 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200851 has 10 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Patbob_180, GoldenEssence_169
• Track 2 : Talia1610_182, Mimi_187, Bloom_185
• Track 3 : Phrampa_174
• Track 4 : Chilliams_176
• Track 5 : Racecar_182
• Track 6 : Rockabye_183
• Track 7 : Atuin_180

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

Genes that call this "Most Annotated" start:
• Atuin_180, Bloom_185, GoldenEssence_169, Mimi_187, Patbob_180, Phrampa_174, Racecar_182, Talia1610_182,

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

Genes that do not have the "Most Annotated" start:
• Chilliams_176, Rockabye_183,

Summary by start number:

Start 1:
• Found in 2 of 10 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chilliams_176 (FC), Rockabye_183 (FC),

Start 2:
• Found in 8 of 10 (80.0%) of genes in pham

• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_180 (FC), Bloom_185 (FC), GoldenEssence_169 (FC), Mimi_187 (FC), Patbob_180 (FC), Phrampa_174 (FC), Racecar_182 (FC), Talia1610_182 (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 2 times for cluster FC.

Gene Information:

Gene: Atuin_180 Start: 120924, Stop: 121382, Start Num: 2
Candidate Starts for Atuin_180:
(Start: 2 @120924 has 2 MA's), (3, 121044), (4, 121071), (5, 121074), (6, 121113),

Gene: Bloom_185 Start: 120721, Stop: 121113, Start Num: 2
Candidate Starts for Bloom_185:
(Start: 2 @120721 has 2 MA's), (7, 120967), (8, 120997),

Gene: Chilliams_176 Start: 110593, Stop: 111000, Start Num: 1
Candidate Starts for Chilliams_176:
(1, 110593),

Gene: GoldenEssence_169 Start: 114288, Stop: 114680, Start Num: 2
Candidate Starts for GoldenEssence_169:
(Start: 2 @114288 has 2 MA's), (3, 114402), (8, 114564),

Gene: Mimi_187 Start: 120348, Stop: 120740, Start Num: 2
Candidate Starts for Mimi_187:
(Start: 2 @120348 has 2 MA's), (7, 120594), (8, 120624),

Gene: Patbob_180 Start: 120910, Stop: 121302, Start Num: 2
Candidate Starts for Patbob_180:
(Start: 2 @120910 has 2 MA's), (3, 121024), (8, 121186),

Gene: Phrampa_174 Start: 122468, Stop: 122887, Start Num: 2
Candidate Starts for Phrampa_174:
(Start: 2 @122468 has 2 MA's), (3, 122594), (7, 122729),

Gene: Racecar_182 Start: 121314, Stop: 121706, Start Num: 2
Candidate Starts for Racecar_182:
(Start: 2 @121314 has 2 MA's), (8, 121590),

Gene: Rockabye_183 Start: 112497, Stop: 112904, Start Num: 1
Candidate Starts for Rockabye_183:
(1, 112497),

Gene: Talia1610_182 Start: 120725, Stop: 121117, Start Num: 2
Candidate Starts for Talia1610_182:
(Start: 2 @120725 has 2 MA's), (7, 120971), (8, 121001),