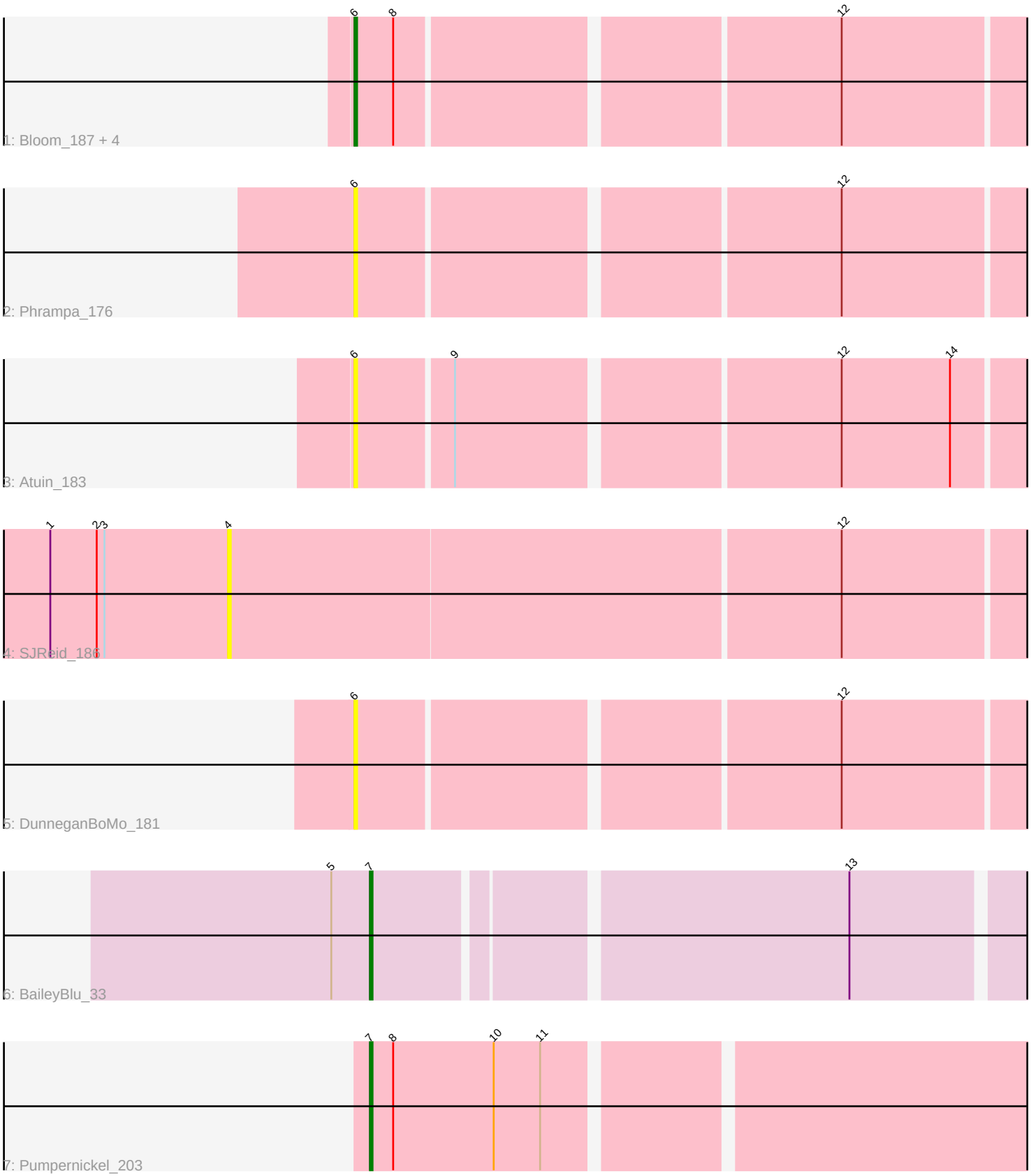
Pham 194533


6
8
12
1: Bloom_187 + 4
6
12
2: Phrampa_176
6
9
12
14
3: Atuin_183
1
23
4
12
4: SJReid_186
6
12
5: DunneganBoMo_181
5
7
13
6: BaileyBlu_33
7
8
10
11
7: Pumpernickel_203

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 194533 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194533 has 11 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Bloom_187, Mimi_189, Patbob_182, Talia1610_184, Racecar_184
• Track 2 : Phrampa_176
• Track 3 : Atuin_183
• Track 4 : SJReid_186
• Track 5 : DunneganBoMo_181
• Track 6 : BaileyBlu_33
• Track 7 : Pumpernickel_203

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_183, Bloom_187, DunneganBoMo_181, Mimi_189, Patbob_182, Phrampa_176, Racecar_184, Talia1610_184,

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

Genes that do not have the "Most Annotated" start:
• BaileyBlu_33, Pumpernickel_203, SJReid_186,

Summary by start number:

Start 4:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SJReid_186 (FC),

Start 6:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 2 of 4

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_183 (FC), Bloom_187 (FC), DunneganBoMo_181 (FC), Mimi_189 (FC), Patbob_182 (FC), Phrampa_176 (FC), Racecar_184 (FC), Talia1610_184 (FC),

Start 7:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaileyBlu_33 (FP), Pumpernickel_203 (GD4),

Summary by clusters:

There are 3 clusters represented in this pham: FP, FC, GD4,

Info for manual annotations of cluster FC:
•Start number 6 was manually annotated 2 times for cluster FC.

Info for manual annotations of cluster FP:
•Start number 7 was manually annotated 1 time for cluster FP.

Info for manual annotations of cluster GD4:
•Start number 7 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: Atuin_183 Start: 122575, Stop: 122829, Start Num: 6
Candidate Starts for Atuin_183:
(Start: 6 @122575 has 2 MA's), (9, 122611), (12, 122752), (14, 122794),

Gene: BaileyBlu_33 Start: 24089, Stop: 24334, Start Num: 7
Candidate Starts for BaileyBlu_33:
(5, 24074), (Start: 7 @24089 has 2 MA's), (13, 24263),

Gene: Bloom_187 Start: 122149, Stop: 122403, Start Num: 6
Candidate Starts for Bloom_187:
(Start: 6 @122149 has 2 MA's), (8, 122164), (12, 122326),

Gene: DunneganBoMo_181 Start: 119214, Stop: 119468, Start Num: 6
Candidate Starts for DunneganBoMo_181:
(Start: 6 @119214 has 2 MA's), (12, 119391),

Gene: Mimi_189 Start: 121776, Stop: 122030, Start Num: 6
Candidate Starts for Mimi_189:
(Start: 6 @121776 has 2 MA's), (8, 121791), (12, 121953),

Gene: Patbob_182 Start: 122338, Stop: 122592, Start Num: 6
Candidate Starts for Patbob_182:
(Start: 6 @122338 has 2 MA's), (8, 122353), (12, 122515),

Gene: Phrampa_176 Start: 123930, Stop: 124184, Start Num: 6
Candidate Starts for Phrampa_176:
(Start: 6 @123930 has 2 MA's), (12, 124107),

Gene: Pumpernickel_203 Start: 117028, Stop: 116777, Start Num: 7
Candidate Starts for Pumpernickel_203:
(Start: 7 @117028 has 2 MA's), (8, 117019), (10, 116980), (11, 116962),

Gene: Racecar_184 Start: 122742, Stop: 122996, Start Num: 6
Candidate Starts for Racecar_184:
(Start: 6 @122742 has 2 MA's), (8, 122757), (12, 122919),

Gene: SJReid_186 Start: 112099, Stop: 112410, Start Num: 4
Candidate Starts for SJReid_186:
(1, 112030), (2, 112048), (3, 112051), (4, 112099), (12, 112333),

Gene: Talia1610_184 Start: 122159, Stop: 122413, Start Num: 6
Candidate Starts for Talia1610_184:
(Start: 6 @122159 has 2 MA's), (8, 122174), (12, 122336),