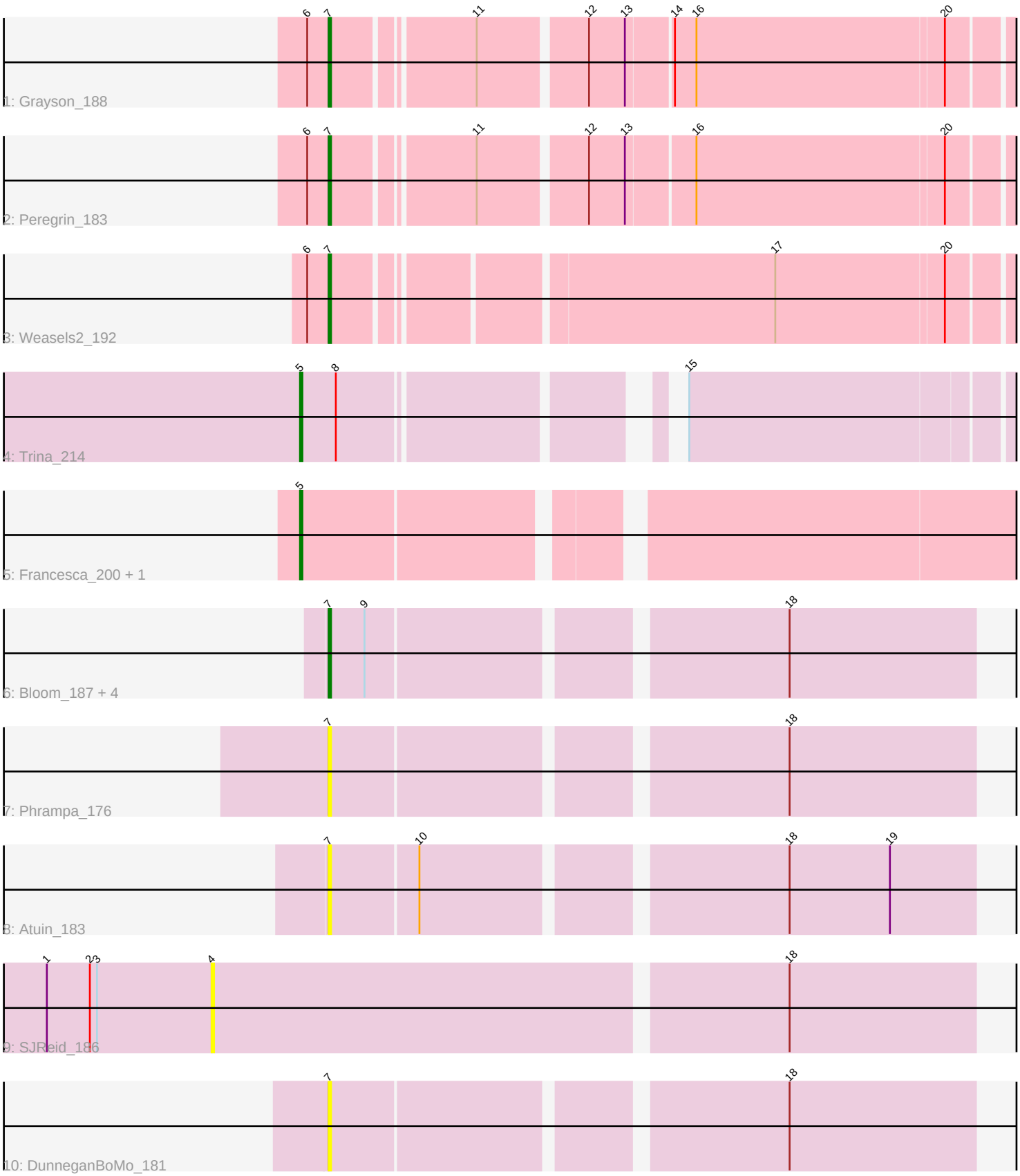
Pham 196945


6
7
11
12
13
14
16
20
1: Grayson_188
6
7
11
12
13
16
20
2: Peregrin_183
6
7
17
20
3: Weasels2_192
5
8
15
4: Trina_214
5
5: Francesca_200 + 1
7
9
18
6: Bloom_187 + 4
7
18
7: Phrampa_176
7
10
18
19
8: Atuin_183
1
23
4
18
9: SJReid_186
7
18
10: DunneganBoMo_181

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 196945 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196945 has 15 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Grayson_188
• Track 2 : Peregrin_183
• Track 3 : Weasels2_192
• Track 4 : Trina_214
• Track 5 : Francesca_200, Dorin_198
• Track 6 : Bloom_187, Mimi_189, Patbob_182, Talia1610_184, Racecar_184
• Track 7 : Phrampa_176
• Track 8 : Atuin_183
• Track 9 : SJReid_186
• Track 10 : DunneganBoMo_181

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_183, Bloom_187, DunneganBoMo_181, Grayson_188, Mimi_189, Patbob_182, Peregrin_183, Phrampa_176, Racecar_184, Talia1610_184, Weasels2_192,

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

Genes that do not have the "Most Annotated" start:
• Dorin_198, Francesca_200, SJReid_186, Trina_214,

Summary by start number:

Start 4:
• Found in 1 of 15 (6.7%) 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 5:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_198 (CG), Francesca_200 (CG), Trina_214 (CE),

Start 7:
• Found in 11 of 15 (73.3%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_183 (FC), Bloom_187 (FC), DunneganBoMo_181 (FC), Grayson_188 (CB), Mimi_189 (FC), Patbob_182 (FC), Peregrin_183 (CB), Phrampa_176 (FC), Racecar_184 (FC), Talia1610_184 (FC), Weasels2_192 (CB),

Summary by clusters:

There are 4 clusters represented in this pham: CB, FC, CG, CE,

Info for manual annotations of cluster CB:
•Start number 7 was manually annotated 3 times for cluster CB.

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

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

Info for manual annotations of cluster FC:
•Start number 7 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Atuin_183 Start: 122575, Stop: 122829, Start Num: 7
Candidate Starts for Atuin_183:
(Start: 7 @122575 has 5 MA's), (10, 122611), (18, 122752), (19, 122794),

Gene: Bloom_187 Start: 122149, Stop: 122403, Start Num: 7
Candidate Starts for Bloom_187:
(Start: 7 @122149 has 5 MA's), (9, 122164), (18, 122326),

Gene: Dorin_198 Start: 108945, Stop: 109226, Start Num: 5
Candidate Starts for Dorin_198:
(Start: 5 @108945 has 3 MA's),

Gene: DunneganBoMo_181 Start: 119214, Stop: 119468, Start Num: 7
Candidate Starts for DunneganBoMo_181:
(Start: 7 @119214 has 5 MA's), (18, 119391),

Gene: Francesca_200 Start: 109865, Stop: 110146, Start Num: 5
Candidate Starts for Francesca_200:
(Start: 5 @109865 has 3 MA's),

Gene: Grayson_188 Start: 98685, Stop: 98954, Start Num: 7
Candidate Starts for Grayson_188:
(6, 98676), (Start: 7 @98685 has 5 MA's), (11, 98739), (12, 98781), (13, 98796), (14, 98814), (16, 98823), (20, 98925),

Gene: Mimi_189 Start: 121776, Stop: 122030, Start Num: 7
Candidate Starts for Mimi_189:
(Start: 7 @121776 has 5 MA's), (9, 121791), (18, 121953),

Gene: Patbob_182 Start: 122338, Stop: 122592, Start Num: 7
Candidate Starts for Patbob_182:
(Start: 7 @122338 has 5 MA's), (9, 122353), (18, 122515),

Gene: Peregrin_183 Start: 97131, Stop: 97400, Start Num: 7
Candidate Starts for Peregrin_183:
(6, 97122), (Start: 7 @97131 has 5 MA's), (11, 97185), (12, 97227), (13, 97242), (16, 97269), (20, 97371),

Gene: Phrampa_176 Start: 123930, Stop: 124184, Start Num: 7
Candidate Starts for Phrampa_176:
(Start: 7 @123930 has 5 MA's), (18, 124107),

Gene: Racecar_184 Start: 122742, Stop: 122996, Start Num: 7
Candidate Starts for Racecar_184:
(Start: 7 @122742 has 5 MA's), (9, 122757), (18, 122919),

Gene: SJReid_186 Start: 112099, Stop: 112410, Start Num: 4
Candidate Starts for SJReid_186:
(1, 112030), (2, 112048), (3, 112051), (4, 112099), (18, 112333),

Gene: Talia1610_184 Start: 122159, Stop: 122413, Start Num: 7
Candidate Starts for Talia1610_184:
(Start: 7 @122159 has 5 MA's), (9, 122174), (18, 122336),

Gene: Trina_214 Start: 114781, Stop: 115047, Start Num: 5
Candidate Starts for Trina_214:
(Start: 5 @114781 has 3 MA's), (8, 114796), (15, 114913),

Gene: Weasels2_192 Start: 102336, Stop: 102605, Start Num: 7
Candidate Starts for Weasels2_192:
(6, 102327), (Start: 7 @102336 has 5 MA's), (17, 102507), (20, 102576),