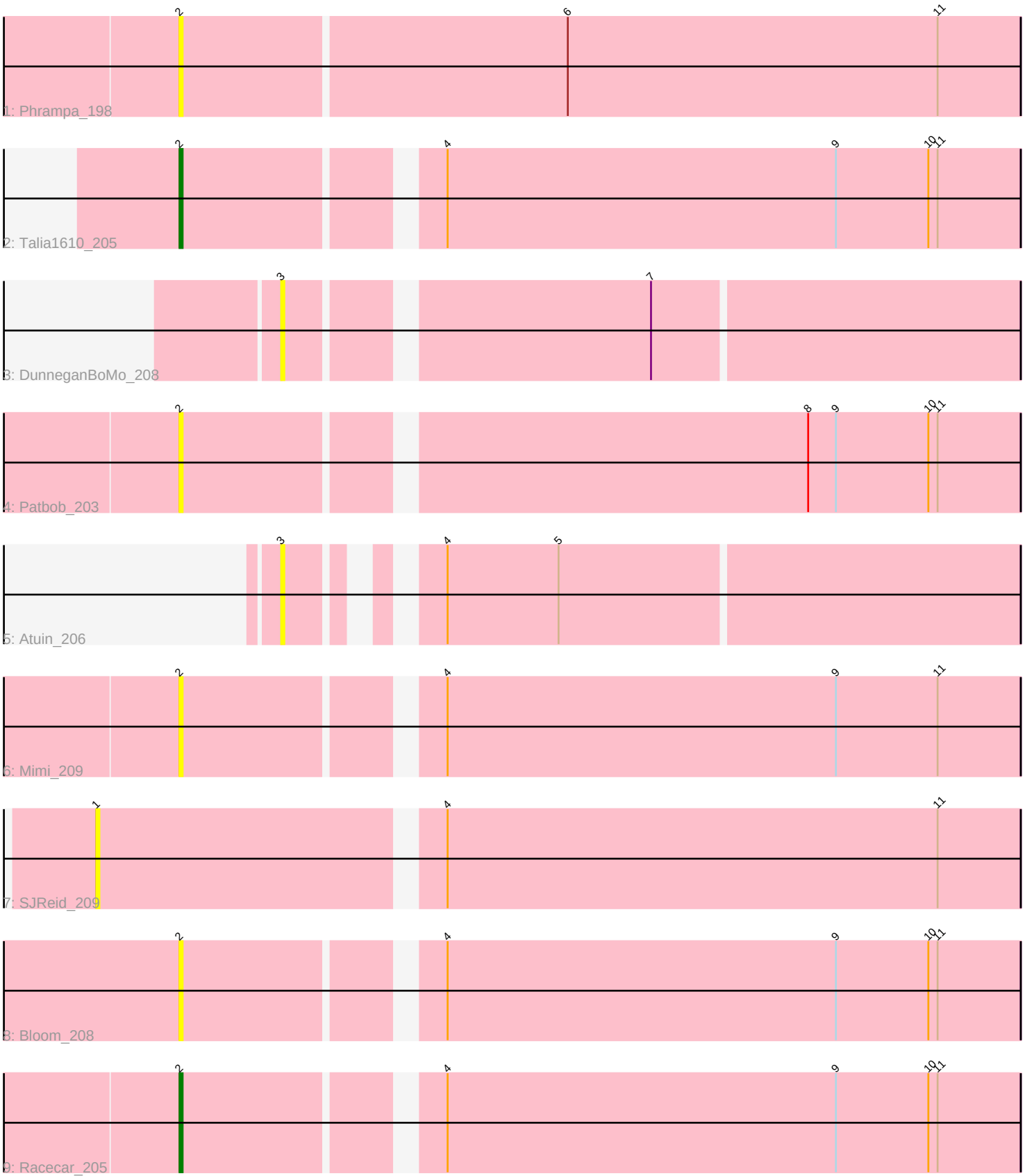
Pham 197090


2
6
11
1: Phrampa_198
2
4
9
10
11
2: Talia1610_205
3
7
3: DunneganBoMo_208
2
8
9
10
11
4: Patbob_203
3
4
5
5: Atuin_206
2
4
9
11
6: Mimi_209
1
4
11
7: SJReid_209
2
4
9
10
11
8: Bloom_208
2
4
9
10
11
9: Racecar_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 197090 Report

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

Pham number 197090 has 9 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Phrampa_198
• Track 2 : Talia1610_205
• Track 3 : DunneganBoMo_208
• Track 4 : Patbob_203
• Track 5 : Atuin_206
• Track 6 : Mimi_209
• Track 7 : SJReid_209
• Track 8 : Bloom_208
• Track 9 : Racecar_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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_208, Mimi_209, Patbob_203, Phrampa_198, Racecar_205, Talia1610_205,

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

Genes that do not have the "Most Annotated" start:
• Atuin_206, DunneganBoMo_208, SJReid_209,

Summary by start number:

Start 1:
• Found in 1 of 9 (11.1%) 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_209 (FC),

Start 2:
• Found in 6 of 9 (66.7%) 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: Bloom_208 (FC), Mimi_209 (FC), Patbob_203 (FC), Phrampa_198 (FC), Racecar_205 (FC), Talia1610_205 (FC),

Start 3:
• Found in 2 of 9 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_206 (FC), DunneganBoMo_208 (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_206 Start: 140989, Stop: 141204, Start Num: 3
Candidate Starts for Atuin_206:
(3, 140989), (4, 141022), (5, 141058),

Gene: Bloom_208 Start: 141986, Stop: 142246, Start Num: 2
Candidate Starts for Bloom_208:
(Start: 2 @141986 has 2 MA's), (4, 142061), (9, 142187), (10, 142217), (11, 142220),

Gene: DunneganBoMo_208 Start: 146262, Stop: 146486, Start Num: 3
Candidate Starts for DunneganBoMo_208:
(3, 146262), (7, 146370),

Gene: Mimi_209 Start: 141362, Stop: 141622, Start Num: 2
Candidate Starts for Mimi_209:
(Start: 2 @141362 has 2 MA's), (4, 141437), (9, 141563), (11, 141596),

Gene: Patbob_203 Start: 141749, Stop: 142009, Start Num: 2
Candidate Starts for Patbob_203:
(Start: 2 @141749 has 2 MA's), (8, 141941), (9, 141950), (10, 141980), (11, 141983),

Gene: Phrampa_198 Start: 141421, Stop: 141690, Start Num: 2
Candidate Starts for Phrampa_198:
(Start: 2 @141421 has 2 MA's), (6, 141544), (11, 141664),

Gene: Racecar_205 Start: 141742, Stop: 142002, Start Num: 2
Candidate Starts for Racecar_205:
(Start: 2 @141742 has 2 MA's), (4, 141817), (9, 141943), (10, 141973), (11, 141976),

Gene: SJReid_209 Start: 135153, Stop: 135443, Start Num: 1
Candidate Starts for SJReid_209:

(1, 135153), (4, 135258), (11, 135417),

Gene: Talia1610_205 Start: 141771, Stop: 142031, Start Num: 2
Candidate Starts for Talia1610_205:
(Start: 2 @141771 has 2 MA's), (4, 141846), (9, 141972), (10, 142002), (11, 142005),