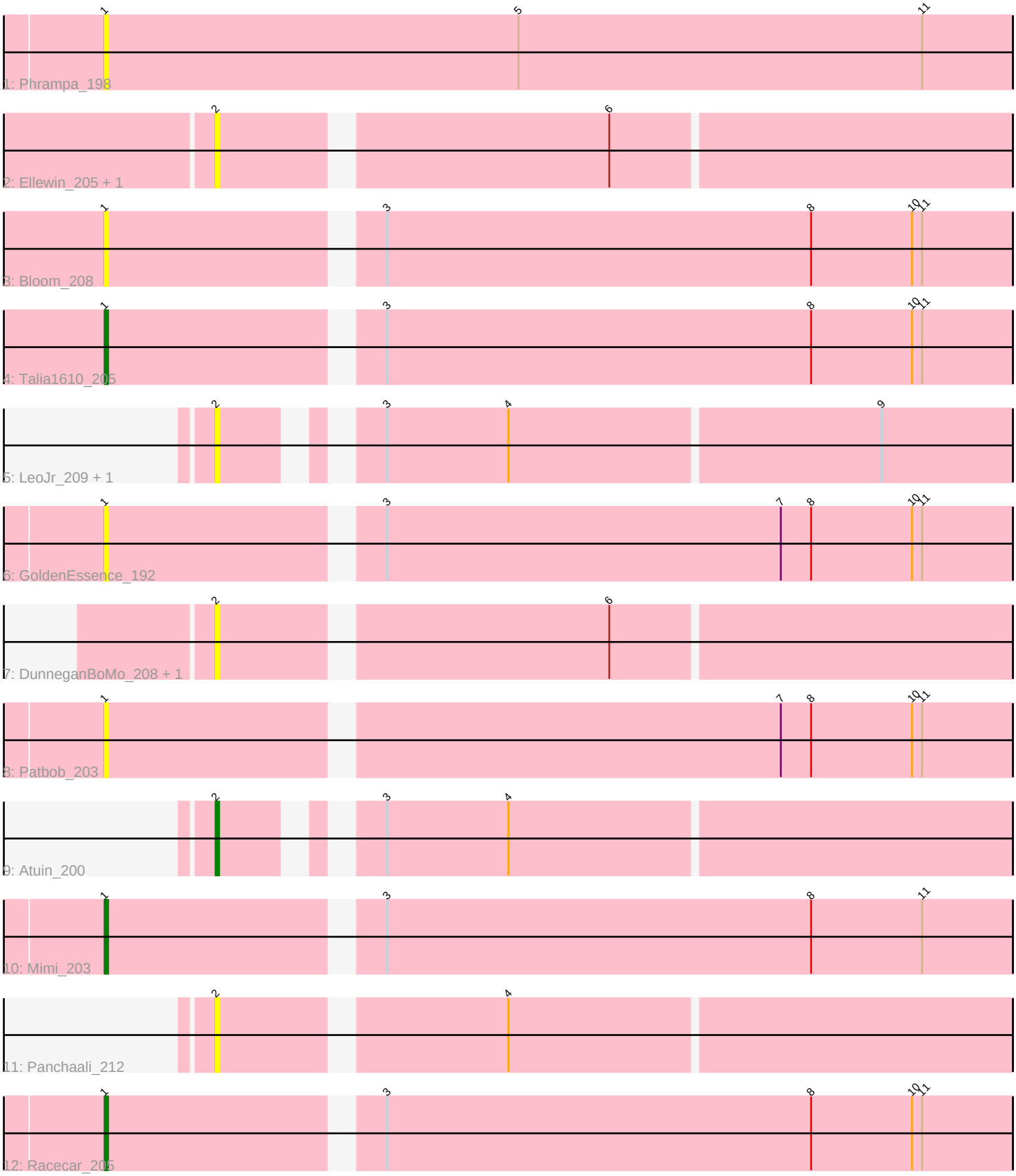
Pham 220222


1
5
11
1: Phrampa_198
2
6
2: Ellewin_205 + 1
1
3
8
10
11
3: Bloom_208
1
3
8
10
11
4: Talia1610_205
2
3
4
9
5: LeoJr_209 + 1
1
3
7
8
10
11
6: GoldenEssence_192
2
6
7: DunneganBoMo_208 + 1
1
7
8
10
11
8: Patbob_203
2
3
4
9: Atuin_200
1
3
8
11
10: Mimi_203
2
4
11: Panchaali_212
1
3
8
10
11
12: 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 220222 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220222 has 15 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Phrampa_198
• Track 2 : Ellewin_205, KSunshine22_204
• Track 3 : Bloom_208
• Track 4 : Talia1610_205
• Track 5 : LeoJr_209, ReginaGlobina_212
• Track 6 : GoldenEssence_192
• Track 7 : DunneganBoMo_208, WaddleDee_206
• Track 8 : Patbob_203
• Track 9 : Atuin_200
• Track 10 : Mimi_203
• Track 11 : Panchaali_212
• Track 12 : 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 1, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_208, GoldenEssence_192, Mimi_203, 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_200, DunneganBoMo_208, Ellewin_205, KSunshine22_204, LeoJr_209, Panchaali_212, ReginaGlobina_212, WaddleDee_206,

Summary by start number:

Start 1:
• Found in 7 of 15 (46.7%) of genes in pham
• Manual Annotations of this start: 3 of 4

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_208 (FC), GoldenEssence_192 (FC), Mimi_203 (FC), Patbob_203 (FC), Phrampa_198 (FC), Racecar_205 (FC), Talia1610_205 (FC),

Start 2:
• Found in 8 of 15 (53.3%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_200 (FC), DunneganBoMo_208 (FC), Ellewin_205 (FC), KSunshine22_204 (FC), LeoJr_209 (FC), Panchaali_212 (FC), ReginaGlobina_212 (FC), WaddleDee_206 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 3 times for cluster FC.
•Start number 2 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Atuin_200 Start: 140989, Stop: 141204, Start Num: 2
Candidate Starts for Atuin_200:
(Start: 2 @140989 has 1 MA's), (3, 141022), (4, 141058),

Gene: Bloom_208 Start: 141986, Stop: 142246, Start Num: 1
Candidate Starts for Bloom_208:
(Start: 1 @141986 has 3 MA's), (3, 142061), (8, 142187), (10, 142217), (11, 142220),

Gene: DunneganBoMo_208 Start: 146262, Stop: 146486, Start Num: 2
Candidate Starts for DunneganBoMo_208:
(Start: 2 @146262 has 1 MA's), (6, 146370),

Gene: Ellewin_205 Start: 145529, Stop: 145753, Start Num: 2
Candidate Starts for Ellewin_205:
(Start: 2 @145529 has 1 MA's), (6, 145637),

Gene: GoldenEssence_192 Start: 135953, Stop: 136213, Start Num: 1
Candidate Starts for GoldenEssence_192:
(Start: 1 @135953 has 3 MA's), (3, 136028), (7, 136145), (8, 136154), (10, 136184), (11, 136187),

Gene: KSunshine22_204 Start: 144940, Stop: 145164, Start Num: 2
Candidate Starts for KSunshine22_204:
(Start: 2 @144940 has 1 MA's), (6, 145048),

Gene: LeoJr_209 Start: 141160, Stop: 141375, Start Num: 2
Candidate Starts for LeoJr_209:
(Start: 2 @141160 has 1 MA's), (3, 141193), (4, 141229), (9, 141337),

Gene: Mimi_203 Start: 141362, Stop: 141622, Start Num: 1
Candidate Starts for Mimi_203:
(Start: 1 @141362 has 3 MA's), (3, 141437), (8, 141563), (11, 141596),

Gene: Panchaali_212 Start: 146866, Stop: 147090, Start Num: 2
Candidate Starts for Panchaali_212:
(Start: 2 @146866 has 1 MA's), (4, 146944),

Gene: Patbob_203 Start: 141749, Stop: 142009, Start Num: 1
Candidate Starts for Patbob_203:
(Start: 1 @141749 has 3 MA's), (7, 141941), (8, 141950), (10, 141980), (11, 141983),

Gene: Phrampa_198 Start: 141421, Stop: 141690, Start Num: 1
Candidate Starts for Phrampa_198:
(Start: 1 @141421 has 3 MA's), (5, 141544), (11, 141664),

Gene: Racecar_205 Start: 141742, Stop: 142002, Start Num: 1
Candidate Starts for Racecar_205:
(Start: 1 @141742 has 3 MA's), (3, 141817), (8, 141943), (10, 141973), (11, 141976),

Gene: ReginaGlobina_212 Start: 142445, Stop: 142660, Start Num: 2
Candidate Starts for ReginaGlobina_212:
(Start: 2 @142445 has 1 MA's), (3, 142478), (4, 142514), (9, 142622),

Gene: Talia1610_205 Start: 141771, Stop: 142031, Start Num: 1
Candidate Starts for Talia1610_205:
(Start: 1 @141771 has 3 MA's), (3, 141846), (8, 141972), (10, 142002), (11, 142005),

Gene: WaddleDee_206 Start: 144723, Stop: 144947, Start Num: 2
Candidate Starts for WaddleDee_206:
(Start: 2 @144723 has 1 MA's), (6, 144831),