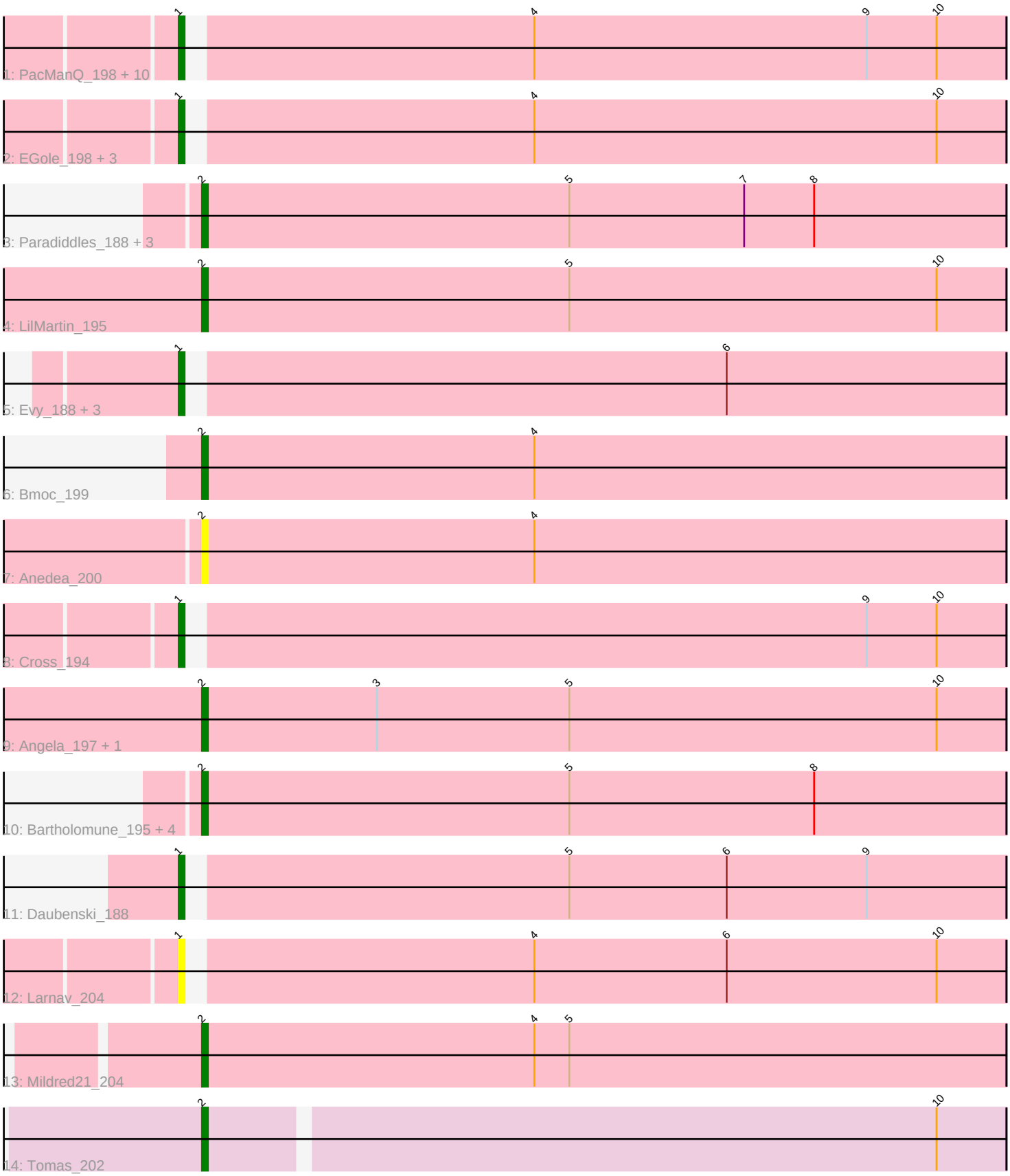
Pham 3103


1: PacManQ_198 + 10
2: EGole_198 + 3
3: Paradiddles_188 + 3
4: LilMartin_195
5: Evy_188 + 3
6: Bmoc_199
7: Anedea_200
8: Cross_194
9: Angela_197 + 1
10: Bartholomune_195 + 4
11: Daubenski_188
12: Larnav_204
13: Mildred21_204
14: Tomas_202

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 3103 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3103 has 38 members, 8 are drafts.

Phages represented in each track:
• Track 1 : PacManQ_198, Tribute_192, WhereRU_199, Peebs_192, Teutsch_193, Lululemon_197, BlueOtter_199, HangryHippo_199, Sushi23_195, Watermoore_194, Pepperwood_194
• Track 2 : EGole_198, Leo04_196, Cursive_195, Samisti12_198
• Track 3 : Paradiddles_188, Braelyn_192, Navo_196, Persimmon_196
• Track 4 : LilMartin_195
• Track 5 : Evy_188, Jay2Jay_200, Targaryen_194, Warpy_198
• Track 6 : Bmoc_199
• Track 7 : Anedea_200
• Track 8 : Cross_194
• Track 9 : Angela_197, MulchMansion_198
• Track 10 : Bartholomune_195, NootNoot_191, PinkiePie_194, Squillium_197, Liandry_194
• Track 11 : Daubenski_188
• Track 12 : Larnav_204
• Track 13 : Mildred21_204
• Track 14 : Tomas_202

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 16 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueOtter_199, Cross_194, Cursive_195, Daubenski_188, EGole_198, Evy_188, HangryHippo_199, Jay2Jay_200, Larnav_204, Leo04_196, Lululemon_197, PacManQ_198, Peebs_192, Pepperwood_194, Samisti12_198, Sushi23_195, Targaryen_194, Teutsch_193, Tribute_192, Warpy_198, Watermoore_194, WhereRU_199,

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

Genes that do not have the "Most Annotated" start:

• Anedea_200, Angela_197, Bartholomune_195, Bmoc_199, Braelyn_192, Liandry_194, LilMartin_195, Mildred21_204, MulchMansion_198, Navo_196, NootNoot_191, Paradiddles_188, Persimmon_196, PinkiePie_194, Squillium_197, Tomas_202,

Summary by start number:

Start 1:
• Found in 22 of 38 (57.9%) of genes in pham
• Manual Annotations of this start: 16 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueOtter_199 (BE1), Cross_194 (BE1), Cursive_195 (BE1), Daubenski_188 (BE1), EGole_198 (BE1), Evy_188 (BE1), HangryHippo_199 (BE1), Jay2Jay_200 (BE1), Larnav_204 (BE1), Leo04_196 (BE1), Lululemon_197 (BE1), PacManQ_198 (BE1), Peebs_192 (BE1), Pepperwood_194 (BE1), Samisti12_198 (BE1), Sushi23_195 (BE1), Targaryen_194 (BE1), Teutsch_193 (BE1), Tribute_192 (BE1), Warpy_198 (BE1), Watermoore_194 (BE1), WhereRU_199 (BE1),

Start 2:
• Found in 16 of 38 (42.1%) of genes in pham
• Manual Annotations of this start: 14 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anedea_200 (BE1), Angela_197 (BE1), Bartholomune_195 (BE1), Bmoc_199 (BE1), Braelyn_192 (BE1), Liandry_194 (BE1), LilMartin_195 (BE1), Mildred21_204 (BE1), MulchMansion_198 (BE1), Navo_196 (BE1), NootNoot_191 (BE1), Paradiddles_188 (BE1), Persimmon_196 (BE1), PinkiePie_194 (BE1), Squillium_197 (BE1), Tomas_202 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 16 times for cluster BE1.
•Start number 2 was manually annotated 13 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 2 was manually annotated 1 time for cluster BE2.

Gene Information:

Gene: Anedea_200 Start: 102263, Stop: 102400, Start Num: 2
Candidate Starts for Anedea_200:
(Start: 2 @102263 has 14 MA's), (4, 102320),

Gene: Angela_197 Start: 101774, Stop: 101911, Start Num: 2
Candidate Starts for Angela_197:
(Start: 2 @101774 has 14 MA's), (3, 101804), (5, 101837), (10, 101900),

Gene: Bartholomune_195 Start: 101571, Stop: 101708, Start Num: 2

Candidate Starts for Bartholomune_195:
(Start: 2 @101571 has 14 MA's), (5, 101634), (8, 101676),

Gene: BlueOtter_199 Start: 102185, Stop: 102322, Start Num: 1
Candidate Starts for BlueOtter_199:
(Start: 1 @102185 has 16 MA's), (4, 102242), (9, 102299), (10, 102311),

Gene: Bmoc_199 Start: 102217, Stop: 102354, Start Num: 2
Candidate Starts for Bmoc_199:
(Start: 2 @102217 has 14 MA's), (4, 102274),

Gene: Braelyn_192 Start: 101221, Stop: 101358, Start Num: 2
Candidate Starts for Braelyn_192:
(Start: 2 @101221 has 14 MA's), (5, 101284), (7, 101314), (8, 101326),

Gene: Cross_194 Start: 102830, Stop: 102967, Start Num: 1
Candidate Starts for Cross_194:
(Start: 1 @102830 has 16 MA's), (9, 102944), (10, 102956),

Gene: Cursive_195 Start: 101732, Stop: 101869, Start Num: 1
Candidate Starts for Cursive_195:
(Start: 1 @101732 has 16 MA's), (4, 101789), (10, 101858),

Gene: Daubenski_188 Start: 102914, Stop: 103051, Start Num: 1
Candidate Starts for Daubenski_188:
(Start: 1 @102914 has 16 MA's), (5, 102977), (6, 103004), (9, 103028),

Gene: EGole_198 Start: 104482, Stop: 104619, Start Num: 1
Candidate Starts for EGole_198:
(Start: 1 @104482 has 16 MA's), (4, 104539), (10, 104608),

Gene: Evy_188 Start: 102877, Stop: 103014, Start Num: 1
Candidate Starts for Evy_188:
(Start: 1 @102877 has 16 MA's), (6, 102967),

Gene: HangryHippo_199 Start: 102185, Stop: 102322, Start Num: 1
Candidate Starts for HangryHippo_199:
(Start: 1 @102185 has 16 MA's), (4, 102242), (9, 102299), (10, 102311),

Gene: Jay2Jay_200 Start: 103029, Stop: 103166, Start Num: 1
Candidate Starts for Jay2Jay_200:
(Start: 1 @103029 has 16 MA's), (6, 103119),

Gene: Larnav_204 Start: 102805, Stop: 102942, Start Num: 1
Candidate Starts for Larnav_204:
(Start: 1 @102805 has 16 MA's), (4, 102862), (6, 102895), (10, 102931),

Gene: Leo04_196 Start: 103196, Stop: 103333, Start Num: 1
Candidate Starts for Leo04_196:
(Start: 1 @103196 has 16 MA's), (4, 103253), (10, 103322),

Gene: Liandry_194 Start: 101890, Stop: 102027, Start Num: 2
Candidate Starts for Liandry_194:

(Start: 2 @101890 has 14 MA's), (5, 101953), (8, 101995),

Gene: LilMartin_195 Start: 101391, Stop: 101528, Start Num: 2
Candidate Starts for LilMartin_195:
(Start: 2 @101391 has 14 MA's), (5, 101454), (10, 101517),

Gene: Lululemon_197 Start: 101566, Stop: 101703, Start Num: 1
Candidate Starts for Lululemon_197:
(Start: 1 @101566 has 16 MA's), (4, 101623), (9, 101680), (10, 101692),

Gene: Mildred21_204 Start: 100660, Stop: 100797, Start Num: 2
Candidate Starts for Mildred21_204:
(Start: 2 @100660 has 14 MA's), (4, 100717), (5, 100723),

Gene: MulchMansion_198 Start: 102773, Stop: 102910, Start Num: 2
Candidate Starts for MulchMansion_198:
(Start: 2 @102773 has 14 MA's), (3, 102803), (5, 102836), (10, 102899),

Gene: Navo_196 Start: 100425, Stop: 100562, Start Num: 2
Candidate Starts for Navo_196:
(Start: 2 @100425 has 14 MA's), (5, 100488), (7, 100518), (8, 100530),

Gene: NootNoot_191 Start: 100679, Stop: 100816, Start Num: 2
Candidate Starts for NootNoot_191:
(Start: 2 @100679 has 14 MA's), (5, 100742), (8, 100784),

Gene: PacManQ_198 Start: 101566, Stop: 101703, Start Num: 1
Candidate Starts for PacManQ_198:
(Start: 1 @101566 has 16 MA's), (4, 101623), (9, 101680), (10, 101692),

Gene: Paradiddles_188 Start: 103348, Stop: 103485, Start Num: 2
Candidate Starts for Paradiddles_188:
(Start: 2 @103348 has 14 MA's), (5, 103411), (7, 103441), (8, 103453),

Gene: Peebs_192 Start: 102478, Stop: 102615, Start Num: 1
Candidate Starts for Peebs_192:
(Start: 1 @102478 has 16 MA's), (4, 102535), (9, 102592), (10, 102604),

Gene: Pepperwood_194 Start: 102436, Stop: 102573, Start Num: 1
Candidate Starts for Pepperwood_194:
(Start: 1 @102436 has 16 MA's), (4, 102493), (9, 102550), (10, 102562),

Gene: Persimmon_196 Start: 100797, Stop: 100934, Start Num: 2
Candidate Starts for Persimmon_196:
(Start: 2 @100797 has 14 MA's), (5, 100860), (7, 100890), (8, 100902),

Gene: PinkiePie_194 Start: 101890, Stop: 102027, Start Num: 2
Candidate Starts for PinkiePie_194:
(Start: 2 @101890 has 14 MA's), (5, 101953), (8, 101995),

Gene: Samisti12_198 Start: 104060, Stop: 104197, Start Num: 1
Candidate Starts for Samisti12_198:
(Start: 1 @104060 has 16 MA's), (4, 104117), (10, 104186),

Gene: Squillium_197 Start: 101892, Stop: 102029, Start Num: 2
Candidate Starts for Squillium_197:
(Start: 2 @101892 has 14 MA's), (5, 101955), (8, 101997),

Gene: Sushi23_195 Start: 103542, Stop: 103679, Start Num: 1
Candidate Starts for Sushi23_195:
(Start: 1 @103542 has 16 MA's), (4, 103599), (9, 103656), (10, 103668),

Gene: Targaryen_194 Start: 103558, Stop: 103695, Start Num: 1
Candidate Starts for Targaryen_194:
(Start: 1 @103558 has 16 MA's), (6, 103648),

Gene: Teutsch_193 Start: 102990, Stop: 103127, Start Num: 1
Candidate Starts for Teutsch_193:
(Start: 1 @102990 has 16 MA's), (4, 103047), (9, 103104), (10, 103116),

Gene: Tomas_202 Start: 102927, Stop: 103061, Start Num: 2
Candidate Starts for Tomas_202:
(Start: 2 @102927 has 14 MA's), (10, 103050),

Gene: Tribute_192 Start: 103007, Stop: 103144, Start Num: 1
Candidate Starts for Tribute_192:
(Start: 1 @103007 has 16 MA's), (4, 103064), (9, 103121), (10, 103133),

Gene: Warpy_198 Start: 102470, Stop: 102607, Start Num: 1
Candidate Starts for Warpy_198:
(Start: 1 @102470 has 16 MA's), (6, 102560),

Gene: Watermoore_194 Start: 103828, Stop: 103965, Start Num: 1
Candidate Starts for Watermoore_194:
(Start: 1 @103828 has 16 MA's), (4, 103885), (9, 103942), (10, 103954),

Gene: WhereRU_199 Start: 101369, Stop: 101506, Start Num: 1
Candidate Starts for WhereRU_199:
(Start: 1 @101369 has 16 MA's), (4, 101426), (9, 101483), (10, 101495),