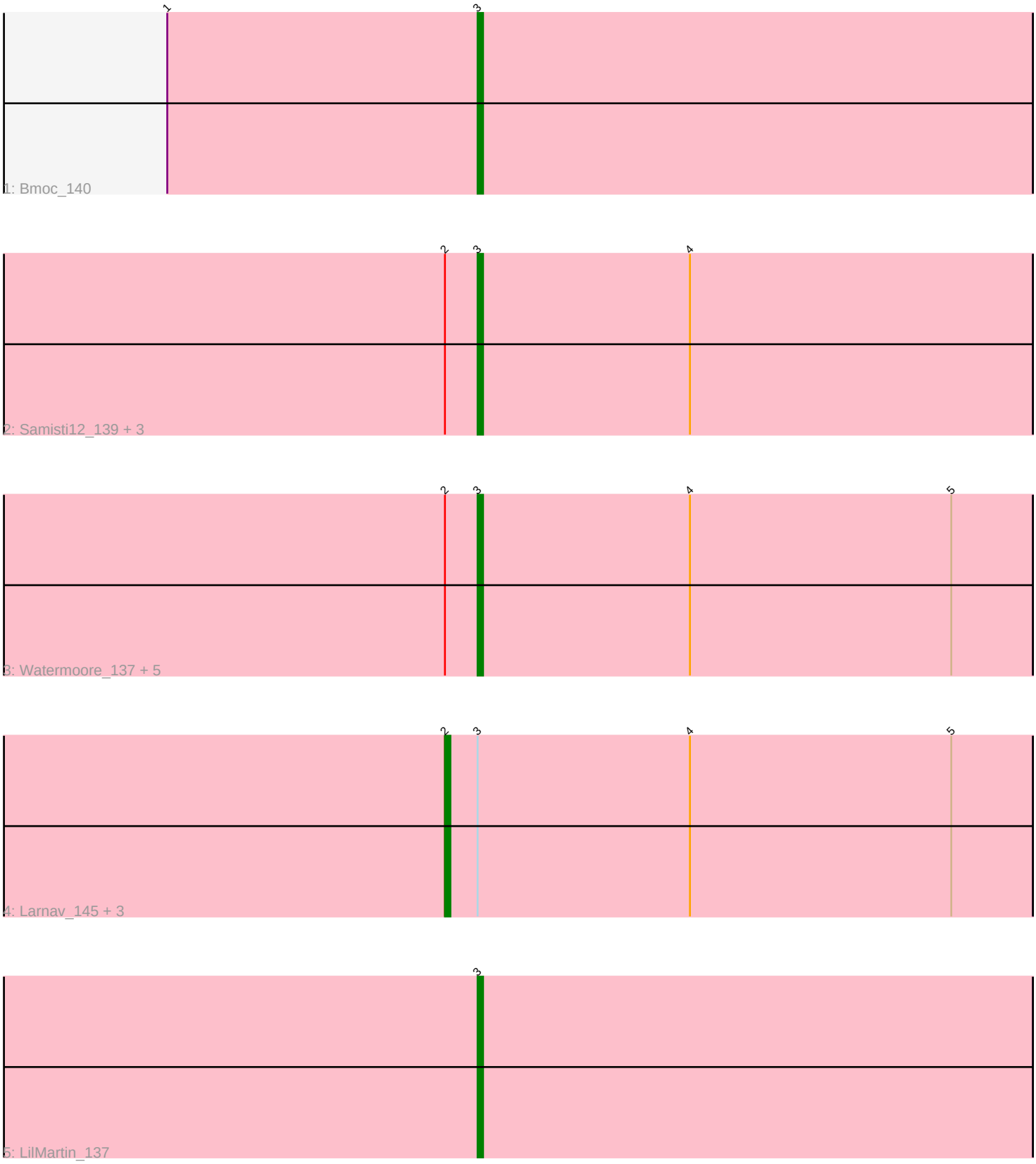
Pham 6318


1
3
1: Bmoc_140
2
3
4
2: Samisti12_139 + 3
2
3
4
5
3: Watermoore_137 + 5
2
3
4
5
4: Larnav_145 + 3
3
5: LilMartin_137

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 6318 Report

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

Pham number 6318 has 16 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Bmoc_140
• Track 2 : Samisti12_139, Pepperwood_137, Sushi23_137, Tribute_137
• Track 3 : Watermoore_137, Cursive_136, Cross_138, Leo04_139, BlueOtter_140, HangryHippo_140
• Track 4 : Larnav_145, PacManQ_139, Teutsch_137, Lululemon_139
• Track 5 : LilMartin_137

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueOtter_140, Bmoc_140, Cross_138, Cursive_136, HangryHippo_140, Leo04_139, LilMartin_137, Pepperwood_137, Samisti12_139, Sushi23_137, Tribute_137, Watermoore_137,

Genes that have the "Most Annotated" start but do not call it:
• Larnav_145, Lululemon_139, PacManQ_139, Teutsch_137,

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

Summary by start number:

Start 2:
• Found in 14 of 16 (87.5%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Larnav_145 (BE1), Lululemon_139 (BE1), PacManQ_139 (BE1), Teutsch_137 (BE1),

Start 3:
• Found in 16 of 16 (100.0%) of genes in pham

• Manual Annotations of this start: 10 of 11
• Called 75.0% of time when present
• Phage (with cluster) where this start called: BlueOtter_140 (BE1), Bmoc_140 (BE1), Cross_138 (BE1), Cursive_136 (BE1), HangryHippo_140 (BE1), Leo04_139 (BE1), LilMartin_137 (BE1), Pepperwood_137 (BE1), Samisti12_139 (BE1), Sushi23_137 (BE1), Tribute_137 (BE1), Watermoore_137 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:
•Start number 2 was manually annotated 1 time for cluster BE1.
•Start number 3 was manually annotated 10 times for cluster BE1.

Gene Information:

Gene: BlueOtter_140 Start: 86940, Stop: 87041, Start Num: 3
Candidate Starts for BlueOtter_140:
(Start: 2 @86934 has 1 MA's), (Start: 3 @86940 has 10 MA's), (4, 86979), (5, 87027),

Gene: Bmoc_140 Start: 85356, Stop: 85457, Start Num: 3
Candidate Starts for Bmoc_140:
(1, 85299), (Start: 3 @85356 has 10 MA's),

Gene: Cross_138 Start: 86941, Stop: 87042, Start Num: 3
Candidate Starts for Cross_138:
(Start: 2 @86935 has 1 MA's), (Start: 3 @86941 has 10 MA's), (4, 86980), (5, 87028),

Gene: Cursive_136 Start: 85150, Stop: 85251, Start Num: 3
Candidate Starts for Cursive_136:
(Start: 2 @85144 has 1 MA's), (Start: 3 @85150 has 10 MA's), (4, 85189), (5, 85237),

Gene: HangryHippo_140 Start: 86940, Stop: 87041, Start Num: 3
Candidate Starts for HangryHippo_140:
(Start: 2 @86934 has 1 MA's), (Start: 3 @86940 has 10 MA's), (4, 86979), (5, 87027),

Gene: Larnav_145 Start: 86918, Stop: 87025, Start Num: 2
Candidate Starts for Larnav_145:
(Start: 2 @86918 has 1 MA's), (Start: 3 @86924 has 10 MA's), (4, 86963), (5, 87011),

Gene: Leo04_139 Start: 87440, Stop: 87541, Start Num: 3
Candidate Starts for Leo04_139:
(Start: 2 @87434 has 1 MA's), (Start: 3 @87440 has 10 MA's), (4, 87479), (5, 87527),

Gene: LilMartin_137 Start: 84854, Stop: 84955, Start Num: 3
Candidate Starts for LilMartin_137:
(Start: 3 @84854 has 10 MA's),

Gene: Lululemon_139 Start: 86315, Stop: 86422, Start Num: 2
Candidate Starts for Lululemon_139:

(Start: 2 @86315 has 1 MA's), (Start: 3 @86321 has 10 MA's), (4, 86360), (5, 86408),

Gene: PacManQ_139 Start: 86315, Stop: 86422, Start Num: 2
Candidate Starts for PacManQ_139:
(Start: 2 @86315 has 1 MA's), (Start: 3 @86321 has 10 MA's), (4, 86360), (5, 86408),

Gene: Pepperwood_137 Start: 86760, Stop: 86861, Start Num: 3
Candidate Starts for Pepperwood_137:
(Start: 2 @86754 has 1 MA's), (Start: 3 @86760 has 10 MA's), (4, 86799),

Gene: Samisti12_139 Start: 88012, Stop: 88113, Start Num: 3
Candidate Starts for Samisti12_139:
(Start: 2 @88006 has 1 MA's), (Start: 3 @88012 has 10 MA's), (4, 88051),

Gene: Sushi23_137 Start: 86986, Stop: 87087, Start Num: 3
Candidate Starts for Sushi23_137:
(Start: 2 @86980 has 1 MA's), (Start: 3 @86986 has 10 MA's), (4, 87025),

Gene: Teutsch_137 Start: 87292, Stop: 87399, Start Num: 2
Candidate Starts for Teutsch_137:
(Start: 2 @87292 has 1 MA's), (Start: 3 @87298 has 10 MA's), (4, 87337), (5, 87385),

Gene: Tribute_137 Start: 87178, Stop: 87279, Start Num: 3
Candidate Starts for Tribute_137:
(Start: 2 @87172 has 1 MA's), (Start: 3 @87178 has 10 MA's), (4, 87217),

Gene: Watermoore_137 Start: 87512, Stop: 87613, Start Num: 3
Candidate Starts for Watermoore_137:
(Start: 2 @87506 has 1 MA's), (Start: 3 @87512 has 10 MA's), (4, 87551), (5, 87599),