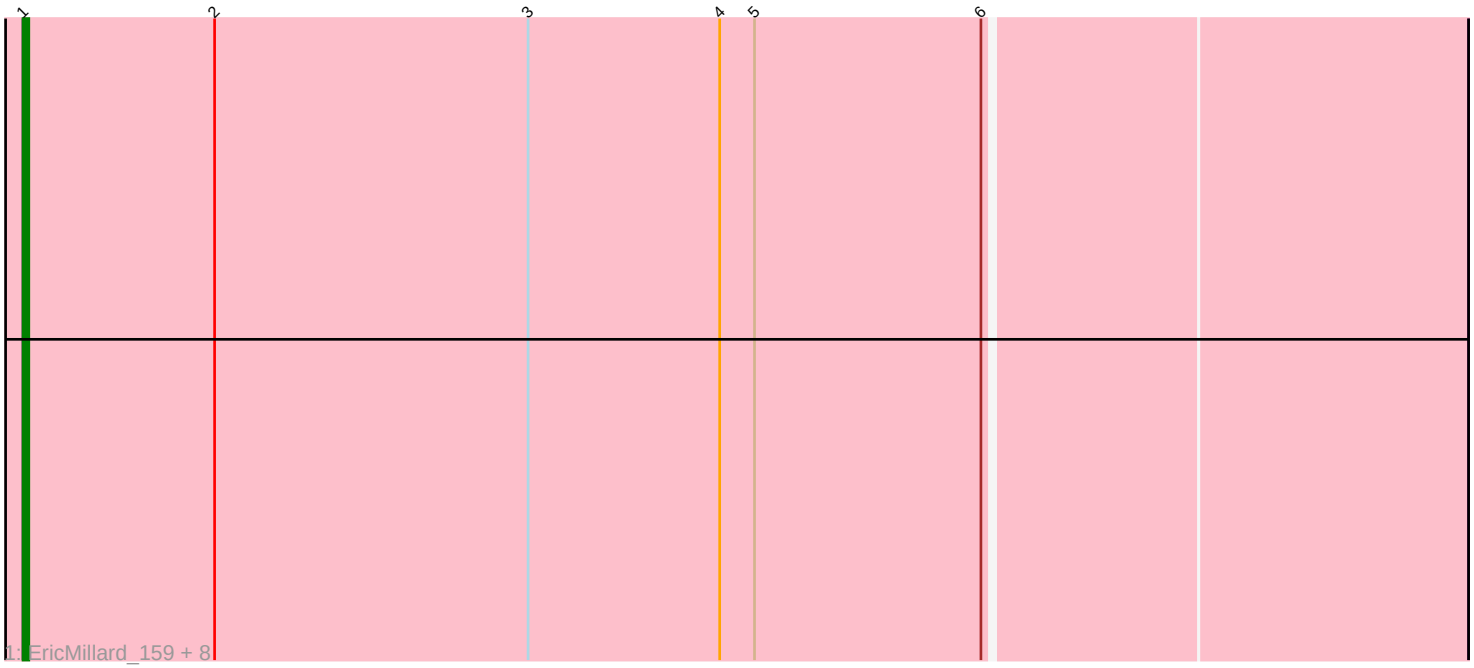
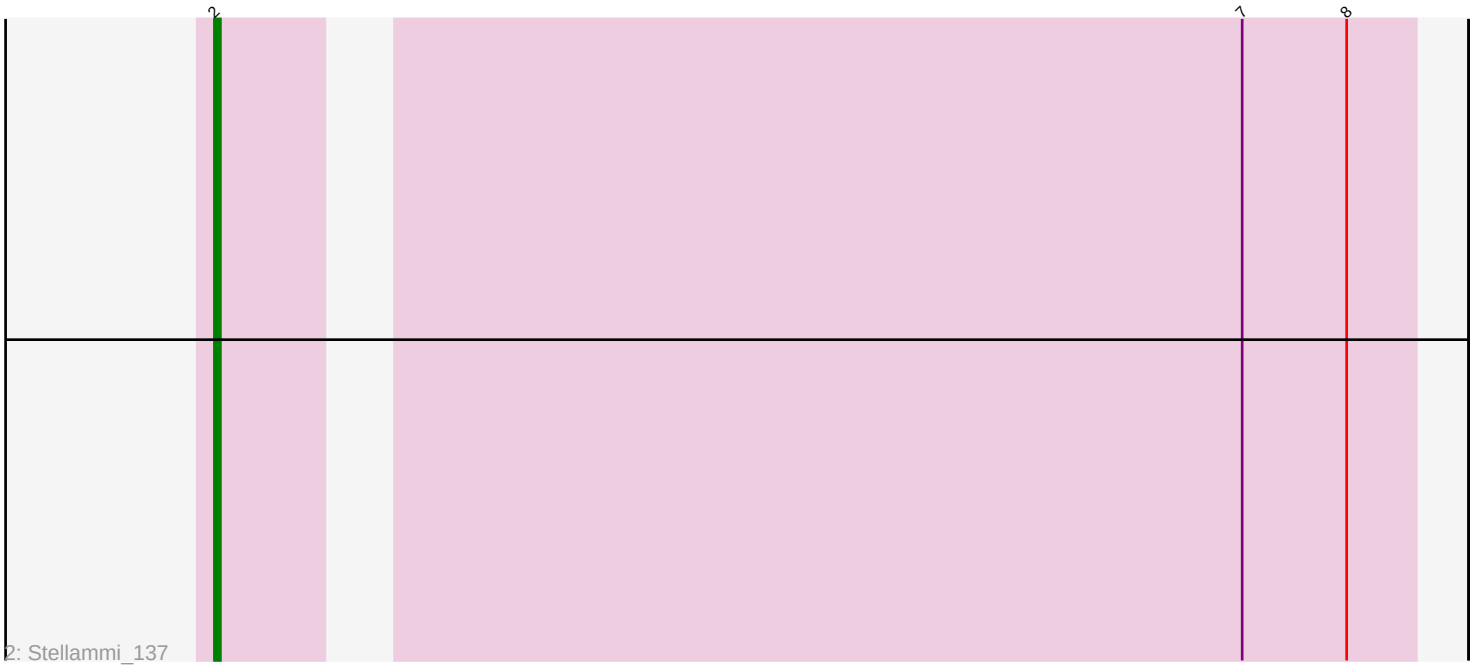
Pham 344640





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 344640 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344640 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : EricMillard_159, Klein_164, BAKA_166, Kalah2_157, Bagrid_169, Marleymoo_148, Bobby_153, Duke13_163, Optimus_157
• Track 2 : Stellammi_137

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

Genes that call this "Most Annotated" start:
• BAKA_166, Bagrid_169, Bobby_153, Duke13_163, EricMillard_159, Kalah2_157, Klein_164, Marleymoo_148, Optimus_157,

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

Genes that do not have the "Most Annotated" start:
• Stellammi_137,

Summary by start number:

Start 1:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_166 (J), Bagrid_169 (J), Bobby_153 (J), Duke13_163 (J), EricMillard_159 (J), Kalah2_157 (J), Klein_164 (J), Marleymoo_148 (J), Optimus_157 (J),

Start 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Stellammi_137 (UNK),

Summary by clusters:

There are 2 clusters represented in this pham: J, UNK,

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 7 times for cluster J.

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

Gene Information:

Gene: BAKA_166 Start: 86863, Stop: 87108, Start Num: 1
Candidate Starts for BAKA_166:
(Start: 1 @86863 has 7 MA's), (Start: 2 @86896 has 1 MA's), (3, 86950), (4, 86983), (5, 86989), (6, 87028),

Gene: Bagrid_169 Start: 88092, Stop: 88337, Start Num: 1
Candidate Starts for Bagrid_169:
(Start: 1 @88092 has 7 MA's), (Start: 2 @88125 has 1 MA's), (3, 88179), (4, 88212), (5, 88218), (6, 88257),

Gene: Bobby_153 Start: 87833, Stop: 88078, Start Num: 1
Candidate Starts for Bobby_153:
(Start: 1 @87833 has 7 MA's), (Start: 2 @87866 has 1 MA's), (3, 87920), (4, 87953), (5, 87959), (6, 87998),

Gene: Duke13_163 Start: 85359, Stop: 85604, Start Num: 1
Candidate Starts for Duke13_163:
(Start: 1 @85359 has 7 MA's), (Start: 2 @85392 has 1 MA's), (3, 85446), (4, 85479), (5, 85485), (6, 85524),

Gene: EricMillard_159 Start: 86702, Stop: 86947, Start Num: 1
Candidate Starts for EricMillard_159:
(Start: 1 @86702 has 7 MA's), (Start: 2 @86735 has 1 MA's), (3, 86789), (4, 86822), (5, 86828), (6, 86867),

Gene: Kalah2_157 Start: 86290, Stop: 86535, Start Num: 1
Candidate Starts for Kalah2_157:
(Start: 1 @86290 has 7 MA's), (Start: 2 @86323 has 1 MA's), (3, 86377), (4, 86410), (5, 86416), (6, 86455),

Gene: Klein_164 Start: 84650, Stop: 84895, Start Num: 1
Candidate Starts for Klein_164:
(Start: 1 @84650 has 7 MA's), (Start: 2 @84683 has 1 MA's), (3, 84737), (4, 84770), (5, 84776), (6, 84815),

Gene: Marleymoo_148 Start: 83925, Stop: 84170, Start Num: 1
Candidate Starts for Marleymoo_148:

(Start: 1 @83925 has 7 MA's), (Start: 2 @83958 has 1 MA's), (3, 84012), (4, 84045), (5, 84051), (6, 84090),

Gene: Optimus_157 Start: 85179, Stop: 85424, Start Num: 1
Candidate Starts for Optimus_157:
(Start: 1 @85179 has 7 MA's), (Start: 2 @85212 has 1 MA's), (3, 85266), (4, 85299), (5, 85305), (6, 85344),

Gene: Stellammi_137 Start: 63474, Stop: 63668, Start Num: 2
Candidate Starts for Stellammi_137:
(Start: 2 @63474 has 1 MA's), (7, 63639), (8, 63657),