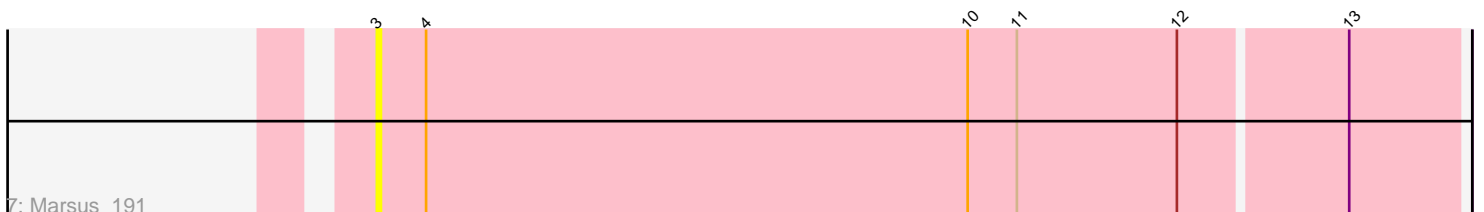
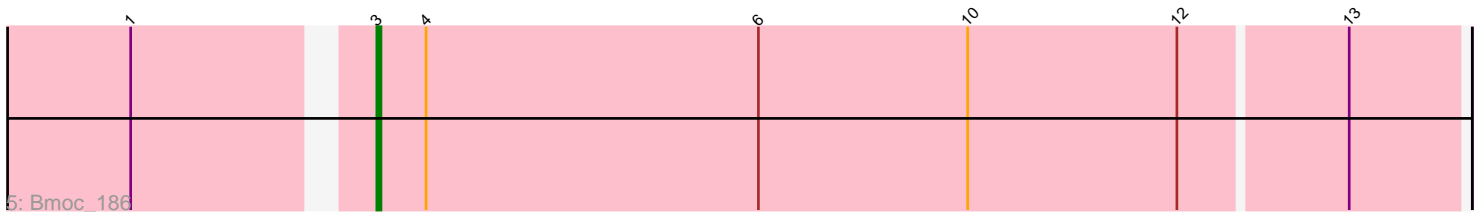
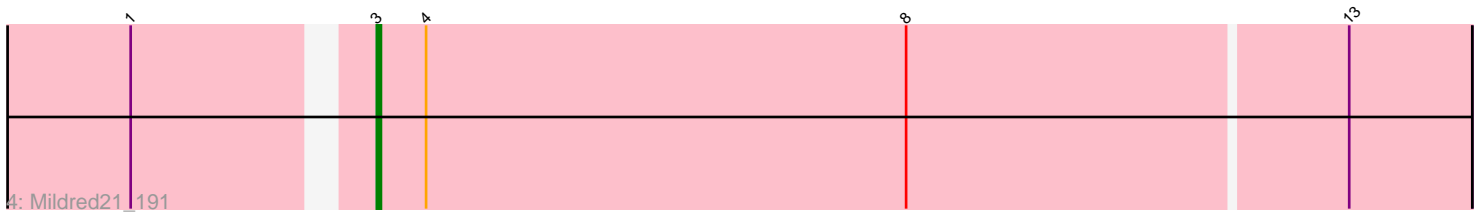
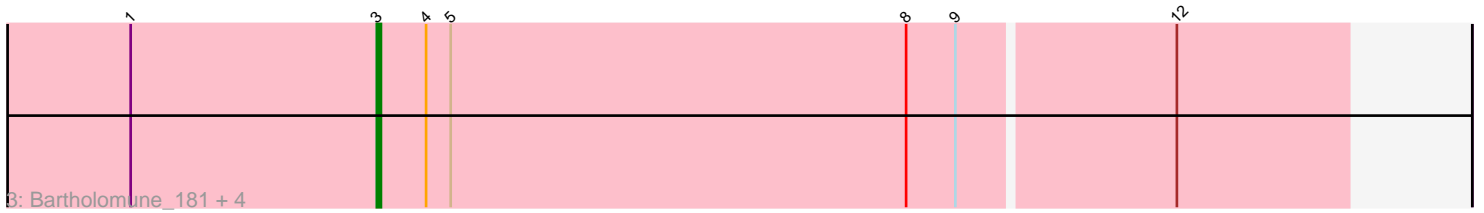
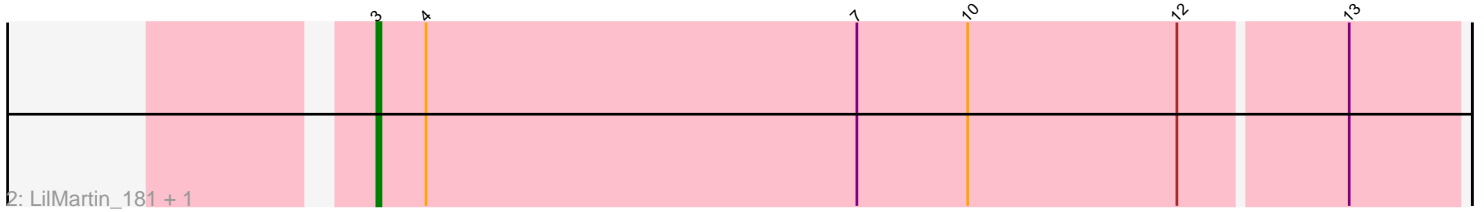
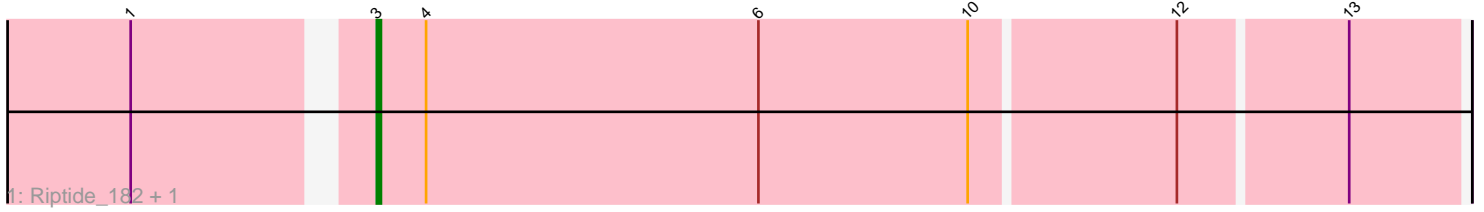


Pham 216707



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 216707 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216707 has 13 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Riptide_182, Anedea_185
- Track 2 : LilMartin_181, Angela_183
- Track 3 : Bartholomune_181, Liandry_181, Squillium_184, Shuckle_184, PinkiePie_181
- Track 4 : Mildred21_191
- Track 5 : Bmoc_186
- Track 6 : MulchMansion_184
- Track 7 : Marsus_191

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 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anedea_185, Angela_183, Bartholomune_181, Bmoc_186, Liandry_181, LilMartin_181, Marsus_191, Mildred21_191, MulchMansion_184, PinkiePie_181, Riptide_182, Shuckle_184, Squillium_184,

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

-

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

-

Summary by start number:

Start 3:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anedea_185 (BE1), Angela_183 (BE1), Bartholomune_181 (BE1), Bmoc_186 (BE1), Liandry_181 (BE1), LilMartin_181 (BE1), Marsus_191 (BE1), Mildred21_191 (BE1), MulchMansion_184 (BE1), PinkiePie_181

(BE1), Riptide_182 (BE1), Shuckle_184 (BE1), Squillium_184 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:

•Start number 3 was manually annotated 10 times for cluster BE1.

Gene Information:

Gene: Anedea_185 Start: 96500, Stop: 96757, Start Num: 3

Candidate Starts for Anedea_185:

(1, 96449), (Start: 3 @96500 has 10 MA's), (4, 96512), (6, 96593), (10, 96644), (12, 96692), (13, 96731),

Gene: Angela_183 Start: 96479, Stop: 96739, Start Num: 3

Candidate Starts for Angela_183:

(Start: 3 @96479 has 10 MA's), (4, 96491), (7, 96596), (10, 96623), (12, 96674), (13, 96713),

Gene: Bartholomune_181 Start: 96007, Stop: 96240, Start Num: 3

Candidate Starts for Bartholomune_181:

(1, 95947), (Start: 3 @96007 has 10 MA's), (4, 96019), (5, 96025), (8, 96136), (9, 96148), (12, 96199),

Gene: Bmoc_186 Start: 97251, Stop: 97511, Start Num: 3

Candidate Starts for Bmoc_186:

(1, 97200), (Start: 3 @97251 has 10 MA's), (4, 97263), (6, 97344), (10, 97395), (12, 97446), (13, 97485),

Gene: Liandry_181 Start: 96750, Stop: 96983, Start Num: 3

Candidate Starts for Liandry_181:

(1, 96690), (Start: 3 @96750 has 10 MA's), (4, 96762), (5, 96768), (8, 96879), (9, 96891), (12, 96942),

Gene: LilMartin_181 Start: 96098, Stop: 96358, Start Num: 3

Candidate Starts for LilMartin_181:

(Start: 3 @96098 has 10 MA's), (4, 96110), (7, 96215), (10, 96242), (12, 96293), (13, 96332),

Gene: Marsus_191 Start: 97053, Stop: 97313, Start Num: 3

Candidate Starts for Marsus_191:

(Start: 3 @97053 has 10 MA's), (4, 97065), (10, 97197), (11, 97209), (12, 97248), (13, 97287),

Gene: Mildred21_191 Start: 96364, Stop: 96627, Start Num: 3

Candidate Starts for Mildred21_191:

(1, 96313), (Start: 3 @96364 has 10 MA's), (4, 96376), (8, 96493), (13, 96598),

Gene: MulchMansion_184 Start: 97478, Stop: 97738, Start Num: 3

Candidate Starts for MulchMansion_184:

(2, 97460), (Start: 3 @97478 has 10 MA's), (4, 97490), (7, 97595), (10, 97622), (12, 97673), (13, 97712),

Gene: PinkiePie_181 Start: 96750, Stop: 96983, Start Num: 3

Candidate Starts for PinkiePie_181:

(1, 96690), (Start: 3 @96750 has 10 MA's), (4, 96762), (5, 96768), (8, 96879), (9, 96891), (12, 96942),

Gene: Riptide_182 Start: 95139, Stop: 95396, Start Num: 3

Candidate Starts for Riptide_182:

(1, 95088), (Start: 3 @95139 has 10 MA's), (4, 95151), (6, 95232), (10, 95283), (12, 95331), (13, 95370),

Gene: Shuckle_184 Start: 97599, Stop: 97832, Start Num: 3

Candidate Starts for Shuckle_184:

(1, 97539), (Start: 3 @97599 has 10 MA's), (4, 97611), (5, 97617), (8, 97728), (9, 97740), (12, 97791),

Gene: Squillium_184 Start: 96752, Stop: 96985, Start Num: 3

Candidate Starts for Squillium_184:

(1, 96692), (Start: 3 @96752 has 10 MA's), (4, 96764), (5, 96770), (8, 96881), (9, 96893), (12, 96944),