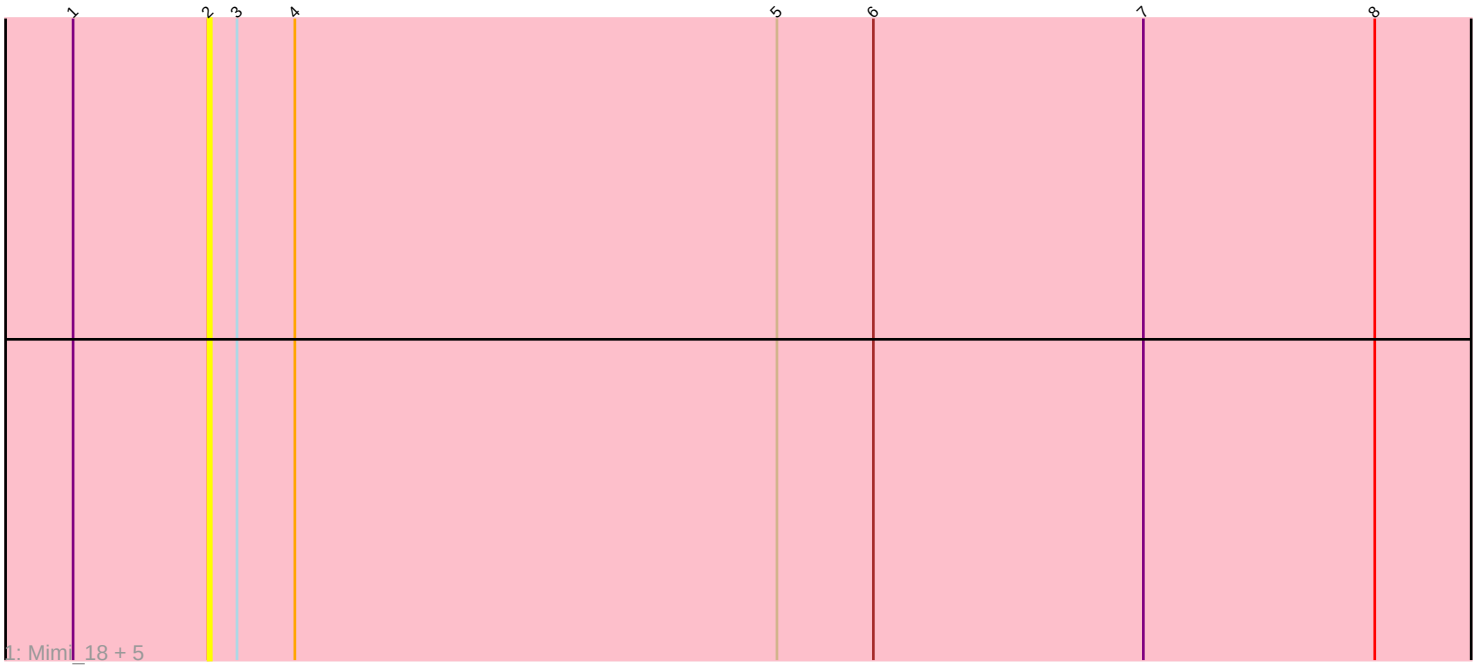
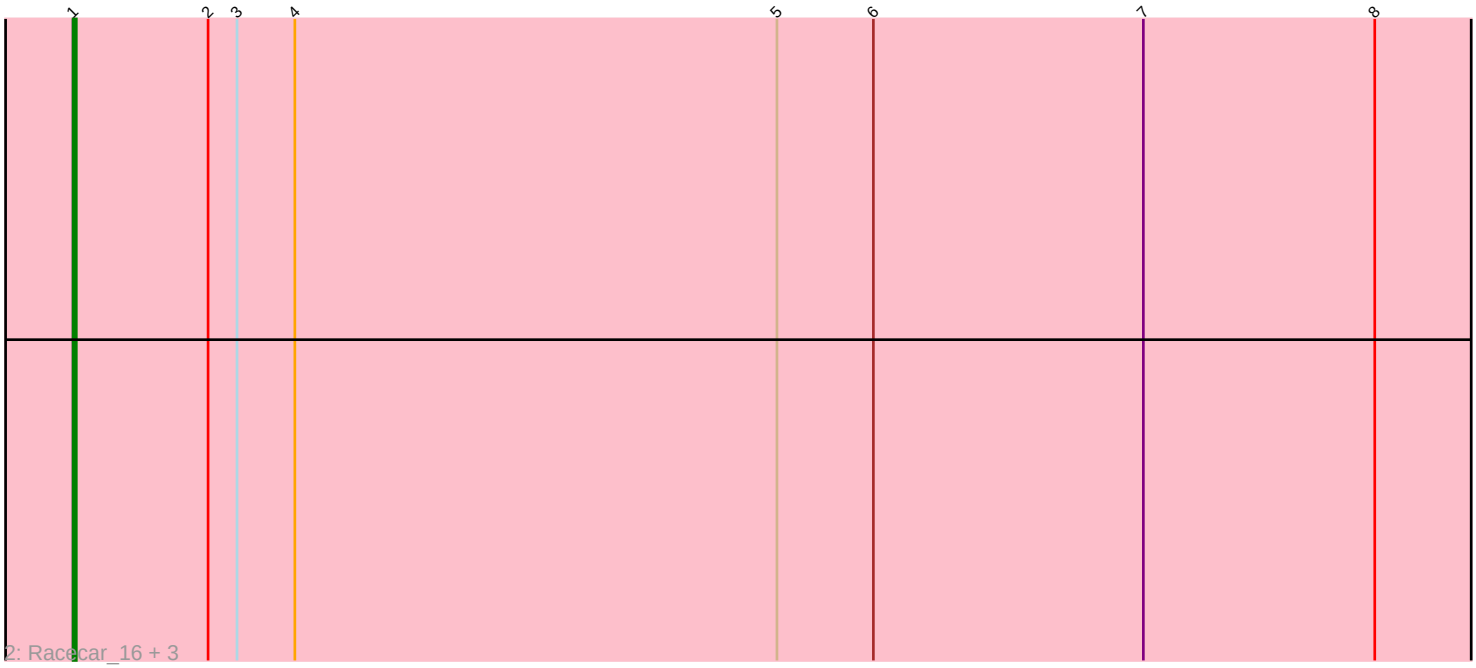
Pham 136079





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 136079 Report

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

Pham number 136079 has 10 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Mimi_18, Talia1610_303, Patbob_15, Mimi_308, Patbob_305, Talia1610_16
• Track 2 : Racecar_16, Bloom_17, Bloom_304, Racecar_305

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_17, Bloom_304, Racecar_16, Racecar_305,

Genes that have the "Most Annotated" start but do not call it:
• Mimi_18, Mimi_308, Patbob_15, Patbob_305, Talia1610_16, Talia1610_303,

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

Summary by start number:

Start 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Bloom_17 (FC), Bloom_304 (FC), Racecar_16 (FC), Racecar_305 (FC),

Start 2:
• Found in 10 of 10 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Mimi_18 (FC), Mimi_308 (FC), Patbob_15 (FC), Patbob_305 (FC), Talia1610_16 (FC), Talia1610_303 (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 2 times for cluster FC.

Gene Information:

Gene: Bloom_17 Start: 7817, Stop: 8323, Start Num: 1
Candidate Starts for Bloom_17:
(Start: 1 @7817 has 2 MA's), (2, 7859), (3, 7868), (4, 7886), (5, 8036), (6, 8066), (7, 8150), (8, 8222),

Gene: Bloom_304 Start: 181292, Stop: 181798, Start Num: 1
Candidate Starts for Bloom_304:
(Start: 1 @181292 has 2 MA's), (2, 181334), (3, 181343), (4, 181361), (5, 181511), (6, 181541), (7, 181625), (8, 181697),

Gene: Mimi_18 Start: 7777, Stop: 8241, Start Num: 2
Candidate Starts for Mimi_18:
(Start: 1 @7735 has 2 MA's), (2, 7777), (3, 7786), (4, 7804), (5, 7954), (6, 7984), (7, 8068), (8, 8140),

Gene: Mimi_308 Start: 180437, Stop: 180901, Start Num: 2
Candidate Starts for Mimi_308:
(Start: 1 @180395 has 2 MA's), (2, 180437), (3, 180446), (4, 180464), (5, 180614), (6, 180644), (7, 180728), (8, 180800),

Gene: Patbob_15 Start: 7774, Stop: 8238, Start Num: 2
Candidate Starts for Patbob_15:
(Start: 1 @7732 has 2 MA's), (2, 7774), (3, 7783), (4, 7801), (5, 7951), (6, 7981), (7, 8065), (8, 8137),

Gene: Patbob_305 Start: 183233, Stop: 183697, Start Num: 2
Candidate Starts for Patbob_305:
(Start: 1 @183191 has 2 MA's), (2, 183233), (3, 183242), (4, 183260), (5, 183410), (6, 183440), (7, 183524), (8, 183596),

Gene: Racecar_16 Start: 7817, Stop: 8323, Start Num: 1
Candidate Starts for Racecar_16:
(Start: 1 @7817 has 2 MA's), (2, 7859), (3, 7868), (4, 7886), (5, 8036), (6, 8066), (7, 8150), (8, 8222),

Gene: Racecar_305 Start: 181526, Stop: 182032, Start Num: 1
Candidate Starts for Racecar_305:
(Start: 1 @181526 has 2 MA's), (2, 181568), (3, 181577), (4, 181595), (5, 181745), (6, 181775), (7, 181859), (8, 181931),

Gene: Talia1610_303 Start: 182251, Stop: 182715, Start Num: 2
Candidate Starts for Talia1610_303:
(Start: 1 @182209 has 2 MA's), (2, 182251), (3, 182260), (4, 182278), (5, 182428), (6, 182458), (7, 182542), (8, 182614),

Gene: Talia1610_16 Start: 7779, Stop: 8243, Start Num: 2

Candidate Starts for Talia1610_16:
(Start: 1 @7737 has 2 MA's), (2, 7779), (3, 7788), (4, 7806), (5, 7956), (6, 7986), (7, 8070), (8, 8142),