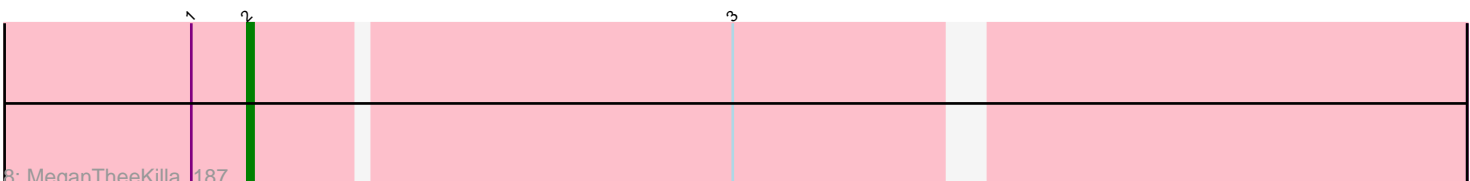
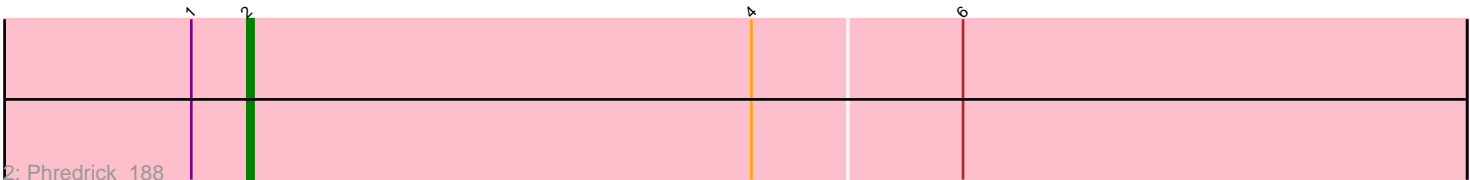
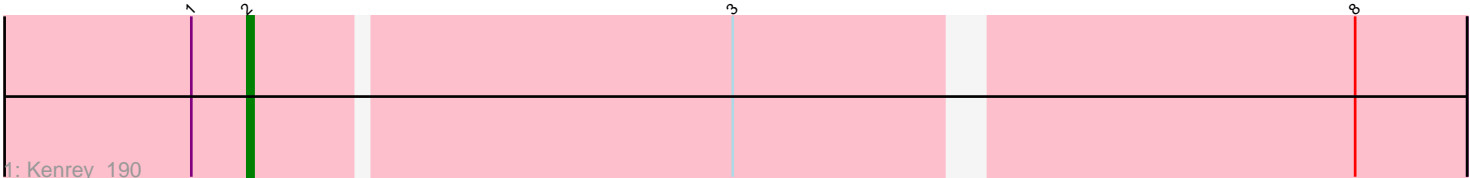


Pham 5168



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 5168 Report

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

Pham number 5168 has 15 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Kenrey\_190
- Track 2 : Phredrick\_188
- Track 3 : Forrest\_191, Francob\_184
- Track 4 : SparkleGoddess\_183, Belfort\_183, Karp\_177, Comrade\_180, Stigma\_181
- Track 5 : Jada\_188
- Track 6 : Emma1919\_188, Gilson\_187
- Track 7 : Patelgo\_186, Moab\_185
- Track 8 : MeganTheeKilla\_187

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

The start number called the most often in the published annotations is 2, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort\_183, Comrade\_180, Emma1919\_188, Forrest\_191, Francob\_184, Gilson\_187, Jada\_188, Karp\_177, Kenrey\_190, MeganTheeKilla\_187, Moab\_185, Patelgo\_186, Phredrick\_188, SparkleGoddess\_183, Stigma\_181,

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 2:

- Found in 15 of 15 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort\_183 (BK1), Comrade\_180 (BK1), Emma1919\_188 (BK1), Forrest\_191 (BK1), Francob\_184 (BK1), Gilson\_187 (BK1), Jada\_188 (BK1), Karp\_177 (BK1), Kenrey\_190 (BK1), MeganTheeKilla\_187 (BK1),

Moab\_185 (BK1), Patelgo\_186 (BK1), Phredrick\_188 (BK1), SparkleGoddess\_183 (BK1), Stigma\_181 (BK1),

### **Summary by clusters:**

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 2 was manually annotated 15 times for cluster BK1.

### ***Gene Information:***

Gene: Belfort\_183 Start: 96581, Stop: 96769, Start Num: 2

Candidate Starts for Belfort\_183:

(Start: 2 @96581 has 15 MA's),

Gene: Comrade\_180 Start: 96783, Stop: 96971, Start Num: 2

Candidate Starts for Comrade\_180:

(Start: 2 @96783 has 15 MA's),

Gene: Emma1919\_188 Start: 95783, Stop: 95968, Start Num: 2

Candidate Starts for Emma1919\_188:

(1, 95774), (Start: 2 @95783 has 15 MA's),

Gene: Forrest\_191 Start: 97680, Stop: 97865, Start Num: 2

Candidate Starts for Forrest\_191:

(Start: 2 @97680 has 15 MA's), (8, 97848),

Gene: Francob\_184 Start: 95693, Stop: 95872, Start Num: 2

Candidate Starts for Francob\_184:

(Start: 2 @95693 has 15 MA's), (8, 95855),

Gene: Gilson\_187 Start: 95745, Stop: 95930, Start Num: 2

Candidate Starts for Gilson\_187:

(1, 95736), (Start: 2 @95745 has 15 MA's),

Gene: Jada\_188 Start: 96373, Stop: 96558, Start Num: 2

Candidate Starts for Jada\_188:

(1, 96364), (Start: 2 @96373 has 15 MA's), (7, 96526),

Gene: Karp\_177 Start: 96007, Stop: 96195, Start Num: 2

Candidate Starts for Karp\_177:

(Start: 2 @96007 has 15 MA's),

Gene: Kenrey\_190 Start: 96792, Stop: 96977, Start Num: 2

Candidate Starts for Kenrey\_190:

(1, 96783), (Start: 2 @96792 has 15 MA's), (3, 96867), (8, 96960),

Gene: MeganTheeKilla\_187 Start: 95817, Stop: 96002, Start Num: 2

Candidate Starts for MeganTheeKilla\_187:

(1, 95808), (Start: 2 @95817 has 15 MA's), (3, 95892),

Gene: Moab\_185 Start: 98208, Stop: 98402, Start Num: 2  
Candidate Starts for Moab\_185:  
(Start: 2 @98208 has 15 MA's), (5, 98316), (6, 98322),

Gene: Patelgo\_186 Start: 98666, Stop: 98860, Start Num: 2  
Candidate Starts for Patelgo\_186:  
(Start: 2 @98666 has 15 MA's), (5, 98774), (6, 98780),

Gene: Phredrick\_188 Start: 95415, Stop: 95609, Start Num: 2  
Candidate Starts for Phredrick\_188:  
(1, 95406), (Start: 2 @95415 has 15 MA's), (4, 95496), (6, 95529),

Gene: SparkleGoddess\_183 Start: 96991, Stop: 97179, Start Num: 2  
Candidate Starts for SparkleGoddess\_183:  
(Start: 2 @96991 has 15 MA's),

Gene: Stigma\_181 Start: 97228, Stop: 97416, Start Num: 2  
Candidate Starts for Stigma\_181:  
(Start: 2 @97228 has 15 MA's),