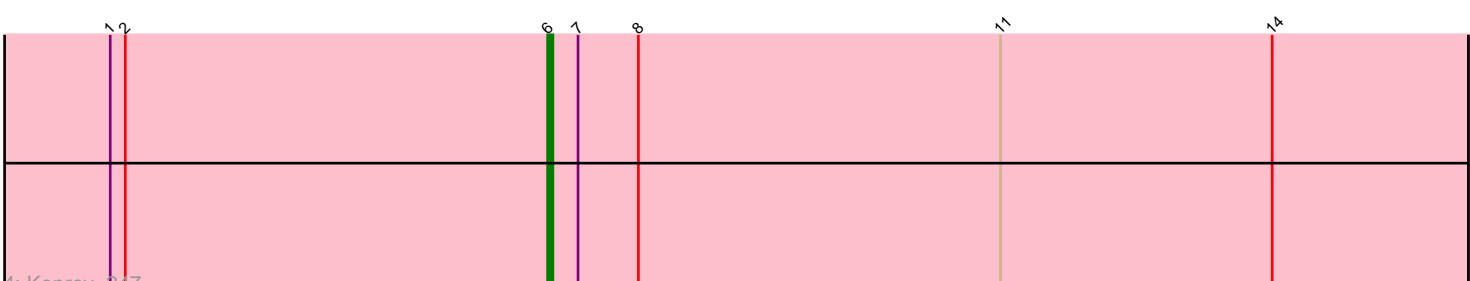
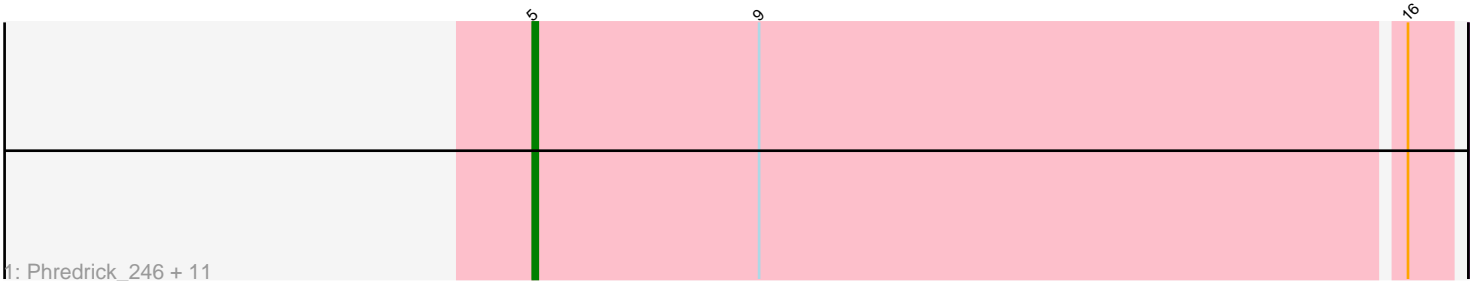


Pham 150786



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 150786 Report

This analysis was run 04/05/24 on database version 557.

Pham number 150786 has 16 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Phredrick\_246, Francob\_245, Karp\_237, Emma1919\_242, Belfort\_238, Gilson\_241, Comrade\_234, Forrest\_240, MeganTheeKilla\_244, SparkleGoddess\_239, Jada\_239, Stigma\_237
- Track 2 : Moab\_244
- Track 3 : Blueeyedbeauty\_236
- Track 4 : Kenrey\_247
- Track 5 : Patelgo\_243

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

The start number called the most often in the published annotations is 5, it was called in 13 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort\_238, Blueeyedbeauty\_236, Comrade\_234, Emma1919\_242, Forrest\_240, Francob\_245, Gilson\_241, Jada\_239, Karp\_237, MeganTheeKilla\_244, Phredrick\_246, SparkleGoddess\_239, Stigma\_237,

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

- 

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

- Kenrey\_247, Moab\_244, Patelgo\_243,

### **Summary by start number:**

Start 4:

- Found in 2 of 16 ( 12.5% ) of genes in pham
- Manual Annotations of this start: 2 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Moab\_244 (BK1), Patelgo\_243 (BK1),

Start 5:

- Found in 13 of 16 ( 81.2% ) of genes in pham

- Manual Annotations of this start: 13 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort\_238 (BK1), Blueeyedbeauty\_236 (BK1), Comrade\_234 (BK1), Emma1919\_242 (BK1), Forrest\_240 (BK1), Francob\_245 (BK1), Gilson\_241 (BK1), Jada\_239 (BK1), Karp\_237 (BK1), MeganTheeKilla\_244 (BK1), Phredrick\_246 (BK1), SparkleGoddess\_239 (BK1), Stigma\_237 (BK1),

Start 6:

- Found in 1 of 16 ( 6.2% ) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kenrey\_247 (BK1),

### **Summary by clusters:**

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 4 was manually annotated 2 times for cluster BK1.
- Start number 5 was manually annotated 13 times for cluster BK1.
- Start number 6 was manually annotated 1 time for cluster BK1.

### **Gene Information:**

Gene: Belfort\_238 Start: 115670, Stop: 115849, Start Num: 5

Candidate Starts for Belfort\_238:

(Start: 5 @115670 has 13 MA's), (9, 115715), (16, 115841),

Gene: Blueeyedbeauty\_236 Start: 114733, Stop: 114912, Start Num: 5

Candidate Starts for Blueeyedbeauty\_236:

(Start: 5 @114733 has 13 MA's), (12, 114847), (15, 114895), (16, 114904),

Gene: Comrade\_234 Start: 115866, Stop: 116045, Start Num: 5

Candidate Starts for Comrade\_234:

(Start: 5 @115866 has 13 MA's), (9, 115911), (16, 116037),

Gene: Emma1919\_242 Start: 114897, Stop: 115076, Start Num: 5

Candidate Starts for Emma1919\_242:

(Start: 5 @114897 has 13 MA's), (9, 114942), (16, 115068),

Gene: Forrest\_240 Start: 115655, Stop: 115834, Start Num: 5

Candidate Starts for Forrest\_240:

(Start: 5 @115655 has 13 MA's), (9, 115700), (16, 115826),

Gene: Francob\_245 Start: 116272, Stop: 116451, Start Num: 5

Candidate Starts for Francob\_245:

(Start: 5 @116272 has 13 MA's), (9, 116317), (16, 116443),

Gene: Gilson\_241 Start: 115537, Stop: 115716, Start Num: 5

Candidate Starts for Gilson\_241:

(Start: 5 @115537 has 13 MA's), (9, 115582), (16, 115708),

Gene: Jada\_239 Start: 114895, Stop: 115074, Start Num: 5

Candidate Starts for Jada\_239:

(Start: 5 @114895 has 13 MA's), (9, 114940), (16, 115066),

Gene: Karp\_237 Start: 117178, Stop: 117357, Start Num: 5

Candidate Starts for Karp\_237:

(Start: 5 @117178 has 13 MA's), (9, 117223), (16, 117349),

Gene: Kenrey\_247 Start: 116564, Stop: 116746, Start Num: 6

Candidate Starts for Kenrey\_247:

(1, 116477), (2, 116480), (Start: 6 @116564 has 1 MA's), (7, 116570), (8, 116582), (11, 116654), (14, 116708),

Gene: MeganTheeKilla\_244 Start: 115437, Stop: 115616, Start Num: 5

Candidate Starts for MeganTheeKilla\_244:

(Start: 5 @115437 has 13 MA's), (9, 115482), (16, 115608),

Gene: Moab\_244 Start: 117732, Stop: 117911, Start Num: 4

Candidate Starts for Moab\_244:

(Start: 4 @117732 has 2 MA's), (10, 117813), (13, 117873), (15, 117897),

Gene: Patelgo\_243 Start: 117979, Stop: 118158, Start Num: 4

Candidate Starts for Patelgo\_243:

(3, 117952), (Start: 4 @117979 has 2 MA's), (10, 118060), (13, 118120), (15, 118144),

Gene: Phredrick\_246 Start: 115313, Stop: 115492, Start Num: 5

Candidate Starts for Phredrick\_246:

(Start: 5 @115313 has 13 MA's), (9, 115358), (16, 115484),

Gene: SparkleGoddess\_239 Start: 116452, Stop: 116631, Start Num: 5

Candidate Starts for SparkleGoddess\_239:

(Start: 5 @116452 has 13 MA's), (9, 116497), (16, 116623),

Gene: Stigma\_237 Start: 116417, Stop: 116596, Start Num: 5

Candidate Starts for Stigma\_237:

(Start: 5 @116417 has 13 MA's), (9, 116462), (16, 116588),