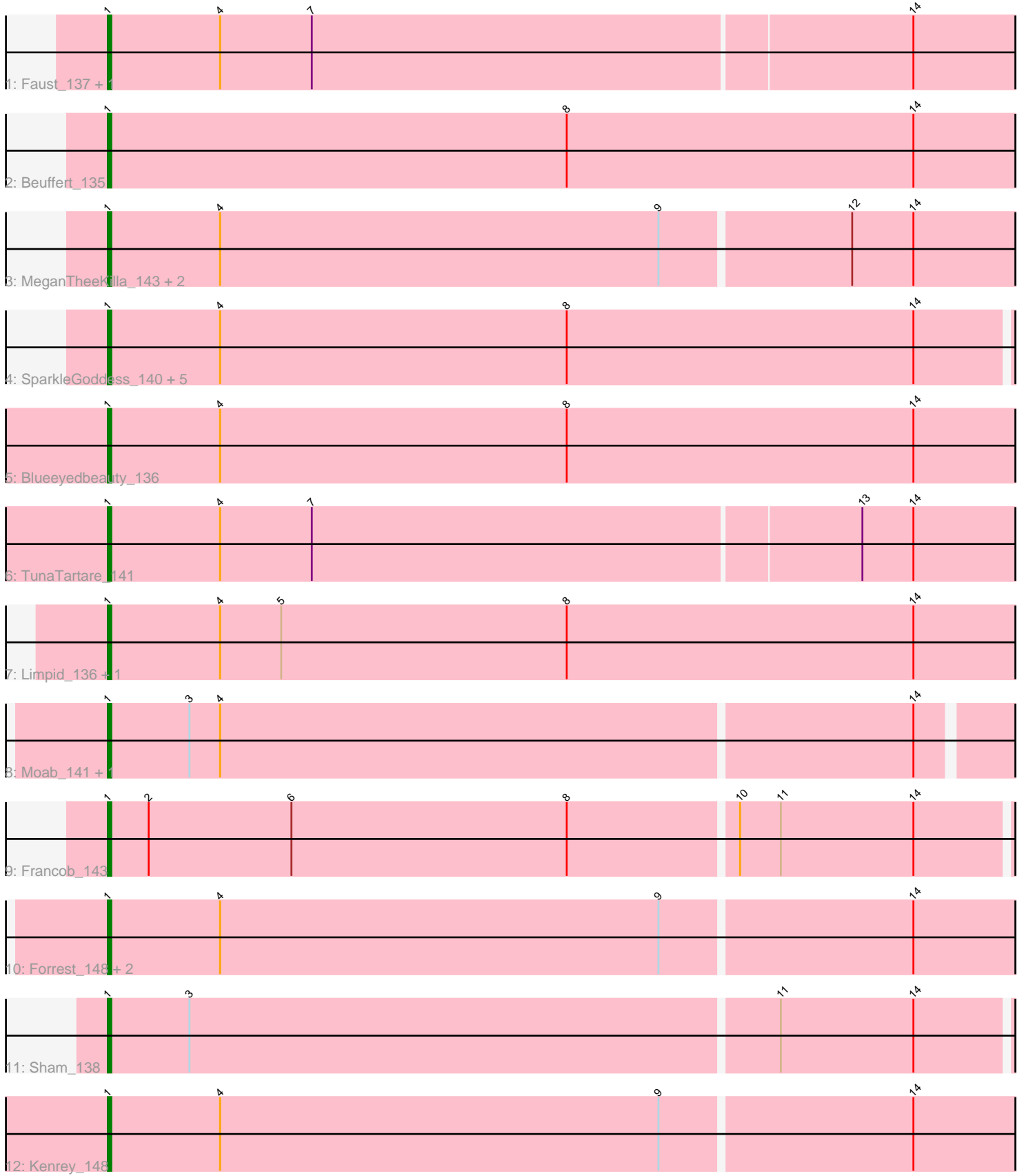


Pham 200530



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 200530 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200530 has 24 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Faust\_137, SeresaTree\_138
- Track 2 : Beuffert\_135
- Track 3 : MeganTheeKilla\_143, Gilson\_146, Emma1919\_146
- Track 4 : SparkleGoddess\_140, Karp\_137, Belfort\_141, Stigma\_138, Westy\_142, Comrade\_137
- Track 5 : Blueeyedbeauty\_136
- Track 6 : TunaTartare\_141
- Track 7 : Limpid\_136, Annadreamy\_129
- Track 8 : Moab\_141, Patelgo\_144
- Track 9 : Francob\_143
- Track 10 : Forrest\_148, Jada\_144, Phredrick\_145
- Track 11 : Sham\_138
- Track 12 : Kenrey\_148

### ***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 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy\_129, Belfort\_141, Beuffert\_135, Blueeyedbeauty\_136, Comrade\_137, Emma1919\_146, Faust\_137, Forrest\_148, Francob\_143, Gilson\_146, Jada\_144, Karp\_137, Kenrey\_148, Limpid\_136, MeganTheeKilla\_143, Moab\_141, Patelgo\_144, Phredrick\_145, SeresaTree\_138, Sham\_138, SparkleGoddess\_140, Stigma\_138, TunaTartare\_141, Westy\_142,

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 1:

- Found in 24 of 24 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 22 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy\_129 (BK1), Belfort\_141 (BK1), Beuffert\_135 (BK1), Blueeyedbeauty\_136 (BK1), Comrade\_137 (BK1), Emma1919\_146 (BK1), Faust\_137 (BK1), Forrest\_148 (BK1), Francob\_143 (BK1), Gilson\_146 (BK1), Jada\_144 (BK1), Karp\_137 (BK1), Kenrey\_148 (BK1), Limpid\_136 (BK1), MeganTheeKilla\_143 (BK1), Moab\_141 (BK1), Patelgo\_144 (BK1), Phredrick\_145 (BK1), SeresaTree\_138 (BK1), Sham\_138 (BK1), SparkleGoddess\_140 (BK1), Stigma\_138 (BK1), TunaTartare\_141 (BK1), Westy\_142 (BK1),

#### Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 1 was manually annotated 22 times for cluster BK1.

#### **Gene Information:**

Gene: Annadreamy\_129 Start: 75071, Stop: 75349, Start Num: 1

Candidate Starts for Annadreamy\_129:

(Start: 1 @75071 has 22 MA's), (4, 75104), (5, 75122), (8, 75206), (14, 75308),

Gene: Belfort\_141 Start: 81580, Stop: 81858, Start Num: 1

Candidate Starts for Belfort\_141:

(Start: 1 @81580 has 22 MA's), (4, 81613), (8, 81715), (14, 81817),

Gene: Beuffert\_135 Start: 79569, Stop: 79847, Start Num: 1

Candidate Starts for Beuffert\_135:

(Start: 1 @79569 has 22 MA's), (8, 79704), (14, 79806),

Gene: Blueeyedbeauty\_136 Start: 78825, Stop: 79103, Start Num: 1

Candidate Starts for Blueeyedbeauty\_136:

(Start: 1 @78825 has 22 MA's), (4, 78858), (8, 78960), (14, 79062),

Gene: Comrade\_137 Start: 80899, Stop: 81177, Start Num: 1

Candidate Starts for Comrade\_137:

(Start: 1 @80899 has 22 MA's), (4, 80932), (8, 81034), (14, 81136),

Gene: Emma1919\_146 Start: 81439, Stop: 81714, Start Num: 1

Candidate Starts for Emma1919\_146:

(Start: 1 @81439 has 22 MA's), (4, 81472), (9, 81601), (12, 81655), (14, 81673),

Gene: Faust\_137 Start: 81649, Stop: 81951, Start Num: 1

Candidate Starts for Faust\_137:

(Start: 1 @81649 has 22 MA's), (4, 81682), (7, 81709), (14, 81883),

Gene: Forrest\_148 Start: 82311, Stop: 82586, Start Num: 1

Candidate Starts for Forrest\_148:

(Start: 1 @82311 has 22 MA's), (4, 82344), (9, 82473), (14, 82545),

Gene: Francob\_143 Start: 81359, Stop: 81634, Start Num: 1

Candidate Starts for Francob\_143:

(Start: 1 @81359 has 22 MA's), (2, 81371), (6, 81413), (8, 81494), (10, 81542), (11, 81554), (14, 81593),

Gene: Gilson\_146 Start: 81401, Stop: 81676, Start Num: 1

Candidate Starts for Gilson\_146:

(Start: 1 @81401 has 22 MA's), (4, 81434), (9, 81563), (12, 81617), (14, 81635),

Gene: Jada\_144 Start: 81241, Stop: 81516, Start Num: 1

Candidate Starts for Jada\_144:

(Start: 1 @81241 has 22 MA's), (4, 81274), (9, 81403), (14, 81475),

Gene: Karp\_137 Start: 81007, Stop: 81285, Start Num: 1

Candidate Starts for Karp\_137:

(Start: 1 @81007 has 22 MA's), (4, 81040), (8, 81142), (14, 81244),

Gene: Kenrey\_148 Start: 82562, Stop: 82837, Start Num: 1

Candidate Starts for Kenrey\_148:

(Start: 1 @82562 has 22 MA's), (4, 82595), (9, 82724), (14, 82796),

Gene: Limpid\_136 Start: 80379, Stop: 80657, Start Num: 1

Candidate Starts for Limpid\_136:

(Start: 1 @80379 has 22 MA's), (4, 80412), (5, 80430), (8, 80514), (14, 80616),

Gene: MeganTheeKilla\_143 Start: 81117, Stop: 81392, Start Num: 1

Candidate Starts for MeganTheeKilla\_143:

(Start: 1 @81117 has 22 MA's), (4, 81150), (9, 81279), (12, 81333), (14, 81351),

Gene: Moab\_141 Start: 83173, Stop: 83454, Start Num: 1

Candidate Starts for Moab\_141:

(Start: 1 @83173 has 22 MA's), (3, 83197), (4, 83206), (14, 83407),

Gene: Patelgo\_144 Start: 83865, Stop: 84146, Start Num: 1

Candidate Starts for Patelgo\_144:

(Start: 1 @83865 has 22 MA's), (3, 83889), (4, 83898), (14, 84099),

Gene: Phredrick\_145 Start: 80897, Stop: 81172, Start Num: 1

Candidate Starts for Phredrick\_145:

(Start: 1 @80897 has 22 MA's), (4, 80930), (9, 81059), (14, 81131),

Gene: SeresaTree\_138 Start: 81031, Stop: 81333, Start Num: 1

Candidate Starts for SeresaTree\_138:

(Start: 1 @81031 has 22 MA's), (4, 81064), (7, 81091), (14, 81265),

Gene: Sham\_138 Start: 81938, Stop: 82213, Start Num: 1

Candidate Starts for Sham\_138:

(Start: 1 @81938 has 22 MA's), (3, 81962), (11, 82133), (14, 82172),

Gene: SparkleGoddess\_140 Start: 81199, Stop: 81477, Start Num: 1

Candidate Starts for SparkleGoddess\_140:

(Start: 1 @81199 has 22 MA's), (4, 81232), (8, 81334), (14, 81436),

Gene: Stigma\_138 Start: 81344, Stop: 81622, Start Num: 1

Candidate Starts for Stigma\_138:

(Start: 1 @81344 has 22 MA's), (4, 81377), (8, 81479), (14, 81581),

Gene: TunaTartare\_141 Start: 83662, Stop: 83970, Start Num: 1

Candidate Starts for TunaTartare\_141:

(Start: 1 @83662 has 22 MA's), (4, 83695), (7, 83722), (13, 83881), (14, 83896),

Gene: Westy\_142 Start: 82233, Stop: 82511, Start Num: 1

Candidate Starts for Westy\_142:

(Start: 1 @82233 has 22 MA's), (4, 82266), (8, 82368), (14, 82470),