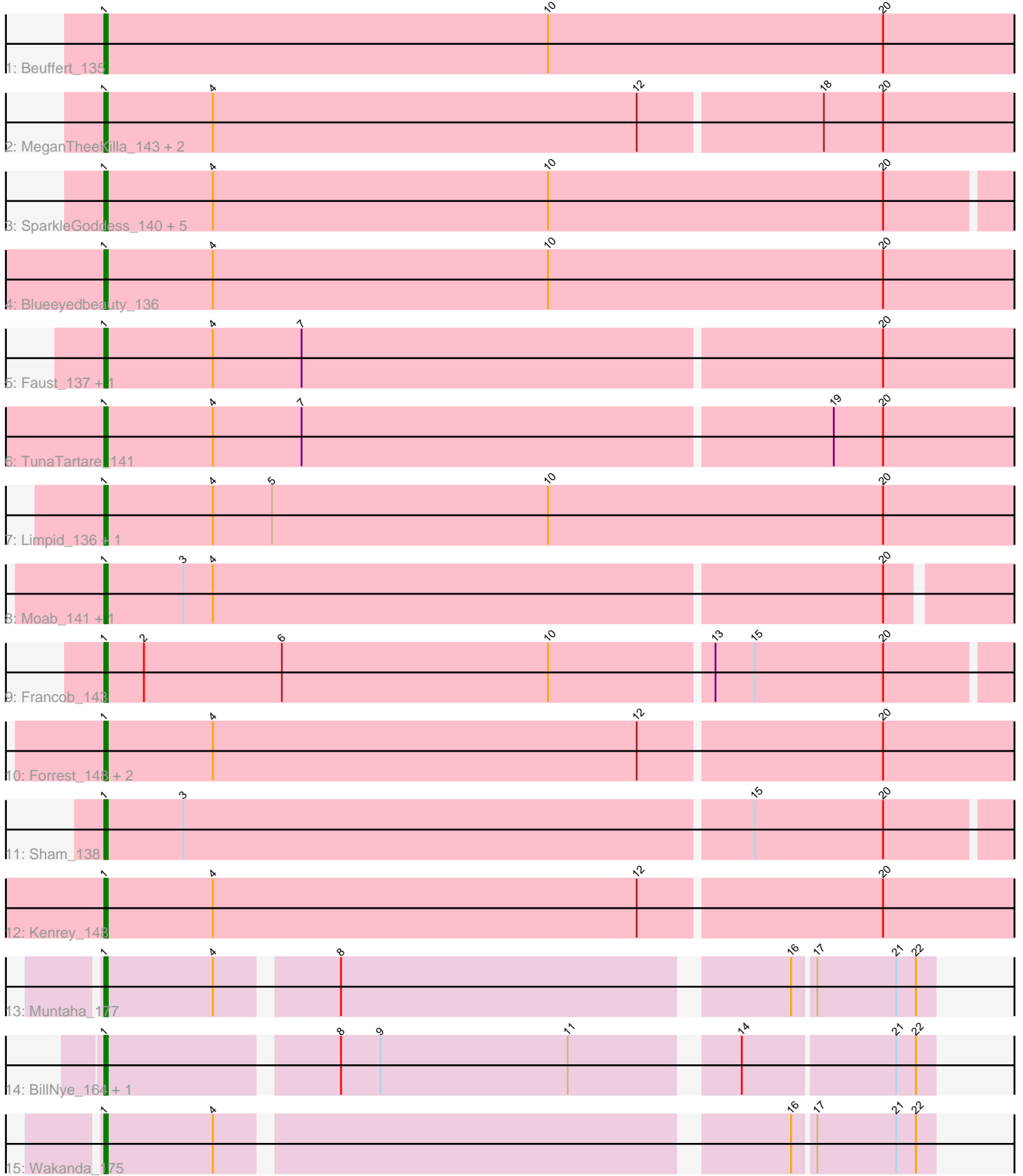


Pham 216450



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 216450 Report

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

Pham number 216450 has 28 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Beuffert_135
- Track 2 : MeganTheeKilla_143, Emma1919_146, Gilson_146
- Track 3 : SparkleGoddess_140, Karp_137, Belfort_141, Stigma_138, Westy_142, Comrade_137
- Track 4 : Blueeyedbeauty_136
- Track 5 : Faust_137, SeresaTree_138
- 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
- Track 13 : Muntaha_177
- Track 14 : BillNye_164, Circinus_165
- Track 15 : Wakanda_175

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 26 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_129, Belfort_141, Beuffert_135, BillNye_164, Blueeyedbeauty_136, Circinus_165, Comrade_137, Emma1919_146, Faust_137, Forrest_148, Francob_143, Gilson_146, Jada_144, Karp_137, Kenrey_148, Limpid_136, MeganTheeKilla_143, Moab_141, Muntaha_177, Patelgo_144, Phredrick_145, SeresaTree_138, Sham_138, SparkleGoddess_140, Stigma_138, TunaTartare_141, Wakanda_175, Westy_142,

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

-

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

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Summary by start number:

Start 1:

- Found in 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 26 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_129 (BK1), Belfort_141 (BK1), Beuffert_135 (BK1), BillNye_164 (BK2), Blueeyedbeauty_136 (BK1), Circinus_165 (BK2), 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), Muntaha_177 (BK2), Patelgo_144 (BK1), Phredrick_145 (BK1), SeresaTree_138 (BK1), Sham_138 (BK1), SparkleGoddess_140 (BK1), Stigma_138 (BK1), TunaTartare_141 (BK1), Wakanda_175 (BK2), Westy_142 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:

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

Info for manual annotations of cluster BK2:

- Start number 1 was manually annotated 4 times for cluster BK2.

Gene Information:

Gene: Annadreamy_129 Start: 75071, Stop: 75349, Start Num: 1

Candidate Starts for Annadreamy_129:

(Start: 1 @75071 has 26 MA's), (4, 75104), (5, 75122), (10, 75206), (20, 75308),

Gene: Belfort_141 Start: 81580, Stop: 81858, Start Num: 1

Candidate Starts for Belfort_141:

(Start: 1 @81580 has 26 MA's), (4, 81613), (10, 81715), (20, 81817),

Gene: Beuffert_135 Start: 79569, Stop: 79847, Start Num: 1

Candidate Starts for Beuffert_135:

(Start: 1 @79569 has 26 MA's), (10, 79704), (20, 79806),

Gene: BillNye_164 Start: 92953, Stop: 93189, Start Num: 1

Candidate Starts for BillNye_164:

(Start: 1 @92953 has 26 MA's), (8, 93019), (9, 93031), (11, 93088), (14, 93133), (21, 93178), (22, 93184),

Gene: Blueeyedbeauty_136 Start: 78825, Stop: 79103, Start Num: 1

Candidate Starts for Blueeyedbeauty_136:

(Start: 1 @78825 has 26 MA's), (4, 78858), (10, 78960), (20, 79062),

Gene: Circinus_165 Start: 92919, Stop: 93155, Start Num: 1

Candidate Starts for Circinus_165:

(Start: 1 @92919 has 26 MA's), (8, 92985), (9, 92997), (11, 93054), (14, 93099), (21, 93144), (22, 93150),

Gene: Comrade_137 Start: 80899, Stop: 81177, Start Num: 1

Candidate Starts for Comrade_137:

(Start: 1 @80899 has 26 MA's), (4, 80932), (10, 81034), (20, 81136),

Gene: Emma1919_146 Start: 81439, Stop: 81714, Start Num: 1

Candidate Starts for Emma1919_146:

(Start: 1 @81439 has 26 MA's), (4, 81472), (12, 81601), (18, 81655), (20, 81673),

Gene: Faust_137 Start: 81649, Stop: 81951, Start Num: 1

Candidate Starts for Faust_137:

(Start: 1 @81649 has 26 MA's), (4, 81682), (7, 81709), (20, 81883),

Gene: Forrest_148 Start: 82311, Stop: 82586, Start Num: 1

Candidate Starts for Forrest_148:

(Start: 1 @82311 has 26 MA's), (4, 82344), (12, 82473), (20, 82545),

Gene: Francob_143 Start: 81359, Stop: 81634, Start Num: 1

Candidate Starts for Francob_143:

(Start: 1 @81359 has 26 MA's), (2, 81371), (6, 81413), (10, 81494), (13, 81542), (15, 81554), (20, 81593),

Gene: Gilson_146 Start: 81401, Stop: 81676, Start Num: 1

Candidate Starts for Gilson_146:

(Start: 1 @81401 has 26 MA's), (4, 81434), (12, 81563), (18, 81617), (20, 81635),

Gene: Jada_144 Start: 81241, Stop: 81516, Start Num: 1

Candidate Starts for Jada_144:

(Start: 1 @81241 has 26 MA's), (4, 81274), (12, 81403), (20, 81475),

Gene: Karp_137 Start: 81007, Stop: 81285, Start Num: 1

Candidate Starts for Karp_137:

(Start: 1 @81007 has 26 MA's), (4, 81040), (10, 81142), (20, 81244),

Gene: Kenrey_148 Start: 82562, Stop: 82837, Start Num: 1

Candidate Starts for Kenrey_148:

(Start: 1 @82562 has 26 MA's), (4, 82595), (12, 82724), (20, 82796),

Gene: Limpid_136 Start: 80379, Stop: 80657, Start Num: 1

Candidate Starts for Limpid_136:

(Start: 1 @80379 has 26 MA's), (4, 80412), (5, 80430), (10, 80514), (20, 80616),

Gene: MeganTheeKilla_143 Start: 81117, Stop: 81392, Start Num: 1

Candidate Starts for MeganTheeKilla_143:

(Start: 1 @81117 has 26 MA's), (4, 81150), (12, 81279), (18, 81333), (20, 81351),

Gene: Moab_141 Start: 83173, Stop: 83454, Start Num: 1

Candidate Starts for Moab_141:

(Start: 1 @83173 has 26 MA's), (3, 83197), (4, 83206), (20, 83407),

Gene: Muntaha_177 Start: 92213, Stop: 92449, Start Num: 1
Candidate Starts for Muntaha_177:
(Start: 1 @92213 has 26 MA's), (4, 92246), (8, 92279), (16, 92408), (17, 92414), (21, 92438), (22, 92444),

Gene: Patelgo_144 Start: 83865, Stop: 84146, Start Num: 1
Candidate Starts for Patelgo_144:
(Start: 1 @83865 has 26 MA's), (3, 83889), (4, 83898), (20, 84099),

Gene: Phredrick_145 Start: 80897, Stop: 81172, Start Num: 1
Candidate Starts for Phredrick_145:
(Start: 1 @80897 has 26 MA's), (4, 80930), (12, 81059), (20, 81131),

Gene: SeresaTree_138 Start: 81031, Stop: 81333, Start Num: 1
Candidate Starts for SeresaTree_138:
(Start: 1 @81031 has 26 MA's), (4, 81064), (7, 81091), (20, 81265),

Gene: Sham_138 Start: 81938, Stop: 82213, Start Num: 1
Candidate Starts for Sham_138:
(Start: 1 @81938 has 26 MA's), (3, 81962), (15, 82133), (20, 82172),

Gene: SparkleGoddess_140 Start: 81199, Stop: 81477, Start Num: 1
Candidate Starts for SparkleGoddess_140:
(Start: 1 @81199 has 26 MA's), (4, 81232), (10, 81334), (20, 81436),

Gene: Stigma_138 Start: 81344, Stop: 81622, Start Num: 1
Candidate Starts for Stigma_138:
(Start: 1 @81344 has 26 MA's), (4, 81377), (10, 81479), (20, 81581),

Gene: TunaTartare_141 Start: 83662, Stop: 83970, Start Num: 1
Candidate Starts for TunaTartare_141:
(Start: 1 @83662 has 26 MA's), (4, 83695), (7, 83722), (19, 83881), (20, 83896),

Gene: Wakanda_175 Start: 91893, Stop: 92129, Start Num: 1
Candidate Starts for Wakanda_175:
(Start: 1 @91893 has 26 MA's), (4, 91926), (16, 92088), (17, 92094), (21, 92118), (22, 92124),

Gene: Westy_142 Start: 82233, Stop: 82511, Start Num: 1
Candidate Starts for Westy_142:
(Start: 1 @82233 has 26 MA's), (4, 82266), (10, 82368), (20, 82470),