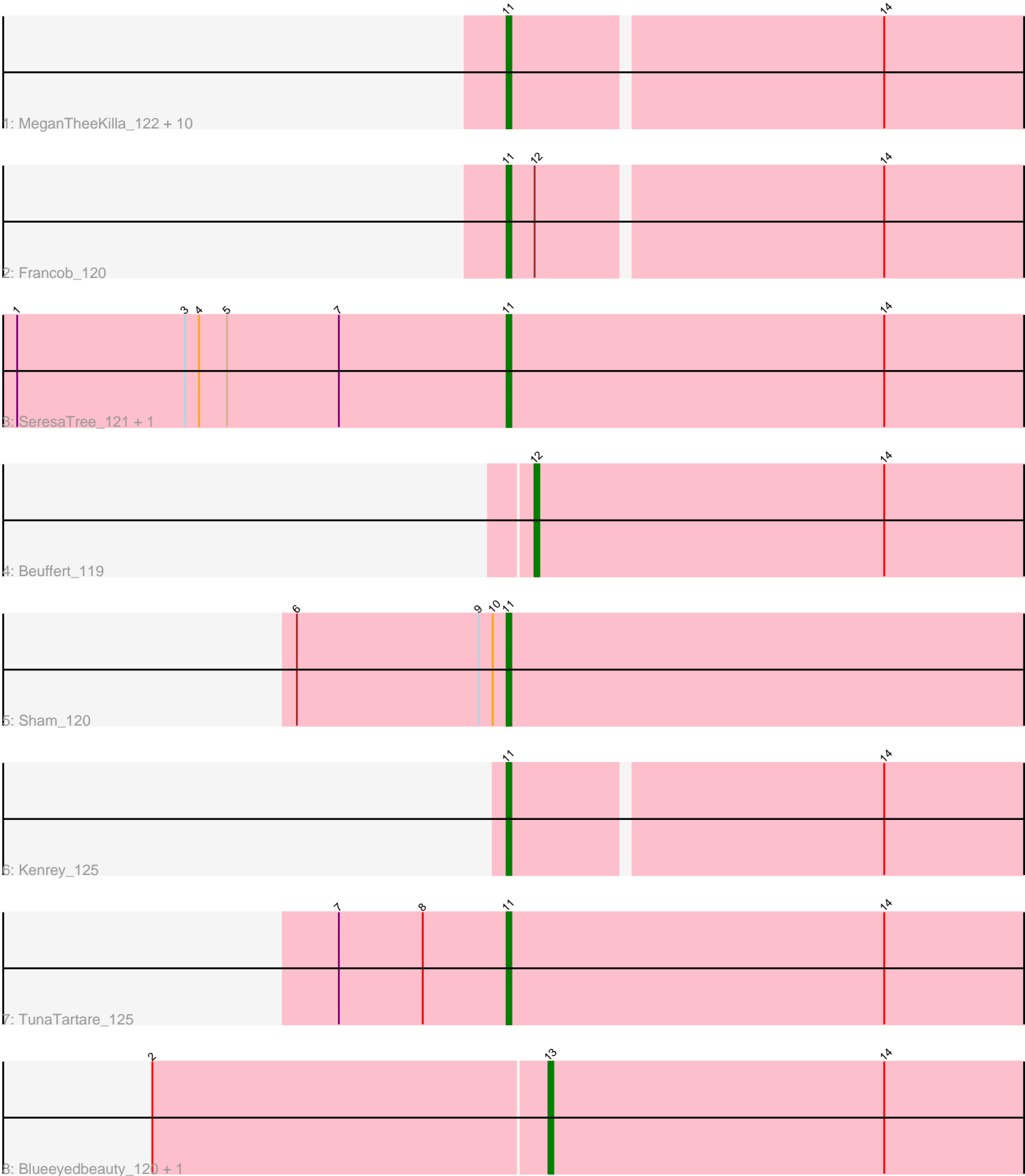


Pham 4389



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 4389 Report

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

Pham number 4389 has 20 members, 1 are drafts.

Phages represented in each track:

- Track 1 : MeganTheeKilla_122, SparkleGoddess_121, Emma1919_123, Karp_119, Phredrick_123, Forrest_128, Belfort_123, Comrade_119, Jada_124, Gilson_123, Stigma_121
- Track 2 : Francob_120
- Track 3 : SeresaTree_121, Faust_121
- Track 4 : Beuffert_119
- Track 5 : Sham_120
- Track 6 : Kenrey_125
- Track 7 : TunaTartare_125
- Track 8 : Blueeyedbeauty_120, Limpid_121

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

The start number called the most often in the published annotations is 11, it was called in 16 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_123, Comrade_119, Emma1919_123, Faust_121, Forrest_128, Francob_120, Gilson_123, Jada_124, Karp_119, Kenrey_125, MeganTheeKilla_122, Phredrick_123, SeresaTree_121, Sham_120, SparkleGoddess_121, Stigma_121, TunaTartare_125,

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

-

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

- Beuffert_119, Blueeyedbeauty_120, Limpid_121,

Summary by start number:

Start 11:

- Found in 17 of 20 (85.0%) of genes in pham
- Manual Annotations of this start: 16 of 19
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Belfort_123 (BK1), Comrade_119 (BK1), Emma1919_123 (BK1), Faust_121 (BK1), Forrest_128 (BK1), Francob_120 (BK1), Gilson_123 (BK1), Jada_124 (BK1), Karp_119 (BK1), Kenrey_125 (BK1), MeganTheeKilla_122 (BK1), Phredrick_123 (BK1), SeresaTree_121 (BK1), Sham_120 (BK1), SparkleGoddess_121 (BK1), Stigma_121 (BK1), TunaTartare_125 (BK1),

Start 12:

- Found in 2 of 20 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 19
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Beuffert_119 (BK1),

Start 13:

- Found in 2 of 20 (10.0%) of genes in pham
- Manual Annotations of this start: 2 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Blueeyedbeauty_120 (BK1), Limpid_121 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 11 was manually annotated 16 times for cluster BK1.
- Start number 12 was manually annotated 1 time for cluster BK1.
- Start number 13 was manually annotated 2 times for cluster BK1.

Gene Information:

Gene: Belfort_123 Start: 76306, Stop: 76461, Start Num: 11

Candidate Starts for Belfort_123:

(Start: 11 @76306 has 16 MA's), (14, 76384),

Gene: Beuffert_119 Start: 75421, Stop: 75573, Start Num: 12

Candidate Starts for Beuffert_119:

(Start: 12 @75421 has 1 MA's), (14, 75496),

Gene: Blueeyedbeauty_120 Start: 73649, Stop: 73798, Start Num: 13

Candidate Starts for Blueeyedbeauty_120:

(2, 73565), (Start: 13 @73649 has 2 MA's), (14, 73721),

Gene: Comrade_119 Start: 75624, Stop: 75779, Start Num: 11

Candidate Starts for Comrade_119:

(Start: 11 @75624 has 16 MA's), (14, 75702),

Gene: Emma1919_123 Start: 74959, Stop: 75114, Start Num: 11

Candidate Starts for Emma1919_123:

(Start: 11 @74959 has 16 MA's), (14, 75037),

Gene: Faust_121 Start: 76243, Stop: 76398, Start Num: 11
Candidate Starts for Faust_121:
(1, 76138), (3, 76174), (4, 76177), (5, 76183), (7, 76207), (Start: 11 @76243 has 16 MA's), (14, 76324),

Gene: Forrest_128 Start: 77766, Stop: 77921, Start Num: 11
Candidate Starts for Forrest_128:
(Start: 11 @77766 has 16 MA's), (14, 77844),

Gene: Francob_120 Start: 75220, Stop: 75372, Start Num: 11
Candidate Starts for Francob_120:
(Start: 11 @75220 has 16 MA's), (Start: 12 @75226 has 1 MA's), (14, 75298),

Gene: Gilson_123 Start: 74921, Stop: 75076, Start Num: 11
Candidate Starts for Gilson_123:
(Start: 11 @74921 has 16 MA's), (14, 74999),

Gene: Jada_124 Start: 76696, Stop: 76851, Start Num: 11
Candidate Starts for Jada_124:
(Start: 11 @76696 has 16 MA's), (14, 76774),

Gene: Karp_119 Start: 75595, Stop: 75750, Start Num: 11
Candidate Starts for Karp_119:
(Start: 11 @75595 has 16 MA's), (14, 75673),

Gene: Kenrey_125 Start: 76089, Stop: 76244, Start Num: 11
Candidate Starts for Kenrey_125:
(Start: 11 @76089 has 16 MA's), (14, 76167),

Gene: Limpid_121 Start: 76169, Stop: 76318, Start Num: 13
Candidate Starts for Limpid_121:
(2, 76085), (Start: 13 @76169 has 2 MA's), (14, 76241),

Gene: MeganTheeKilla_122 Start: 75126, Stop: 75281, Start Num: 11
Candidate Starts for MeganTheeKilla_122:
(Start: 11 @75126 has 16 MA's), (14, 75204),

Gene: Phredrick_123 Start: 74722, Stop: 74877, Start Num: 11
Candidate Starts for Phredrick_123:
(Start: 11 @74722 has 16 MA's), (14, 74800),

Gene: SeresaTree_121 Start: 75625, Stop: 75780, Start Num: 11
Candidate Starts for SeresaTree_121:
(1, 75520), (3, 75556), (4, 75559), (5, 75565), (7, 75589), (Start: 11 @75625 has 16 MA's), (14, 75706),

Gene: Sham_120 Start: 75979, Stop: 76134, Start Num: 11
Candidate Starts for Sham_120:
(6, 75934), (9, 75973), (10, 75976), (Start: 11 @75979 has 16 MA's),

Gene: SparkleGoddess_121 Start: 75924, Stop: 76079, Start Num: 11
Candidate Starts for SparkleGoddess_121:
(Start: 11 @75924 has 16 MA's), (14, 76002),

Gene: Stigma_121 Start: 75932, Stop: 76087, Start Num: 11

Candidate Starts for Stigma_121:

(Start: 11 @75932 has 16 MA's), (14, 76010),

Gene: TunaTartare_125 Start: 77707, Stop: 77862, Start Num: 11

Candidate Starts for TunaTartare_125:

(7, 77671), (8, 77689), (Start: 11 @77707 has 16 MA's), (14, 77788),