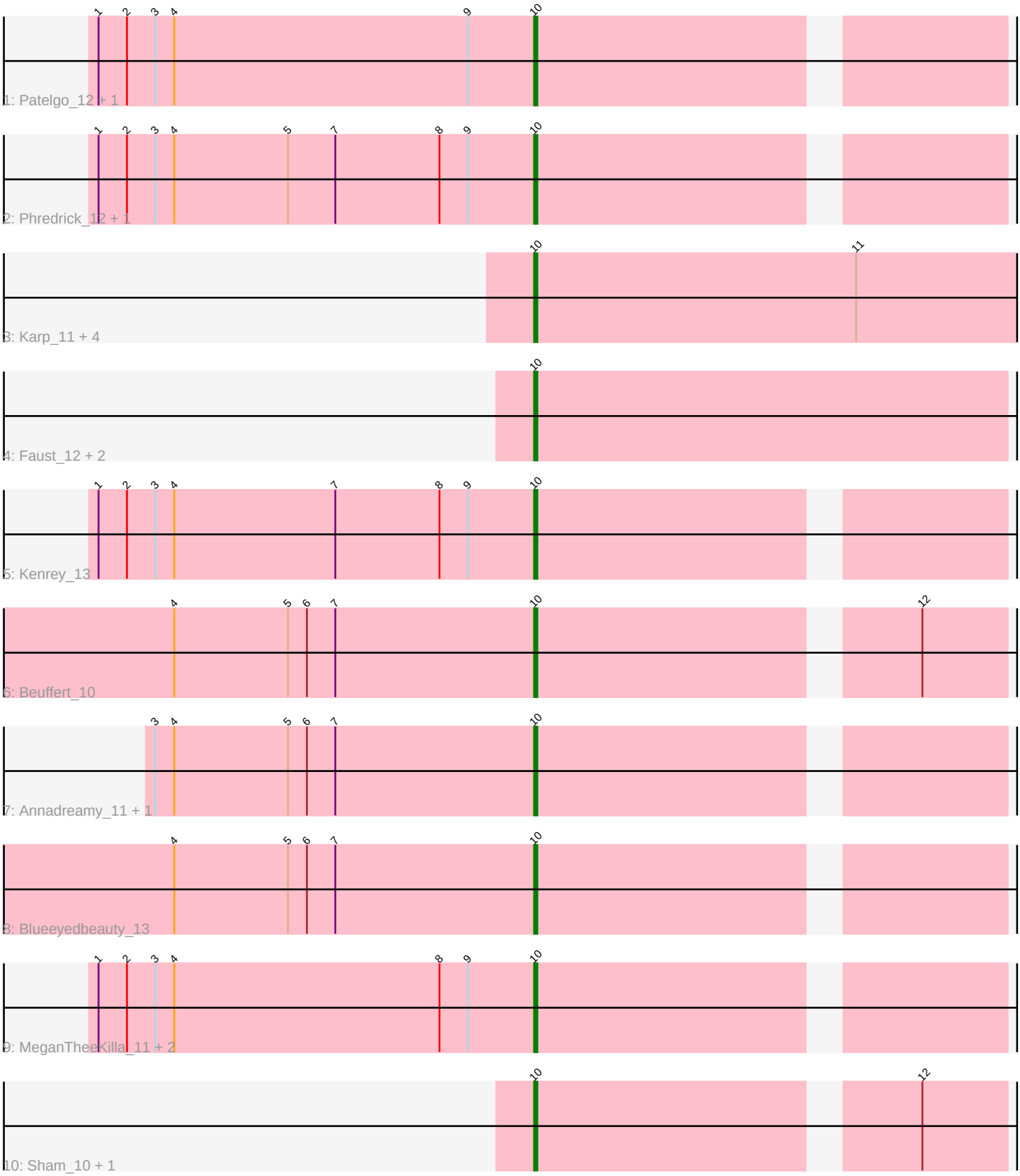
Pham 4120


1 2 3 4 9 10
1: Patelgo_12 + 1
1 2 3 4 5 7 8 9 10
2: Phredrick_12 + 1
10 11
3: Karp_11 + 4
10
4: Faust_12 + 2
1 2 3 4 7 8 9 10
5: Kenrey_13
4 5 6 7 10 12
6: Beuffert_10
3 4 5 6 7 10
7: Annadreamy_11 + 1
4 5 6 7 10
8: Blueeyedbeauty_13
1 2 3 4 8 9 10
9: MeganTheeKilla_11 + 2
10 12
10: Sham_10 + 1

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 4120 Report

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

Pham number 4120 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Patelgo_12, Moab_11
• Track 2 : Phredrick_12, Forrest_13
• Track 3 : Karp_11, Belfort_13, SparkleGoddess_11, Stigma_11, Comrade_11
• Track 4 : Faust_12, SeresaTree_11, Francob_10
• Track 5 : Kenrey_13
• Track 6 : Beuffert_10
• Track 7 : Annadreamy_11, Limpid_11
• Track 8 : Blueeyedbeauty_13
• Track 9 : MeganTheeKilla_11, Emma1919_13, Jada_11
• Track 10 : Sham_10, TunaTartare_12

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

The start number called the most often in the published annotations is 10, it was called in 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_11, Belfort_13, Beuffert_10, Blueeyedbeauty_13, Comrade_11, Emma1919_13, Faust_12, Forrest_13, Francob_10, Jada_11, Karp_11, Kenrey_13, Limpid_11, MeganTheeKilla_11, Moab_11, Patelgo_12, Phredrick_12, SeresaTree_11, Sham_10, SparkleGoddess_11, Stigma_11, TunaTartare_12,

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 10:
• Found in 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 21 of 21
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Annadreamy_11 (BK1), Belfort_13 (BK1), Beuffert_10 (BK1), Blueeyedbeauty_13 (BK1), Comrade_11 (BK1), Emma1919_13 (BK1), Faust_12 (BK1), Forrest_13 (BK1), Francob_10 (BK1), Jada_11 (BK1), Karp_11 (BK1), Kenrey_13 (BK1), Limpid_11 (BK1), MeganTheeKilla_11 (BK1), Moab_11 (BK1), Patelgo_12 (BK1), Phredrick_12 (BK1), SeresaTree_11 (BK1), Sham_10 (BK1), SparkleGoddess_11 (BK1), Stigma_11 (BK1), TunaTartare_12 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 10 was manually annotated 21 times for cluster BK1.

Gene Information:

Gene: Annadreamy_11 Start: 3546, Stop: 3409, Start Num: 10
Candidate Starts for Annadreamy_11:
(3, 3666), (4, 3660), (5, 3624), (6, 3618), (7, 3609), (Start: 10 @3546 has 21 MA's),

Gene: Belfort_13 Start: 4345, Stop: 4172, Start Num: 10
Candidate Starts for Belfort_13:
(Start: 10 @4345 has 21 MA's), (11, 4243),

Gene: Beuffert_10 Start: 3376, Stop: 3239, Start Num: 10
Candidate Starts for Beuffert_10:
(4, 3490), (5, 3454), (6, 3448), (7, 3439), (Start: 10 @3376 has 21 MA's), (12, 3265),

Gene: Blueeyedbeauty_13 Start: 4209, Stop: 4072, Start Num: 10
Candidate Starts for Blueeyedbeauty_13:
(4, 4323), (5, 4287), (6, 4281), (7, 4272), (Start: 10 @4209 has 21 MA's),

Gene: Comrade_11 Start: 3558, Stop: 3388, Start Num: 10
Candidate Starts for Comrade_11:
(Start: 10 @3558 has 21 MA's), (11, 3456),

Gene: Emma1919_13 Start: 4156, Stop: 4019, Start Num: 10
Candidate Starts for Emma1919_13:
(1, 4294), (2, 4285), (3, 4276), (4, 4270), (8, 4186), (9, 4177), (Start: 10 @4156 has 21 MA's),

Gene: Faust_12 Start: 4240, Stop: 4091, Start Num: 10
Candidate Starts for Faust_12:
(Start: 10 @4240 has 21 MA's),

Gene: Forrest_13 Start: 4290, Stop: 4153, Start Num: 10
Candidate Starts for Forrest_13:
(1, 4428), (2, 4419), (3, 4410), (4, 4404), (5, 4368), (7, 4353), (8, 4320), (9, 4311), (Start: 10 @4290 has 21 MA's),

Gene: Francob_10 Start: 3518, Stop: 3369, Start Num: 10

Candidate Starts for Francob_10:
(Start: 10 @3518 has 21 MA's),

Gene: Jada_11 Start: 3470, Stop: 3333, Start Num: 10
Candidate Starts for Jada_11:
(1, 3608), (2, 3599), (3, 3590), (4, 3584), (8, 3500), (9, 3491), (Start: 10 @3470 has 21 MA's),

Gene: Karp_11 Start: 3561, Stop: 3388, Start Num: 10
Candidate Starts for Karp_11:
(Start: 10 @3561 has 21 MA's), (11, 3459),

Gene: Kenrey_13 Start: 4161, Stop: 4024, Start Num: 10
Candidate Starts for Kenrey_13:
(1, 4299), (2, 4290), (3, 4281), (4, 4275), (7, 4224), (8, 4191), (9, 4182), (Start: 10 @4161 has 21 MA's),

Gene: Limpid_11 Start: 3545, Stop: 3408, Start Num: 10
Candidate Starts for Limpid_11:
(3, 3665), (4, 3659), (5, 3623), (6, 3617), (7, 3608), (Start: 10 @3545 has 21 MA's),

Gene: MeganTheeKilla_11 Start: 3470, Stop: 3333, Start Num: 10
Candidate Starts for MeganTheeKilla_11:
(1, 3608), (2, 3599), (3, 3590), (4, 3584), (8, 3500), (9, 3491), (Start: 10 @3470 has 21 MA's),

Gene: Moab_11 Start: 3667, Stop: 3530, Start Num: 10
Candidate Starts for Moab_11:
(1, 3805), (2, 3796), (3, 3787), (4, 3781), (9, 3688), (Start: 10 @3667 has 21 MA's),

Gene: Patelgo_12 Start: 3667, Stop: 3530, Start Num: 10
Candidate Starts for Patelgo_12:
(1, 3805), (2, 3796), (3, 3787), (4, 3781), (9, 3688), (Start: 10 @3667 has 21 MA's),

Gene: Phredrick_12 Start: 3769, Stop: 3632, Start Num: 10
Candidate Starts for Phredrick_12:
(1, 3907), (2, 3898), (3, 3889), (4, 3883), (5, 3847), (7, 3832), (8, 3799), (9, 3790), (Start: 10 @3769 has 21 MA's),

Gene: SeresaTree_11 Start: 3630, Stop: 3481, Start Num: 10
Candidate Starts for SeresaTree_11:
(Start: 10 @3630 has 21 MA's),

Gene: Sham_10 Start: 3433, Stop: 3296, Start Num: 10
Candidate Starts for Sham_10:
(Start: 10 @3433 has 21 MA's), (12, 3322),

Gene: SparkleGoddess_11 Start: 3557, Stop: 3384, Start Num: 10
Candidate Starts for SparkleGoddess_11:
(Start: 10 @3557 has 21 MA's), (11, 3455),

Gene: Stigma_11 Start: 3561, Stop: 3388, Start Num: 10
Candidate Starts for Stigma_11:
(Start: 10 @3561 has 21 MA's), (11, 3459),

Gene: TunaTartare_12 Start: 3808, Stop: 3671, Start Num: 10
Candidate Starts for TunaTartare_12:
(Start: 10 @3808 has 21 MA's), (12, 3697),