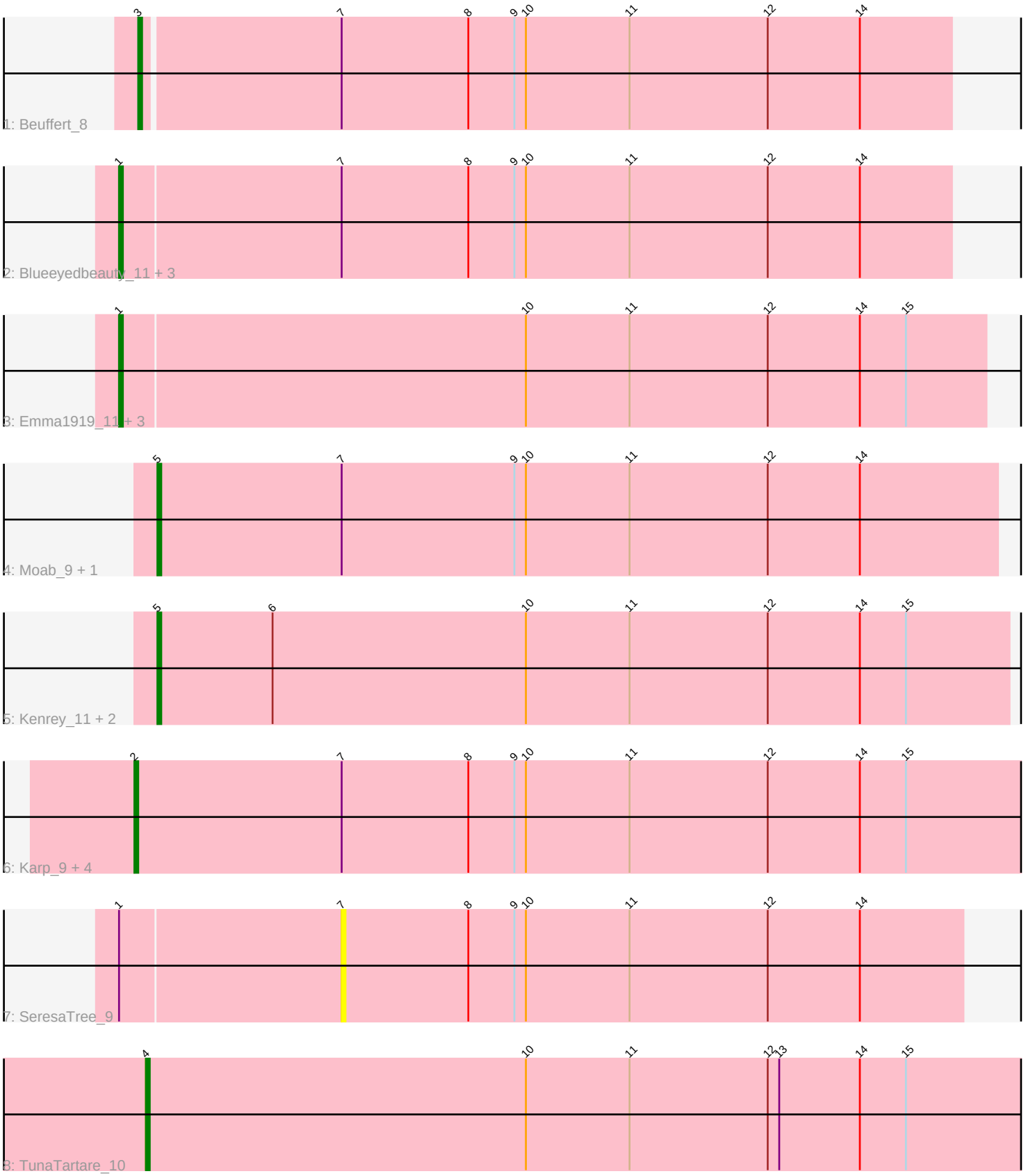
Pham 4111


3
7
8
9
10
11
12
14
1: Beuffert_8
1
7
8
9
10
11
12
14
2: Blueeyedbeauty_11 + 3
1
10
11
12
14
15
3: Emma1919_11 + 3
5
7
9
10
11
12
14
4: Moab_9 + 1
5
6
10
11
12
14
15
5: Kenrey_11 + 2
2
7
8
9
10
11
12
14
15
6: Karp_9 + 4
1
7
8
9
10
11
12
14
7: SeresaTree_9
4
10
11
12
13
14
15
8: TunaTartare_10

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 4111 Report

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

Pham number 4111 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Beuffert_8
• Track 2 : Blueeyedbeauty_11, Annadreamy_9, Limpid_9, Faust_10
• Track 3 : Emma1919_11, Gilson_11, Jada_9, MeganTheeKilla_9
• Track 4 : Moab_9, Patelgo_10
• Track 5 : Kenrey_11, Forrest_11, Phredrick_10
• Track 6 : Karp_9, Stigma_9, Comrade_9, Belfort_11, SparkleGoddess_9
• Track 7 : SeresaTree_9
• Track 8 : TunaTartare_10

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 8 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_9, Blueeyedbeauty_11, Emma1919_11, Faust_10, Gilson_11, Jada_9, Limpid_9, MeganTheeKilla_9,

Genes that have the "Most Annotated" start but do not call it:
• SeresaTree_9,

Genes that do not have the "Most Annotated" start:
• Belfort_11, Beuffert_8, Comrade_9, Forrest_11, Karp_9, Kenrey_11, Moab_9, Patelgo_10, Phredrick_10, SparkleGoddess_9, Stigma_9, TunaTartare_10,

Summary by start number:

Start 1:
• Found in 9 of 21 (42.9%) of genes in pham
• Manual Annotations of this start: 8 of 20
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Annadreamy_9 (BK1), Blueeyedbeauty_11 (BK1), Emma1919_11 (BK1), Faust_10 (BK1), Gilson_11 (BK1), Jada_9 (BK1), Limpid_9 (BK1), MeganTheeKilla_9 (BK1),

Start 2:
• Found in 5 of 21 (23.8%) of genes in pham
• Manual Annotations of this start: 5 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_11 (BK1), Comrade_9 (BK1), Karp_9 (BK1), SparkleGoddess_9 (BK1), Stigma_9 (BK1),

Start 3:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beuffert_8 (BK1),

Start 4:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TunaTartare_10 (BK1),

Start 5:
• Found in 5 of 21 (23.8%) of genes in pham
• Manual Annotations of this start: 5 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Forrest_11 (BK1), Kenrey_11 (BK1), Moab_9 (BK1), Patelgo_10 (BK1), Phredrick_10 (BK1),

Start 7:
• Found in 13 of 21 (61.9%) of genes in pham
• No Manual Annotations of this start.
• Called 7.7% of time when present
• Phage (with cluster) where this start called: SeresaTree_9 (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 8 times for cluster BK1.
•Start number 2 was manually annotated 5 times for cluster BK1.
•Start number 3 was manually annotated 1 time for cluster BK1.
•Start number 4 was manually annotated 1 time for cluster BK1.
•Start number 5 was manually annotated 5 times for cluster BK1.

Gene Information:

Gene: Annadreamy_9 Start: 3283, Stop: 3068, Start Num: 1
Candidate Starts for Annadreamy_9:
(Start: 1 @3283 has 8 MA's), (7, 3226), (8, 3193), (9, 3181), (10, 3178), (11, 3151), (12, 3115), (14, 3091),

Gene: Belfort_11 Start: 4063, Stop: 3833, Start Num: 2
Candidate Starts for Belfort_11:
(Start: 2 @4063 has 5 MA's), (7, 4009), (8, 3976), (9, 3964), (10, 3961), (11, 3934), (12, 3898), (14, 3874), (15, 3862),

Gene: Beuffert_8 Start: 3109, Stop: 2900, Start Num: 3
Candidate Starts for Beuffert_8:
(Start: 3 @3109 has 1 MA's), (7, 3058), (8, 3025), (9, 3013), (10, 3010), (11, 2983), (12, 2947), (14, 2923),

Gene: Blueeyedbeauty_11 Start: 3946, Stop: 3731, Start Num: 1
Candidate Starts for Blueeyedbeauty_11:
(Start: 1 @3946 has 8 MA's), (7, 3889), (8, 3856), (9, 3844), (10, 3841), (11, 3814), (12, 3778), (14, 3754),

Gene: Comrade_9 Start: 3279, Stop: 3049, Start Num: 2
Candidate Starts for Comrade_9:
(Start: 2 @3279 has 5 MA's), (7, 3225), (8, 3192), (9, 3180), (10, 3177), (11, 3150), (12, 3114), (14, 3090), (15, 3078),

Gene: Emma1919_11 Start: 3893, Stop: 3669, Start Num: 1
Candidate Starts for Emma1919_11:
(Start: 1 @3893 has 8 MA's), (10, 3788), (11, 3761), (12, 3725), (14, 3701), (15, 3689),

Gene: Faust_10 Start: 3965, Stop: 3747, Start Num: 1
Candidate Starts for Faust_10:
(Start: 1 @3965 has 8 MA's), (7, 3908), (8, 3875), (9, 3863), (10, 3860), (11, 3833), (12, 3797), (14, 3773),

Gene: Forrest_11 Start: 4027, Stop: 3809, Start Num: 5
Candidate Starts for Forrest_11:
(Start: 5 @4027 has 5 MA's), (6, 3997), (10, 3931), (11, 3904), (12, 3868), (14, 3844), (15, 3832),

Gene: Gilson_11 Start: 3846, Stop: 3616, Start Num: 1
Candidate Starts for Gilson_11:
(Start: 1 @3846 has 8 MA's), (10, 3741), (11, 3714), (12, 3678), (14, 3654), (15, 3642),

Gene: Jada_9 Start: 3207, Stop: 2980, Start Num: 1
Candidate Starts for Jada_9:
(Start: 1 @3207 has 8 MA's), (10, 3102), (11, 3075), (12, 3039), (14, 3015), (15, 3003),

Gene: Karp_9 Start: 3279, Stop: 3049, Start Num: 2
Candidate Starts for Karp_9:
(Start: 2 @3279 has 5 MA's), (7, 3225), (8, 3192), (9, 3180), (10, 3177), (11, 3150), (12, 3114), (14, 3090), (15, 3078),

Gene: Kenrey_11 Start: 3898, Stop: 3677, Start Num: 5
Candidate Starts for Kenrey_11:
(Start: 5 @3898 has 5 MA's), (6, 3868), (10, 3802), (11, 3775), (12, 3739), (14, 3715), (15, 3703),

Gene: Limpid_9 Start: 3282, Stop: 3067, Start Num: 1
Candidate Starts for Limpid_9:

(Start: 1 @3282 has 8 MA's), (7, 3225), (8, 3192), (9, 3180), (10, 3177), (11, 3150), (12, 3114), (14, 3090),

Gene: MeganTheeKilla_9 Start: 3207, Stop: 2980, Start Num: 1
Candidate Starts for MeganTheeKilla_9:
(Start: 1 @3207 has 8 MA's), (10, 3102), (11, 3075), (12, 3039), (14, 3015), (15, 3003),

Gene: Moab_9 Start: 3404, Stop: 3186, Start Num: 5
Candidate Starts for Moab_9:
(Start: 5 @3404 has 5 MA's), (7, 3356), (9, 3311), (10, 3308), (11, 3281), (12, 3245), (14, 3221),

Gene: Patelgo_10 Start: 3404, Stop: 3186, Start Num: 5
Candidate Starts for Patelgo_10:
(Start: 5 @3404 has 5 MA's), (7, 3356), (9, 3311), (10, 3308), (11, 3281), (12, 3245), (14, 3221),

Gene: Phredrick_10 Start: 3506, Stop: 3288, Start Num: 5
Candidate Starts for Phredrick_10:
(Start: 5 @3506 has 5 MA's), (6, 3476), (10, 3410), (11, 3383), (12, 3347), (14, 3323), (15, 3311),

Gene: SeresaTree_9 Start: 3298, Stop: 3137, Start Num: 7
Candidate Starts for SeresaTree_9:
(Start: 1 @3355 has 8 MA's), (7, 3298), (8, 3265), (9, 3253), (10, 3250), (11, 3223), (12, 3187), (14, 3163),

Gene: SparkleGoddess_9 Start: 3275, Stop: 3045, Start Num: 2
Candidate Starts for SparkleGoddess_9:
(Start: 2 @3275 has 5 MA's), (7, 3221), (8, 3188), (9, 3176), (10, 3173), (11, 3146), (12, 3110), (14, 3086), (15, 3074),

Gene: Stigma_9 Start: 3279, Stop: 3049, Start Num: 2
Candidate Starts for Stigma_9:
(Start: 2 @3279 has 5 MA's), (7, 3225), (8, 3192), (9, 3180), (10, 3177), (11, 3150), (12, 3114), (14, 3090), (15, 3078),

Gene: TunaTartare_10 Start: 3529, Stop: 3296, Start Num: 4
Candidate Starts for TunaTartare_10:
(Start: 4 @3529 has 1 MA's), (10, 3430), (11, 3403), (12, 3367), (13, 3364), (14, 3343), (15, 3331),