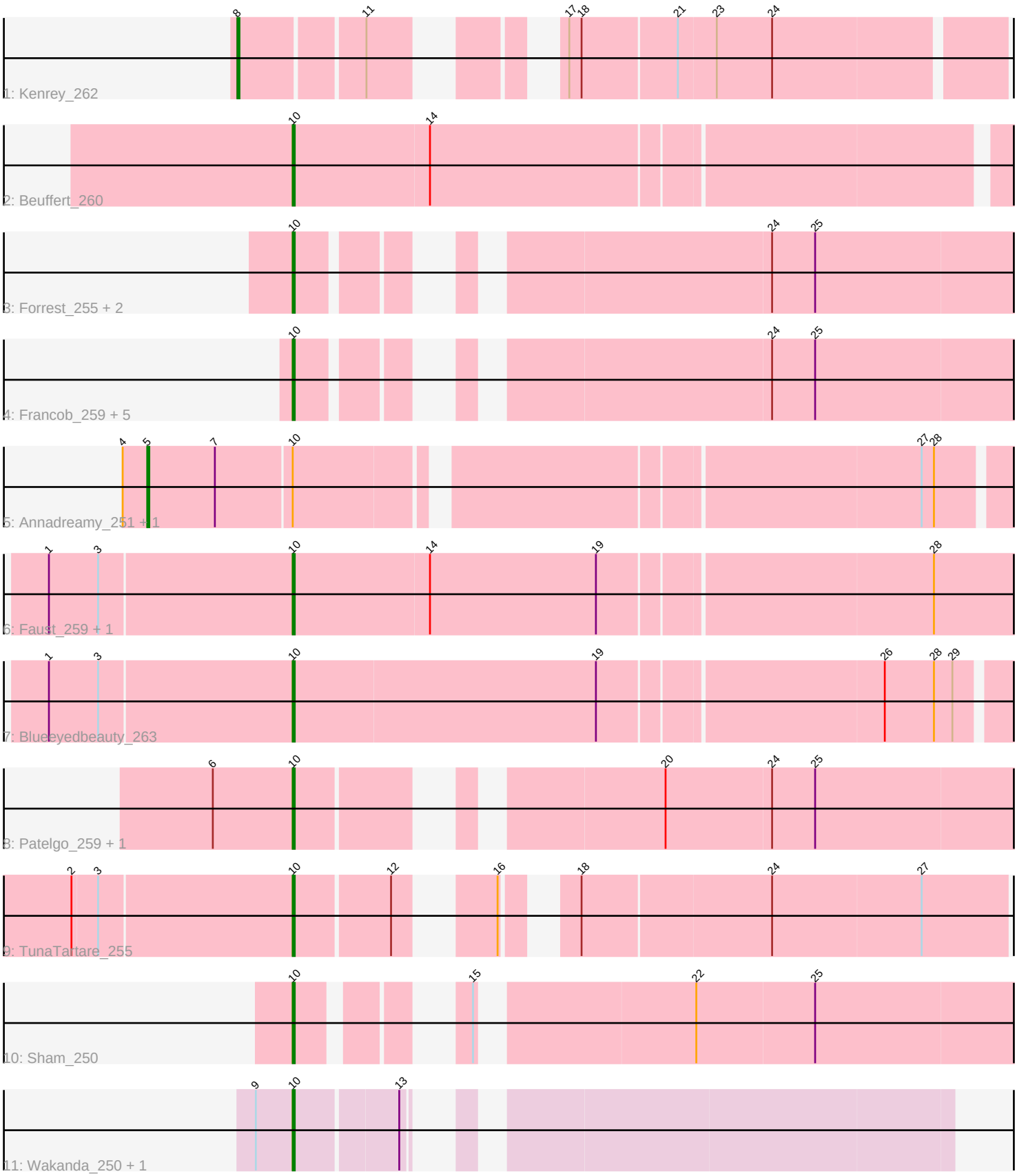
Pham 291530


8
11
17
18
21
23
24
1: Kenrey_262
10
14
2: Beuffert_260
10
24
25
3: Forrest_255 + 2
10
24
25
4: Francob_259 + 5
4
5
7
10
27
28
5: Annadreamy_251 + 1
1
3
10
14
19
28
6: Faust_259 + 1
1
3
10
19
26
28
29
7: Blueeyedbeauty_263
6
10
20
24
25
8: Patelgo_259 + 1
2
3
10
12
16
18
24
27
9: TunaTartare_255
10
15
22
25
10: Sham_250
9
10
13
11: Wakanda_250 + 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 291530 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291530 has 22 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Kenrey_262
• Track 2 : Beuffert_260
• Track 3 : Forrest_255, DeluluLabubu_258, Jada_256
• Track 4 : Francob_259, Emma1919_256, Gilson_255, Maupel_261, MeganTheeKilla_257, Phredrick_261
• Track 5 : Annadreamy_251, Limpid_257
• Track 6 : Faust_259, SeresaTree_264
• Track 7 : Blueeyedbeauty_263
• Track 8 : Patelgo_259, Moab_256
• Track 9 : TunaTartare_255
• Track 10 : Sham_250
• Track 11 : Wakanda_250, Muntaha_253

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

Genes that call this "Most Annotated" start:
• Beuffert_260, Blueeyedbeauty_263, DeluluLabubu_258, Emma1919_256, Faust_259, Forrest_255, Francob_259, Gilson_255, Jada_256, Maupel_261, MeganTheeKilla_257, Moab_256, Muntaha_253, Patelgo_259, Phredrick_261, SeresaTree_264, Sham_250, TunaTartare_255, Wakanda_250,

Genes that have the "Most Annotated" start but do not call it:
• Annadreamy_251, Limpid_257,

Genes that do not have the "Most Annotated" start:
• Kenrey_262,

Summary by start number:

Start 5:
• Found in 2 of 22 (9.1%) of genes in pham

• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_251 (BK1), Limpid_257 (BK1),

Start 8:
• Found in 1 of 22 (4.5%) 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: Kenrey_262 (BK1),

Start 10:
• Found in 21 of 22 (95.5%) of genes in pham
• Manual Annotations of this start: 17 of 20
• Called 90.5% of time when present
• Phage (with cluster) where this start called: Beuffert_260 (BK1), Blueeyedbeauty_263 (BK1), DeluluLababu_258 (BK1), Emma1919_256 (BK1), Faust_259 (BK1), Forrest_255 (BK1), Francob_259 (BK1), Gilson_255 (BK1), Jada_256 (BK1), Maupel_261 (BK1), MeganTheeKilla_257 (BK1), Moab_256 (BK1), Muntaha_253 (BK2), Patelgo_259 (BK1), Phredrick_261 (BK1), SeresaTree_264 (BK1), Sham_250 (BK1), TunaTartare_255 (BK1), Wakanda_250 (BK2),

Summary by clusters:

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

Info for manual annotations of cluster BK1:
•Start number 5 was manually annotated 2 times for cluster BK1.
•Start number 8 was manually annotated 1 time for cluster BK1.
•Start number 10 was manually annotated 15 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 10 was manually annotated 2 times for cluster BK2.

Gene Information:

Gene: Annadreamy_251 Start: 119921, Stop: 120310, Start Num: 5
Candidate Starts for Annadreamy_251:
(4, 119909), (Start: 5 @119921 has 2 MA's), (7, 119954), (Start: 10 @119990 has 17 MA's), (27, 120272), (28, 120278),

Gene: Beuffert_260 Start: 123926, Stop: 124258, Start Num: 10
Candidate Starts for Beuffert_260:
(Start: 10 @123926 has 17 MA's), (14, 123992),

Gene: Blueeyedbeauty_263 Start: 124575, Stop: 124910, Start Num: 10
Candidate Starts for Blueeyedbeauty_263:
(1, 124458), (3, 124482), (Start: 10 @124575 has 17 MA's), (19, 124722), (26, 124854), (28, 124878), (29, 124887),

Gene: DeluluLababu_258 Start: 122626, Stop: 122931, Start Num: 10

Candidate Starts for DeluluLabubu_258:
(Start: 10 @122626 has 17 MA's), (24, 122812), (25, 122833),

Gene: Emma1919_256 Start: 121695, Stop: 122000, Start Num: 10
Candidate Starts for Emma1919_256:
(Start: 10 @121695 has 17 MA's), (24, 121881), (25, 121902),

Gene: Faust_259 Start: 124710, Stop: 125051, Start Num: 10
Candidate Starts for Faust_259:
(1, 124593), (3, 124617), (Start: 10 @124710 has 17 MA's), (14, 124776), (19, 124857), (28, 125013),

Gene: Forrest_255 Start: 122435, Stop: 122740, Start Num: 10
Candidate Starts for Forrest_255:
(Start: 10 @122435 has 17 MA's), (24, 122621), (25, 122642),

Gene: Francob_259 Start: 122798, Stop: 123103, Start Num: 10
Candidate Starts for Francob_259:
(Start: 10 @122798 has 17 MA's), (24, 122984), (25, 123005),

Gene: Gilson_255 Start: 122053, Stop: 122358, Start Num: 10
Candidate Starts for Gilson_255:
(Start: 10 @122053 has 17 MA's), (24, 122239), (25, 122260),

Gene: Jada_256 Start: 121675, Stop: 121980, Start Num: 10
Candidate Starts for Jada_256:
(Start: 10 @121675 has 17 MA's), (24, 121861), (25, 121882),

Gene: Kenrey_262 Start: 123505, Stop: 123822, Start Num: 8
Candidate Starts for Kenrey_262:
(Start: 8 @123505 has 1 MA's), (11, 123562), (17, 123619), (18, 123625), (21, 123670), (23, 123688), (24, 123715),

Gene: Limpid_257 Start: 125234, Stop: 125623, Start Num: 5
Candidate Starts for Limpid_257:
(4, 125222), (Start: 5 @125234 has 2 MA's), (7, 125267), (Start: 10 @125303 has 17 MA's), (27, 125585), (28, 125591),

Gene: Maupel_261 Start: 121246, Stop: 121551, Start Num: 10
Candidate Starts for Maupel_261:
(Start: 10 @121246 has 17 MA's), (24, 121432), (25, 121453),

Gene: MeganTheeKilla_257 Start: 121864, Stop: 122169, Start Num: 10
Candidate Starts for MeganTheeKilla_257:
(Start: 10 @121864 has 17 MA's), (24, 122050), (25, 122071),

Gene: Moab_256 Start: 123622, Stop: 123930, Start Num: 10
Candidate Starts for Moab_256:
(6, 123583), (Start: 10 @123622 has 17 MA's), (20, 123763), (24, 123814), (25, 123835),

Gene: Muntaha_253 Start: 120926, Stop: 121201, Start Num: 10
Candidate Starts for Muntaha_253:
(9, 120908), (Start: 10 @120926 has 17 MA's), (13, 120974),

Gene: Patelgo_259 Start: 124569, Stop: 124877, Start Num: 10
Candidate Starts for Patelgo_259:
(6, 124530), (Start: 10 @124569 has 17 MA's), (20, 124710), (24, 124761), (25, 124782),

Gene: Phredrick_261 Start: 122546, Stop: 122851, Start Num: 10
Candidate Starts for Phredrick_261:
(Start: 10 @122546 has 17 MA's), (24, 122732), (25, 122753),

Gene: SeresaTree_264 Start: 124931, Stop: 125272, Start Num: 10
Candidate Starts for SeresaTree_264:
(1, 124814), (3, 124838), (Start: 10 @124931 has 17 MA's), (14, 124997), (19, 125078), (28, 125234),

Gene: Sham_250 Start: 124680, Stop: 124979, Start Num: 10
Candidate Starts for Sham_250:
(Start: 10 @124680 has 17 MA's), (15, 124734), (22, 124827), (25, 124884),

Gene: TunaTartare_255 Start: 125536, Stop: 125835, Start Num: 10
Candidate Starts for TunaTartare_255:
(2, 125431), (3, 125443), (Start: 10 @125536 has 17 MA's), (12, 125581), (16, 125611), (18, 125632), (24, 125722), (27, 125794),

Gene: Wakanda_250 Start: 120140, Stop: 120415, Start Num: 10
Candidate Starts for Wakanda_250:
(9, 120122), (Start: 10 @120140 has 17 MA's), (13, 120188),