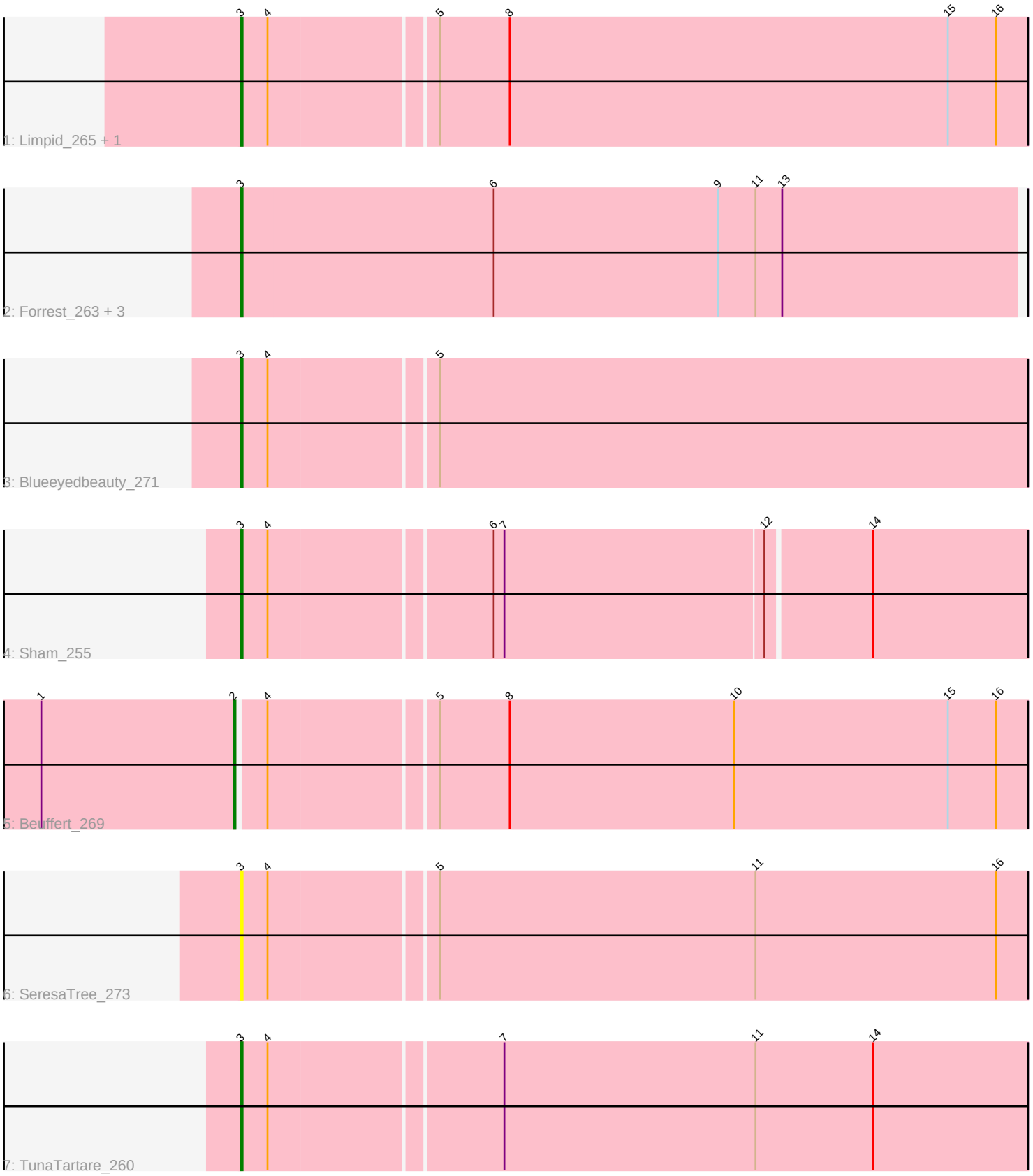
Pham 87472


3
4
5
8
15
16
1: Limpid_265 + 1
3
6
9
11
13
2: Forrest_263 + 3
3
4
5
3: Blueeyedbeauty_271
3
4
6
7
12
14
4: Sham_255
1
2
4
5
8
10
15
16
5: Beuffert_269
3
4
5
11
16
6: SeresaTree_273
3
4
7
11
14
7: TunaTartare_260

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 87472 Report

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

Pham number 87472 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Limpid_265, Annadreamy_259
• Track 2 : Forrest_263, Emma1919_265, Jada_264, Phredrick_270
• Track 3 : Blueeyedbeauty_271
• Track 4 : Sham_255
• Track 5 : Beuffert_269
• Track 6 : SeresaTree_273
• Track 7 : TunaTartare_260

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_259, Blueeyedbeauty_271, Emma1919_265, Forrest_263, Jada_264, Limpid_265, Phredrick_270, SeresaTree_273, Sham_255, TunaTartare_260,

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

Genes that do not have the "Most Annotated" start:
• Beuffert_269,

Summary by start number:

Start 2:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beuffert_269 (BK1),

Start 3:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 9 of 10

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_259 (BK1), Blueeyedbeauty_271 (BK1), Emma1919_265 (BK1), Forrest_263 (BK1), Jada_264 (BK1), Limpid_265 (BK1), Phredrick_270 (BK1), SeresaTree_273 (BK1), Sham_255 (BK1), TunaTartare_260 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 2 was manually annotated 1 time for cluster BK1.
•Start number 3 was manually annotated 9 times for cluster BK1.

Gene Information:

Gene: Annadreamy_259 Start: 123082, Stop: 123516, Start Num: 3
Candidate Starts for Annadreamy_259:
(Start: 3 @123082 has 9 MA's), (4, 123097), (5, 123187), (8, 123226), (15, 123472), (16, 123499),

Gene: Beuffert_269 Start: 127307, Stop: 127741, Start Num: 2
Candidate Starts for Beuffert_269:
(1, 127199), (Start: 2 @127307 has 1 MA's), (4, 127322), (5, 127412), (8, 127451), (10, 127577), (15, 127697), (16, 127724),

Gene: Blueeyedbeauty_271 Start: 127676, Stop: 128110, Start Num: 3
Candidate Starts for Blueeyedbeauty_271:
(Start: 3 @127676 has 9 MA's), (4, 127691), (5, 127781),

Gene: Emma1919_265 Start: 125807, Stop: 126241, Start Num: 3
Candidate Starts for Emma1919_265:
(Start: 3 @125807 has 9 MA's), (6, 125948), (9, 126074), (11, 126095), (13, 126110),

Gene: Forrest_263 Start: 126244, Stop: 126678, Start Num: 3
Candidate Starts for Forrest_263:
(Start: 3 @126244 has 9 MA's), (6, 126385), (9, 126511), (11, 126532), (13, 126547),

Gene: Jada_264 Start: 125484, Stop: 125918, Start Num: 3
Candidate Starts for Jada_264:
(Start: 3 @125484 has 9 MA's), (6, 125625), (9, 125751), (11, 125772), (13, 125787),

Gene: Limpid_265 Start: 128395, Stop: 128829, Start Num: 3
Candidate Starts for Limpid_265:
(Start: 3 @128395 has 9 MA's), (4, 128410), (5, 128500), (8, 128539), (15, 128785), (16, 128812),

Gene: Phredrick_270 Start: 126605, Stop: 127039, Start Num: 3
Candidate Starts for Phredrick_270:
(Start: 3 @126605 has 9 MA's), (6, 126746), (9, 126872), (11, 126893), (13, 126908),

Gene: SeresaTree_273 Start: 128254, Stop: 128688, Start Num: 3
Candidate Starts for SeresaTree_273:

(Start: 3 @128254 has 9 MA's), (4, 128269), (5, 128359), (11, 128536), (16, 128671),

Gene: Sham_255 Start: 127027, Stop: 127455, Start Num: 3
Candidate Starts for Sham_255:
(Start: 3 @127027 has 9 MA's), (4, 127042), (6, 127162), (7, 127168), (12, 127312), (14, 127369),

Gene: TunaTartare_260 Start: 127643, Stop: 128077, Start Num: 3
Candidate Starts for TunaTartare_260:
(Start: 3 @127643 has 9 MA's), (4, 127658), (7, 127784), (11, 127925), (14, 127991),