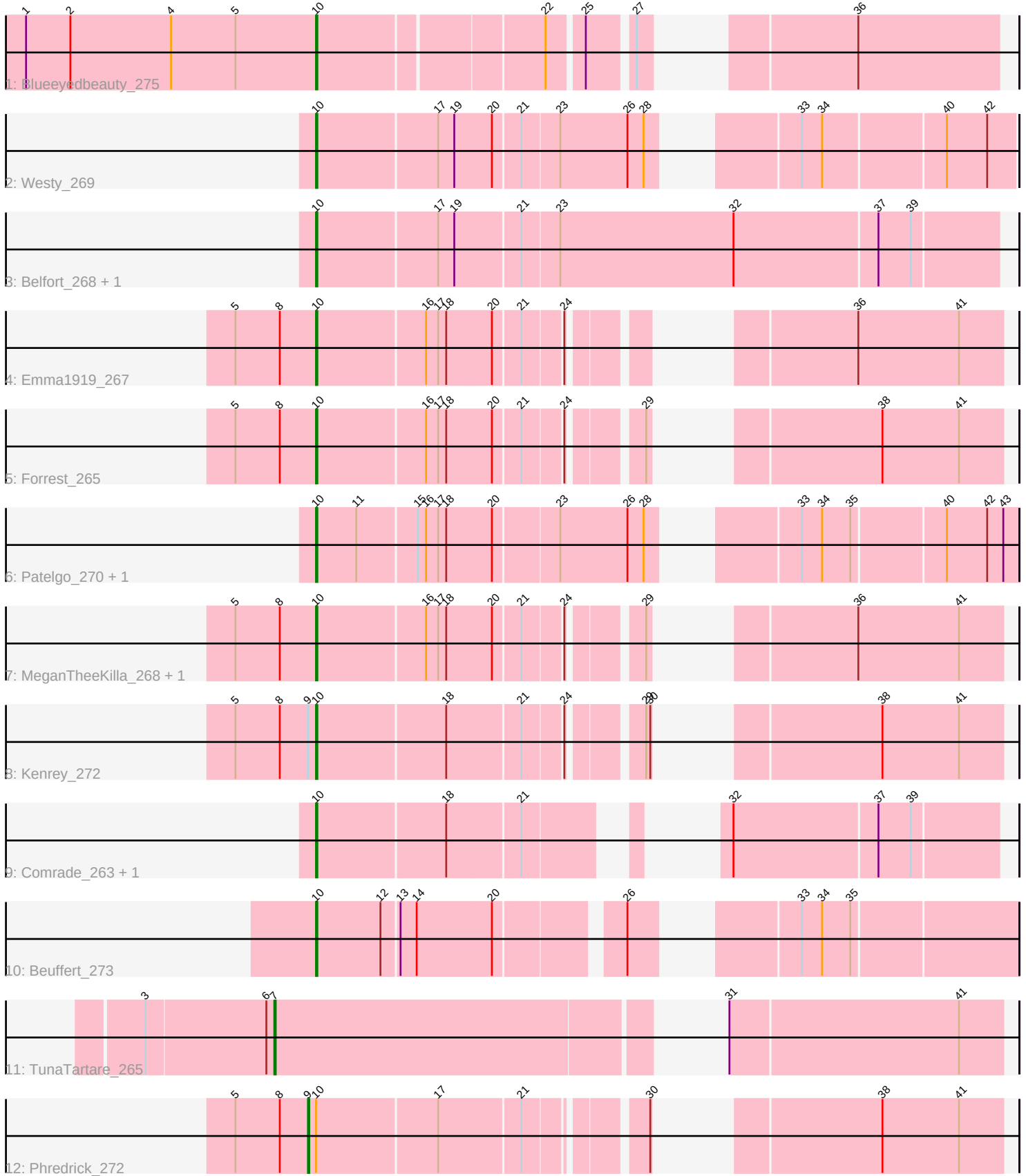


Pham 280986



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 280986 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280986 has 16 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Blueeyedbeauty_275
- Track 2 : Westy_269
- Track 3 : Belfort_268, Karp_268
- Track 4 : Emma1919_267
- Track 5 : Forrest_265
- Track 6 : Patelgo_270, Moab_267
- Track 7 : MeganTheeKilla_268, Francob_269
- Track 8 : Kenrey_272
- Track 9 : Comrade_263, SparkleGoddess_266
- Track 10 : Beuffert_273
- Track 11 : TunaTartare_265
- Track 12 : Phredrick_272

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 14 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_268, Beuffert_273, Blueeyedbeauty_275, Comrade_263, Emma1919_267, Forrest_265, Francob_269, Karp_268, Kenrey_272, MeganTheeKilla_268, Moab_267, Patelgo_270, SparkleGoddess_266, Westy_269,

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

- Phredrick_272,

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

- TunaTartare_265,

Summary by start number:

Start 7:

- Found in 1 of 16 (6.2%) of genes in pham
- Manual Annotations of this start: 1 of 16

- Called 100.0% of time when present
- Phage (with cluster) where this start called: TunaTartare_265 (BK1),

Start 9:

- Found in 2 of 16 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Phredrick_272 (BK1),

Start 10:

- Found in 15 of 16 (93.8%) of genes in pham
- Manual Annotations of this start: 14 of 16
- Called 93.3% of time when present
- Phage (with cluster) where this start called: Belfort_268 (BK1), Beuffert_273 (BK1), Blueeyedbeauty_275 (BK1), Comrade_263 (BK1), Emma1919_267 (BK1), Forrest_265 (BK1), Francob_269 (BK1), Karp_268 (BK1), Kenrey_272 (BK1), MeganTheeKilla_268 (BK1), Moab_267 (BK1), Patelgo_270 (BK1), SparkleGoddess_266 (BK1), Westy_269 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 7 was manually annotated 1 time for cluster BK1.
- Start number 9 was manually annotated 1 time for cluster BK1.
- Start number 10 was manually annotated 14 times for cluster BK1.

Gene Information:

Gene: Belfort_268 Start: 127669, Stop: 128160, Start Num: 10

Candidate Starts for Belfort_268:

(Start: 10 @127669 has 14 MA's), (17, 127756), (19, 127768), (21, 127813), (23, 127840), (32, 127969), (37, 128074), (39, 128098),

Gene: Beuffert_273 Start: 128615, Stop: 129061, Start Num: 10

Candidate Starts for Beuffert_273:

(Start: 10 @128615 has 14 MA's), (12, 128663), (13, 128675), (14, 128687), (20, 128741), (26, 128822), (33, 128906), (34, 128921), (35, 128942),

Gene: Blueeyedbeauty_275 Start: 129181, Stop: 129603, Start Num: 10

Candidate Starts for Blueeyedbeauty_275:

(1, 128965), (2, 128998), (4, 129073), (5, 129121), (Start: 10 @129181 has 14 MA's), (22, 129340), (25, 129364), (27, 129394), (36, 129499),

Gene: Comrade_263 Start: 127808, Stop: 128215, Start Num: 10

Candidate Starts for Comrade_263:

(Start: 10 @127808 has 14 MA's), (18, 127901), (21, 127952), (32, 128024), (37, 128129), (39, 128153),

Gene: Emma1919_267 Start: 126830, Stop: 127246, Start Num: 10

Candidate Starts for Emma1919_267:

(5, 126770), (8, 126803), (Start: 10 @126830 has 14 MA's), (16, 126908), (17, 126917), (18, 126923), (20, 126956), (21, 126974), (24, 127001), (36, 127139), (41, 127214),

Gene: Forrest_265 Start: 127267, Stop: 127683, Start Num: 10

Candidate Starts for Forrest_265:

(5, 127207), (8, 127240), (Start: 10 @127267 has 14 MA's), (16, 127345), (17, 127354), (18, 127360), (20, 127393), (21, 127411), (24, 127438), (29, 127483), (38, 127594), (41, 127651),

Gene: Francob_269 Start: 127555, Stop: 127971, Start Num: 10

Candidate Starts for Francob_269:

(5, 127495), (8, 127528), (Start: 10 @127555 has 14 MA's), (16, 127633), (17, 127642), (18, 127648), (20, 127681), (21, 127699), (24, 127726), (29, 127771), (36, 127864), (41, 127939),

Gene: Karp_268 Start: 129266, Stop: 129757, Start Num: 10

Candidate Starts for Karp_268:

(Start: 10 @129266 has 14 MA's), (17, 129353), (19, 129365), (21, 129410), (23, 129437), (32, 129566), (37, 129671), (39, 129695),

Gene: Kenrey_272 Start: 128308, Stop: 128724, Start Num: 10

Candidate Starts for Kenrey_272:

(5, 128248), (8, 128281), (Start: 9 @128302 has 1 MA's), (Start: 10 @128308 has 14 MA's), (18, 128401), (21, 128452), (24, 128479), (29, 128524), (30, 128527), (38, 128635), (41, 128692),

Gene: MeganTheeKilla_268 Start: 126906, Stop: 127322, Start Num: 10

Candidate Starts for MeganTheeKilla_268:

(5, 126846), (8, 126879), (Start: 10 @126906 has 14 MA's), (16, 126984), (17, 126993), (18, 126999), (20, 127032), (21, 127050), (24, 127077), (29, 127122), (36, 127215), (41, 127290),

Gene: Moab_267 Start: 128131, Stop: 128589, Start Num: 10

Candidate Starts for Moab_267:

(Start: 10 @128131 has 14 MA's), (11, 128161), (15, 128203), (16, 128209), (17, 128218), (18, 128224), (20, 128257), (23, 128302), (26, 128350), (28, 128362), (33, 128434), (34, 128449), (35, 128470), (40, 128536), (42, 128566), (43, 128578),

Gene: Patelgo_270 Start: 129064, Stop: 129522, Start Num: 10

Candidate Starts for Patelgo_270:

(Start: 10 @129064 has 14 MA's), (11, 129094), (15, 129136), (16, 129142), (17, 129151), (18, 129157), (20, 129190), (23, 129235), (26, 129283), (28, 129295), (33, 129367), (34, 129382), (35, 129403), (40, 129469), (42, 129499), (43, 129511),

Gene: Phredrick_272 Start: 127622, Stop: 128044, Start Num: 9

Candidate Starts for Phredrick_272:

(5, 127568), (8, 127601), (Start: 9 @127622 has 1 MA's), (Start: 10 @127628 has 14 MA's), (17, 127715), (21, 127772), (30, 127847), (38, 127955), (41, 128012),

Gene: SparkleGoddess_266 Start: 128535, Stop: 128942, Start Num: 10

Candidate Starts for SparkleGoddess_266:

(Start: 10 @128535 has 14 MA's), (18, 128628), (21, 128679), (32, 128751), (37, 128856), (39, 128880),

Gene: TunaTartare_265 Start: 129572, Stop: 130045, Start Num: 7

Candidate Starts for TunaTartare_265:

(3, 129479), (6, 129566), (Start: 7 @129572 has 1 MA's), (31, 129845), (41, 130013),

Gene: Westy_269 Start: 129072, Stop: 129527, Start Num: 10

Candidate Starts for Westy_269:

(Start: 10 @129072 has 14 MA's), (17, 129159), (19, 129171), (20, 129198), (21, 129216), (23, 129243), (26, 129291), (28, 129303), (33, 129375), (34, 129390), (40, 129477), (42, 129507),