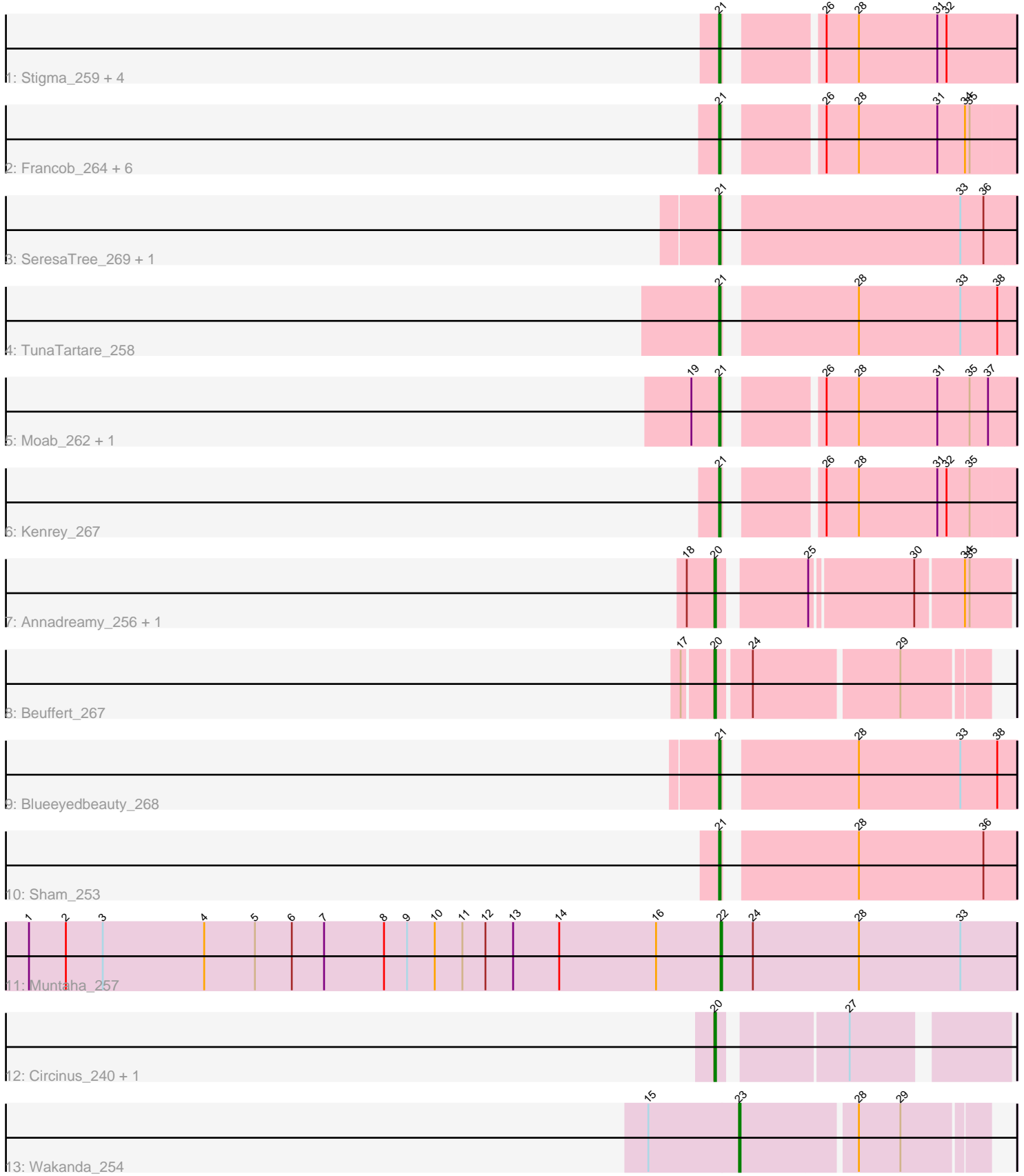


Pham 3247



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 3247 Report

This analysis was run 07/09/24 on database version 566.

Pham number 3247 has 27 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Stigma_259, Karp_261, Belfort_262, Comrade_257, SparkleGoddess_261
- Track 2 : Francob_264, Gilson_261, Emma1919_262, Phredrick_267, Forrest_260, MeganTheeKilla_263, Jada_261
- Track 3 : SeresaTree_269, Faust_264
- Track 4 : TunaTartare_258
- Track 5 : Moab_262, Patelgo_265
- Track 6 : Kenrey_267
- Track 7 : Annadreamy_256, Limpid_262
- Track 8 : Beuffert_267
- Track 9 : Blueeyedbeauty_268
- Track 10 : Sham_253
- Track 11 : Muntaha_257
- Track 12 : Circinus_240, BillNye_241
- Track 13 : Wakanda_254

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

The start number called the most often in the published annotations is 21, it was called in 19 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_262, Blueeyedbeauty_268, Comrade_257, Emma1919_262, Faust_264, Forrest_260, Francob_264, Gilson_261, Jada_261, Karp_261, Kenrey_267, MeganTheeKilla_263, Moab_262, Patelgo_265, Phredrick_267, SeresaTree_269, Sham_253, SparkleGoddess_261, Stigma_259, TunaTartare_258,

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

-

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

- Annadreamy_256, Beuffert_267, BillNye_241, Circinus_240, Limpid_262, Muntaha_257, Wakanda_254,

Summary by start number:

Start 20:

- Found in 5 of 27 (18.5%) of genes in pham
- Manual Annotations of this start: 5 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_256 (BK1), Beuffert_267 (BK1), BillNye_241 (BK2), Circinus_240 (BK2), Limpid_262 (BK1),

Start 21:

- Found in 20 of 27 (74.1%) of genes in pham
- Manual Annotations of this start: 19 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_262 (BK1), Blueeyedbeauty_268 (BK1), Comrade_257 (BK1), Emma1919_262 (BK1), Faust_264 (BK1), Forrest_260 (BK1), Francob_264 (BK1), Gilson_261 (BK1), Jada_261 (BK1), Karp_261 (BK1), Kenrey_267 (BK1), MeganTheeKilla_263 (BK1), Moab_262 (BK1), Patelgo_265 (BK1), Phredrick_267 (BK1), SeresaTree_269 (BK1), Sham_253 (BK1), SparkleGoddess_261 (BK1), Stigma_259 (BK1), TunaTartare_258 (BK1),

Start 22:

- Found in 1 of 27 (3.7%) of genes in pham
- Manual Annotations of this start: 1 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Muntaha_257 (BK2),

Start 23:

- Found in 1 of 27 (3.7%) of genes in pham
- Manual Annotations of this start: 1 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wakanda_254 (BK2),

Summary by clusters:

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

Info for manual annotations of cluster BK1:

- Start number 20 was manually annotated 3 times for cluster BK1.
- Start number 21 was manually annotated 19 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 20 was manually annotated 2 times for cluster BK2.
- Start number 22 was manually annotated 1 time for cluster BK2.
- Start number 23 was manually annotated 1 time for cluster BK2.

Gene Information:

Gene: Annadreamy_256 Start: 122241, Stop: 122414, Start Num: 20

Candidate Starts for Annadreamy_256:

(18, 122223), (Start: 20 @122241 has 5 MA's), (25, 122292), (30, 122355), (34, 122385), (35, 122388),

Gene: Belfort_262 Start: 125385, Stop: 125558, Start Num: 21
Candidate Starts for Belfort_262:
(Start: 21 @125385 has 19 MA's), (26, 125436), (28, 125457), (31, 125508), (32, 125514),

Gene: Beuffert_267 Start: 126726, Stop: 126890, Start Num: 20
Candidate Starts for Beuffert_267:
(17, 126708), (Start: 20 @126726 has 5 MA's), (24, 126747), (29, 126837),

Gene: BillNye_241 Start: 122011, Stop: 122178, Start Num: 20
Candidate Starts for BillNye_241:
(Start: 20 @122011 has 5 MA's), (27, 122086),

Gene: Blueeyedbeauty_268 Start: 126834, Stop: 127013, Start Num: 21
Candidate Starts for Blueeyedbeauty_268:
(Start: 21 @126834 has 19 MA's), (28, 126912), (33, 126978), (38, 127002),

Gene: Circinus_240 Start: 121518, Stop: 121685, Start Num: 20
Candidate Starts for Circinus_240:
(Start: 20 @121518 has 5 MA's), (27, 121593),

Gene: Comrade_257 Start: 125527, Stop: 125700, Start Num: 21
Candidate Starts for Comrade_257:
(Start: 21 @125527 has 19 MA's), (26, 125578), (28, 125599), (31, 125650), (32, 125656),

Gene: Emma1919_262 Start: 124562, Stop: 124735, Start Num: 21
Candidate Starts for Emma1919_262:
(Start: 21 @124562 has 19 MA's), (26, 124613), (28, 124634), (31, 124685), (34, 124703), (35, 124706),

Gene: Faust_264 Start: 126911, Stop: 127090, Start Num: 21
Candidate Starts for Faust_264:
(Start: 21 @126911 has 19 MA's), (33, 127055), (36, 127070),

Gene: Forrest_260 Start: 124999, Stop: 125172, Start Num: 21
Candidate Starts for Forrest_260:
(Start: 21 @124999 has 19 MA's), (26, 125050), (28, 125071), (31, 125122), (34, 125140), (35, 125143),

Gene: Francob_264 Start: 125384, Stop: 125557, Start Num: 21
Candidate Starts for Francob_264:
(Start: 21 @125384 has 19 MA's), (26, 125435), (28, 125456), (31, 125507), (34, 125525), (35, 125528),

Gene: Gilson_261 Start: 124921, Stop: 125094, Start Num: 21
Candidate Starts for Gilson_261:
(Start: 21 @124921 has 19 MA's), (26, 124972), (28, 124993), (31, 125044), (34, 125062), (35, 125065),

Gene: Jada_261 Start: 124239, Stop: 124412, Start Num: 21
Candidate Starts for Jada_261:
(Start: 21 @124239 has 19 MA's), (26, 124290), (28, 124311), (31, 124362), (34, 124380), (35, 124383),

Gene: Karp_261 Start: 126982, Stop: 127155, Start Num: 21
Candidate Starts for Karp_261:
(Start: 21 @126982 has 19 MA's), (26, 127033), (28, 127054), (31, 127105), (32, 127111),

Gene: Kenrey_267 Start: 126133, Stop: 126306, Start Num: 21
Candidate Starts for Kenrey_267:
(Start: 21 @126133 has 19 MA's), (26, 126184), (28, 126205), (31, 126256), (32, 126262), (35, 126277),

Gene: Limpid_262 Start: 127554, Stop: 127727, Start Num: 20
Candidate Starts for Limpid_262:
(18, 127536), (Start: 20 @127554 has 5 MA's), (25, 127605), (30, 127668), (34, 127698), (35, 127701),

Gene: MeganTheeKilla_263 Start: 124732, Stop: 124905, Start Num: 21
Candidate Starts for MeganTheeKilla_263:
(Start: 21 @124732 has 19 MA's), (26, 124783), (28, 124804), (31, 124855), (34, 124873), (35, 124876),

Gene: Moab_262 Start: 126393, Stop: 126566, Start Num: 21
Candidate Starts for Moab_262:
(19, 126375), (Start: 21 @126393 has 19 MA's), (26, 126444), (28, 126465), (31, 126516), (35, 126537), (37, 126549),

Gene: Muntaha_257 Start: 122489, Stop: 122680, Start Num: 22
Candidate Starts for Muntaha_257:
(1, 122039), (2, 122063), (3, 122087), (4, 122153), (5, 122186), (6, 122210), (7, 122231), (8, 122270), (9, 122285), (10, 122303), (11, 122321), (12, 122336), (13, 122354), (14, 122384), (16, 122447), (Start: 22 @122489 has 1 MA's), (24, 122510), (28, 122579), (33, 122645),

Gene: Patelgo_265 Start: 127326, Stop: 127499, Start Num: 21
Candidate Starts for Patelgo_265:
(19, 127308), (Start: 21 @127326 has 19 MA's), (26, 127377), (28, 127398), (31, 127449), (35, 127470), (37, 127482),

Gene: Phredrick_267 Start: 125360, Stop: 125533, Start Num: 21
Candidate Starts for Phredrick_267:
(Start: 21 @125360 has 19 MA's), (26, 125411), (28, 125432), (31, 125483), (34, 125501), (35, 125504),

Gene: SeresaTree_269 Start: 127132, Stop: 127311, Start Num: 21
Candidate Starts for SeresaTree_269:
(Start: 21 @127132 has 19 MA's), (33, 127276), (36, 127291),

Gene: Sham_253 Start: 126199, Stop: 126378, Start Num: 21
Candidate Starts for Sham_253:
(Start: 21 @126199 has 19 MA's), (28, 126277), (36, 126358),

Gene: SparkleGoddess_261 Start: 126254, Stop: 126427, Start Num: 21
Candidate Starts for SparkleGoddess_261:
(Start: 21 @126254 has 19 MA's), (26, 126305), (28, 126326), (31, 126377), (32, 126383),

Gene: Stigma_259 Start: 125967, Stop: 126140, Start Num: 21

Candidate Starts for Stigma_259:

(Start: 21 @125967 has 19 MA's), (26, 126018), (28, 126039), (31, 126090), (32, 126096),

Gene: TunaTartare_258 Start: 127051, Stop: 127230, Start Num: 21

Candidate Starts for TunaTartare_258:

(Start: 21 @127051 has 19 MA's), (28, 127129), (33, 127195), (38, 127219),

Gene: Wakanda_254 Start: 121701, Stop: 121853, Start Num: 23

Candidate Starts for Wakanda_254:

(15, 121653), (Start: 23 @121701 has 1 MA's), (28, 121773), (29, 121800),