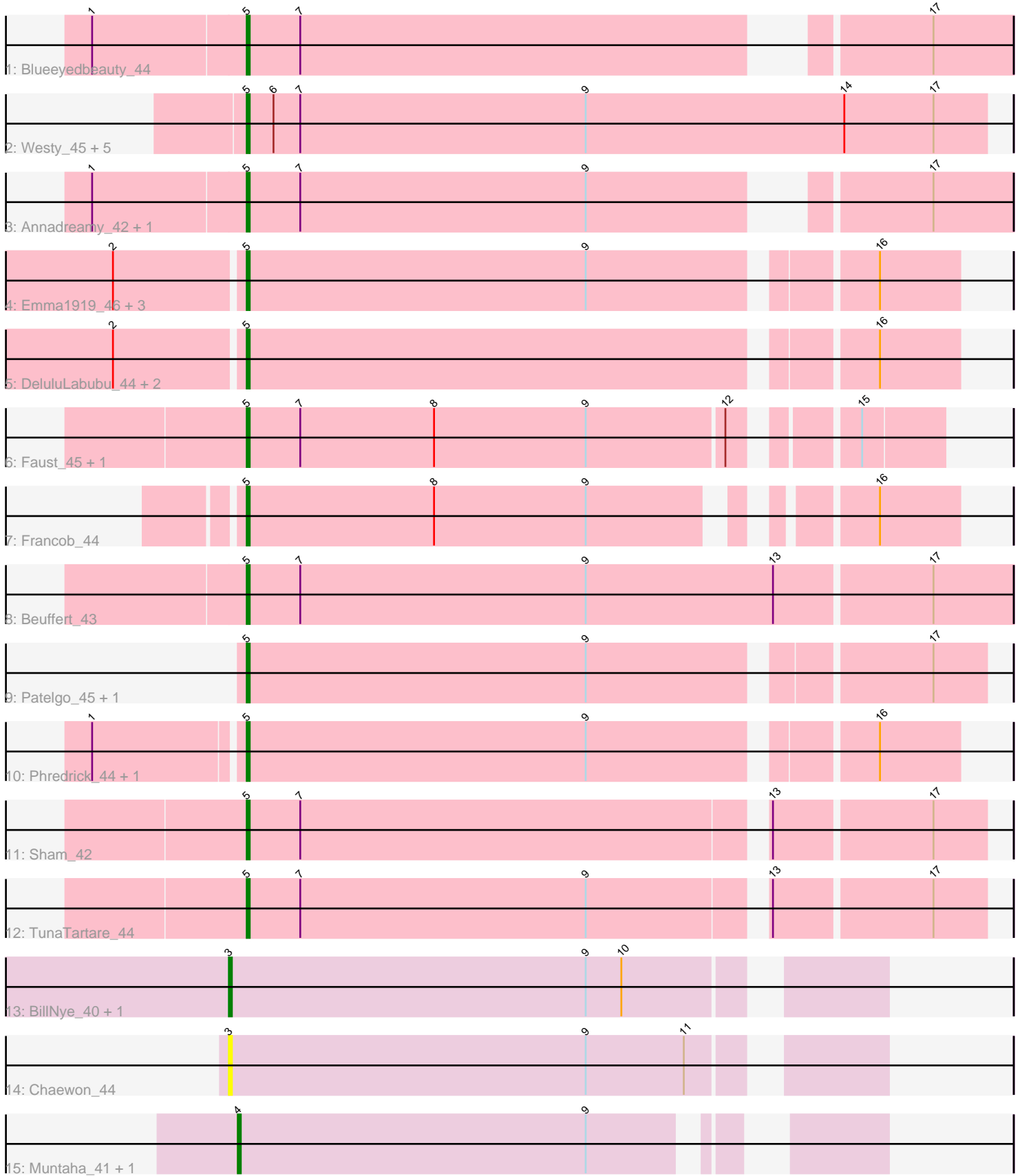


Pham 293021



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 293021 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293021 has 31 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Blueeyedbeauty_44
- Track 2 : Westy_45, Belfort_46, Stigma_45, Comrade_45, Karp_44, SparkleGoddess_45
- Track 3 : Annadreamy_42, Limpid_42
- Track 4 : Emma1919_46, MeganTheeKilla_44, Maupel_45, Gilson_46
- Track 5 : DeluluLabubu_44, Forrest_46, Jada_44
- Track 6 : Faust_45, SeresaTree_44
- Track 7 : Francob_44
- Track 8 : Beuffert_43
- Track 9 : Patelgo_45, Moab_45
- Track 10 : Phredrick_44, Kenrey_46
- Track 11 : Sham_42
- Track 12 : TunaTartare_44
- Track 13 : BillNye_40, Circinus_42
- Track 14 : Chaewon_44
- Track 15 : Muntaha_41, Wakanda_41

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

The start number called the most often in the published annotations is 5, it was called in 24 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_42, Belfort_46, Beuffert_43, Blueeyedbeauty_44, Comrade_45, DeluluLabubu_44, Emma1919_46, Faust_45, Forrest_46, Francob_44, Gilson_46, Jada_44, Karp_44, Kenrey_46, Limpid_42, Maupel_45, MeganTheeKilla_44, Moab_45, Patelgo_45, Phredrick_44, SeresaTree_44, Sham_42, SparkleGoddess_45, Stigma_45, TunaTartare_44, Westy_45,

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

-

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

- BillNye_40, Chaewon_44, Circinus_42, Muntaha_41, Wakanda_41,

Summary by start number:

Start 3:

- Found in 3 of 31 (9.7%) of genes in pham
- Manual Annotations of this start: 2 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BillNye_40 (BK2), Chaewon_44 (BK2), Circinus_42 (BK2),

Start 4:

- Found in 2 of 31 (6.5%) of genes in pham
- Manual Annotations of this start: 2 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Muntaha_41 (BK2), Wakanda_41 (BK2),

Start 5:

- Found in 26 of 31 (83.9%) of genes in pham
- Manual Annotations of this start: 24 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_42 (BK1), Belfort_46 (BK1), Beuffert_43 (BK1), Blueeyedbeauty_44 (BK1), Comrade_45 (BK1), DeluluLabubu_44 (BK1), Emma1919_46 (BK1), Faust_45 (BK1), Forrest_46 (BK1), Francob_44 (BK1), Gilson_46 (BK1), Jada_44 (BK1), Karp_44 (BK1), Kenrey_46 (BK1), Limpid_42 (BK1), Maupel_45 (BK1), MeganTheeKilla_44 (BK1), Moab_45 (BK1), Patelgo_45 (BK1), Phredrick_44 (BK1), SeresaTree_44 (BK1), Sham_42 (BK1), SparkleGoddess_45 (BK1), Stigma_45 (BK1), TunaTartare_44 (BK1), Westy_45 (BK1),

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 24 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 3 was manually annotated 2 times for cluster BK2.
- Start number 4 was manually annotated 2 times for cluster BK2.

Gene Information:

Gene: Annadreamy_42 Start: 39776, Stop: 40009, Start Num: 5

Candidate Starts for Annadreamy_42:

(1, 39731), (Start: 5 @39776 has 24 MA's), (7, 39794), (9, 39890), (17, 39983),

Gene: Belfort_46 Start: 42270, Stop: 42518, Start Num: 5

Candidate Starts for Belfort_46:

(Start: 5 @42270 has 24 MA's), (6, 42279), (7, 42288), (9, 42384), (14, 42471), (17, 42501),

Gene: Beuffert_43 Start: 40896, Stop: 41150, Start Num: 5

Candidate Starts for Beuffert_43:

(Start: 5 @40896 has 24 MA's), (7, 40914), (9, 41010), (13, 41073), (17, 41124),

Gene: BillNye_40 Start: 43185, Stop: 43391, Start Num: 3

Candidate Starts for BillNye_40:

(Start: 3 @43185 has 2 MA's), (9, 43305), (10, 43317),

Gene: Blueeyedbeauty_44 Start: 40288, Stop: 40521, Start Num: 5

Candidate Starts for Blueeyedbeauty_44:

(1, 40243), (Start: 5 @40288 has 24 MA's), (7, 40306), (17, 40495),

Gene: Chaewon_44 Start: 43322, Stop: 43528, Start Num: 3

Candidate Starts for Chaewon_44:

(Start: 3 @43322 has 2 MA's), (9, 43442), (11, 43475),

Gene: Circinus_42 Start: 43324, Stop: 43530, Start Num: 3

Candidate Starts for Circinus_42:

(Start: 3 @43324 has 2 MA's), (9, 43444), (10, 43456),

Gene: Comrade_45 Start: 41885, Stop: 42133, Start Num: 5

Candidate Starts for Comrade_45:

(Start: 5 @41885 has 24 MA's), (6, 41894), (7, 41903), (9, 41999), (14, 42086), (17, 42116),

Gene: DeluluLabubu_44 Start: 40022, Stop: 40249, Start Num: 5

Candidate Starts for DeluluLabubu_44:

(2, 39980), (Start: 5 @40022 has 24 MA's), (16, 40223),

Gene: Emma1919_46 Start: 40705, Stop: 40932, Start Num: 5

Candidate Starts for Emma1919_46:

(2, 40663), (Start: 5 @40705 has 24 MA's), (9, 40819), (16, 40906),

Gene: Faust_45 Start: 41234, Stop: 41452, Start Num: 5

Candidate Starts for Faust_45:

(Start: 5 @41234 has 24 MA's), (7, 41252), (8, 41297), (9, 41348), (12, 41393), (15, 41426),

Gene: Forrest_46 Start: 40840, Stop: 41067, Start Num: 5

Candidate Starts for Forrest_46:

(2, 40798), (Start: 5 @40840 has 24 MA's), (16, 41041),

Gene: Francob_44 Start: 40787, Stop: 41002, Start Num: 5

Candidate Starts for Francob_44:

(Start: 5 @40787 has 24 MA's), (8, 40850), (9, 40901), (16, 40976),

Gene: Gilson_46 Start: 40658, Stop: 40885, Start Num: 5

Candidate Starts for Gilson_46:

(2, 40616), (Start: 5 @40658 has 24 MA's), (9, 40772), (16, 40859),

Gene: Jada_44 Start: 40022, Stop: 40249, Start Num: 5

Candidate Starts for Jada_44:

(2, 39980), (Start: 5 @40022 has 24 MA's), (16, 40223),

Gene: Karp_44 Start: 41485, Stop: 41733, Start Num: 5

Candidate Starts for Karp_44:

(Start: 5 @41485 has 24 MA's), (6, 41494), (7, 41503), (9, 41599), (14, 41686), (17, 41716),

Gene: Kenrey_46 Start: 40850, Stop: 41077, Start Num: 5

Candidate Starts for Kenrey_46:

(1, 40802), (Start: 5 @40850 has 24 MA's), (9, 40964), (16, 41051),

Gene: Limpid_42 Start: 39775, Stop: 40008, Start Num: 5

Candidate Starts for Limpid_42:

(1, 39730), (Start: 5 @39775 has 24 MA's), (7, 39793), (9, 39889), (17, 39982),

Gene: Maupel_45 Start: 40658, Stop: 40885, Start Num: 5

Candidate Starts for Maupel_45:

(2, 40616), (Start: 5 @40658 has 24 MA's), (9, 40772), (16, 40859),

Gene: MeganTheeKilla_44 Start: 40019, Stop: 40246, Start Num: 5

Candidate Starts for MeganTheeKilla_44:

(2, 39977), (Start: 5 @40019 has 24 MA's), (9, 40133), (16, 40220),

Gene: Moab_45 Start: 41874, Stop: 42110, Start Num: 5

Candidate Starts for Moab_45:

(Start: 5 @41874 has 24 MA's), (9, 41988), (17, 42093),

Gene: Muntaha_41 Start: 41616, Stop: 41807, Start Num: 4

Candidate Starts for Muntaha_41:

(Start: 4 @41616 has 2 MA's), (9, 41733),

Gene: Patelgo_45 Start: 42061, Stop: 42297, Start Num: 5

Candidate Starts for Patelgo_45:

(Start: 5 @42061 has 24 MA's), (9, 42175), (17, 42280),

Gene: Phredrick_44 Start: 39921, Stop: 40148, Start Num: 5

Candidate Starts for Phredrick_44:

(1, 39873), (Start: 5 @39921 has 24 MA's), (9, 40035), (16, 40122),

Gene: SeresaTree_44 Start: 40624, Stop: 40842, Start Num: 5

Candidate Starts for SeresaTree_44:

(Start: 5 @40624 has 24 MA's), (7, 40642), (8, 40687), (9, 40738), (12, 40783), (15, 40816),

Gene: Sham_42 Start: 41761, Stop: 41997, Start Num: 5

Candidate Starts for Sham_42:

(Start: 5 @41761 has 24 MA's), (7, 41779), (13, 41929), (17, 41980),

Gene: SparkleGoddess_45 Start: 41887, Stop: 42135, Start Num: 5

Candidate Starts for SparkleGoddess_45:

(Start: 5 @41887 has 24 MA's), (6, 41896), (7, 41905), (9, 42001), (14, 42088), (17, 42118),

Gene: Stigma_45 Start: 41900, Stop: 42148, Start Num: 5

Candidate Starts for Stigma_45:

(Start: 5 @41900 has 24 MA's), (6, 41909), (7, 41918), (9, 42014), (14, 42101), (17, 42131),

Gene: TunaTartare_44 Start: 42059, Stop: 42295, Start Num: 5

Candidate Starts for TunaTartare_44:

(Start: 5 @42059 has 24 MA's), (7, 42077), (9, 42173), (13, 42227), (17, 42278),

Gene: Wakanda_41 Start: 41554, Stop: 41745, Start Num: 4

Candidate Starts for Wakanda_41:

(Start: 4 @41554 has 2 MA's), (9, 41671),

Gene: Westy_45 Start: 41888, Stop: 42136, Start Num: 5

Candidate Starts for Westy_45:

(Start: 5 @41888 has 24 MA's), (6, 41897), (7, 41906), (9, 42002), (14, 42089), (17, 42119),