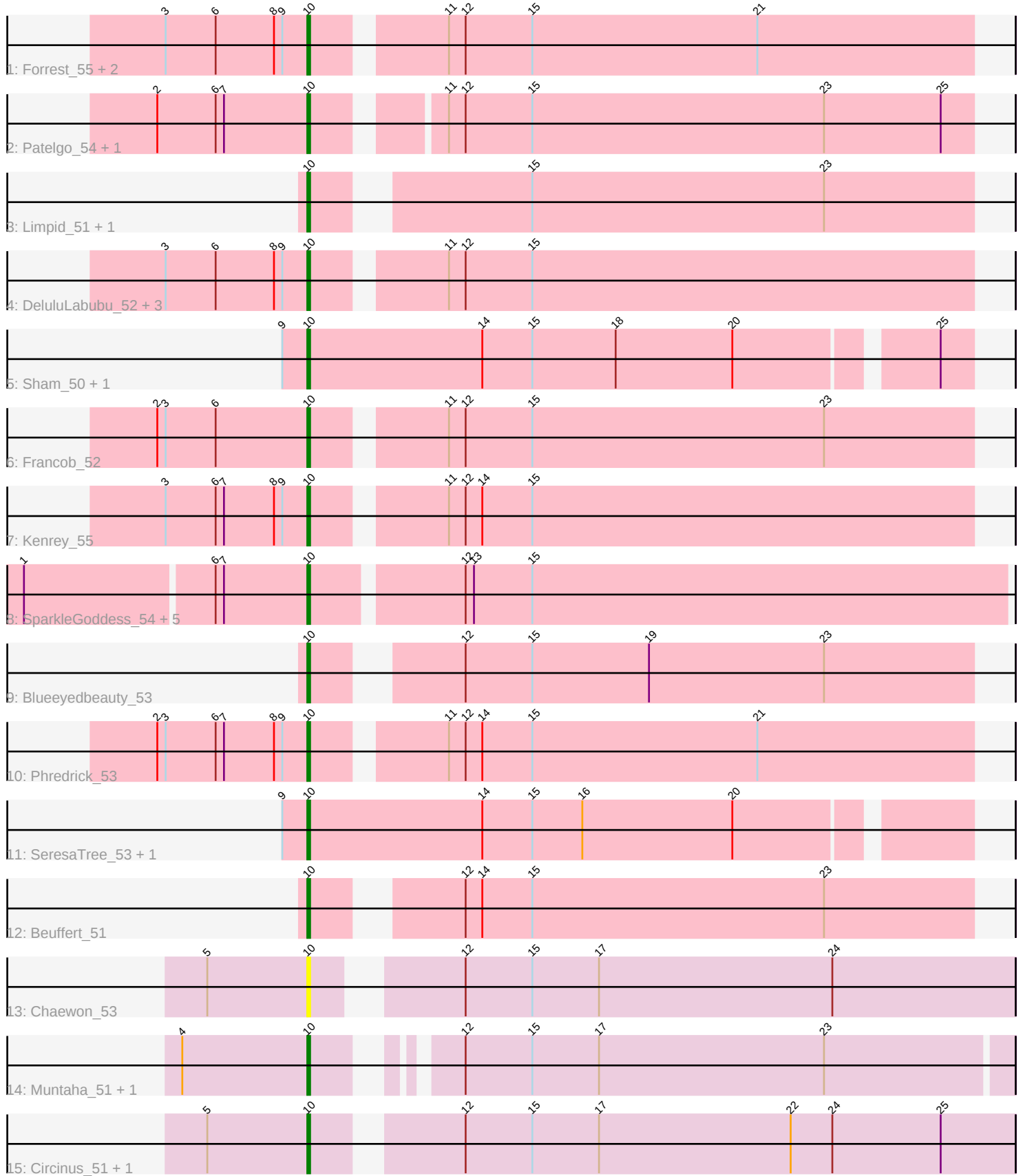


Pham 280706



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 280706 Report

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

Pham number 280706 has 31 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Forrest_55, MeganTheeKilla_52, Jada_53
- Track 2 : Patelgo_54, Moab_54
- Track 3 : Limpid_51, Annadreamy_51
- Track 4 : DeluluLabubu_52, Gilson_54, Emma1919_55, Maupel_53
- Track 5 : Sham_50, TunaTartare_52
- Track 6 : Francob_52
- Track 7 : Kenrey_55
- Track 8 : SparkleGoddess_54, Westy_54, Belfort_55, Stigma_53, Karp_52, Comrade_54
- Track 9 : Blueeyedbeauty_53
- Track 10 : Phredrick_53
- Track 11 : SeresaTree_53, Faust_54
- Track 12 : Beuffert_51
- Track 13 : Chaewon_53
- Track 14 : Muntaha_51, Wakanda_50
- Track 15 : Circinus_51, BillNye_50

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 27 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_51, Belfort_55, Beuffert_51, BillNye_50, Blueeyedbeauty_53, Chaewon_53, Circinus_51, Comrade_54, DeluluLabubu_52, Emma1919_55, Faust_54, Forrest_55, Francob_52, Gilson_54, Jada_53, Karp_52, Kenrey_55, Limpid_51, Maupel_53, MeganTheeKilla_52, Moab_54, Muntaha_51, Patelgo_54, Phredrick_53, SeresaTree_53, Sham_50, SparkleGoddess_54, Stigma_53, TunaTartare_52, Wakanda_50, Westy_54,

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

-

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

-

Summary by start number:

Start 10:

- Found in 31 of 31 (100.0%) of genes in pham
- Manual Annotations of this start: 27 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_51 (BK1), Belfort_55 (BK1), Beuffert_51 (BK1), BillNye_50 (BK2), Blueeyedbeauty_53 (BK1), Chaewon_53 (BK2), Circinus_51 (BK2), Comrade_54 (BK1), DeluluLabubu_52 (BK1), Emma1919_55 (BK1), Faust_54 (BK1), Forrest_55 (BK1), Francob_52 (BK1), Gilson_54 (BK1), Jada_53 (BK1), Karp_52 (BK1), Kenrey_55 (BK1), Limpid_51 (BK1), Maupel_53 (BK1), MeganTheeKilla_52 (BK1), Moab_54 (BK1), Muntaha_51 (BK2), Patelgo_54 (BK1), Phredrick_53 (BK1), SeresaTree_53 (BK1), Sham_50 (BK1), SparkleGoddess_54 (BK1), Stigma_53 (BK1), TunaTartare_52 (BK1), Wakanda_50 (BK2), Westy_54 (BK1),

Summary by clusters:

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

Info for manual annotations of cluster BK1:

- Start number 10 was manually annotated 23 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 10 was manually annotated 4 times for cluster BK2.

Gene Information:

Gene: Annadreamy_51 Start: 43372, Stop: 43596, Start Num: 10

Candidate Starts for Annadreamy_51:

(Start: 10 @43372 has 27 MA's), (15, 43438), (23, 43543),

Gene: Belfort_55 Start: 45887, Stop: 46132, Start Num: 10

Candidate Starts for Belfort_55:

(1, 45788), (6, 45854), (7, 45857), (Start: 10 @45887 has 27 MA's), (12, 45938), (13, 45941), (15, 45962),

Gene: Beuffert_51 Start: 44510, Stop: 44734, Start Num: 10

Candidate Starts for Beuffert_51:

(Start: 10 @44510 has 27 MA's), (12, 44552), (14, 44558), (15, 44576), (23, 44681),

Gene: BillNye_50 Start: 47336, Stop: 47578, Start Num: 10

Candidate Starts for BillNye_50:

(5, 47300), (Start: 10 @47336 has 27 MA's), (12, 47381), (15, 47405), (17, 47429), (22, 47498), (24, 47513), (25, 47552),

Gene: Blueeyedbeauty_53 Start: 43884, Stop: 44108, Start Num: 10

Candidate Starts for Blueeyedbeauty_53:

(Start: 10 @43884 has 27 MA's), (12, 43926), (15, 43950), (19, 43992), (23, 44055),

Gene: Chaewon_53 Start: 47476, Stop: 47715, Start Num: 10

Candidate Starts for Chaewon_53:

(5, 47440), (Start: 10 @47476 has 27 MA's), (12, 47518), (15, 47542), (17, 47566), (24, 47650),

Gene: Circinus_51 Start: 47475, Stop: 47717, Start Num: 10

Candidate Starts for Circinus_51:

(5, 47439), (Start: 10 @47475 has 27 MA's), (12, 47520), (15, 47544), (17, 47568), (22, 47637), (24, 47652), (25, 47691),

Gene: Comrade_54 Start: 45503, Stop: 45748, Start Num: 10

Candidate Starts for Comrade_54:

(1, 45404), (6, 45470), (7, 45473), (Start: 10 @45503 has 27 MA's), (12, 45554), (13, 45557), (15, 45578),

Gene: DeluluLabubu_52 Start: 43617, Stop: 43847, Start Num: 10

Candidate Starts for DeluluLabubu_52:

(3, 43566), (6, 43584), (8, 43605), (9, 43608), (Start: 10 @43617 has 27 MA's), (11, 43659), (12, 43665), (15, 43689),

Gene: Emma1919_55 Start: 44300, Stop: 44530, Start Num: 10

Candidate Starts for Emma1919_55:

(3, 44249), (6, 44267), (8, 44288), (9, 44291), (Start: 10 @44300 has 27 MA's), (11, 44342), (12, 44348), (15, 44372),

Gene: Faust_54 Start: 45437, Stop: 45667, Start Num: 10

Candidate Starts for Faust_54:

(9, 45428), (Start: 10 @45437 has 27 MA's), (14, 45500), (15, 45518), (16, 45536), (20, 45590),

Gene: Forrest_55 Start: 44997, Stop: 45227, Start Num: 10

Candidate Starts for Forrest_55:

(3, 44946), (6, 44964), (8, 44985), (9, 44988), (Start: 10 @44997 has 27 MA's), (11, 45039), (12, 45045), (15, 45069), (21, 45150),

Gene: Francob_52 Start: 44361, Stop: 44591, Start Num: 10

Candidate Starts for Francob_52:

(2, 44307), (3, 44310), (6, 44328), (Start: 10 @44361 has 27 MA's), (11, 44403), (12, 44409), (15, 44433), (23, 44538),

Gene: Gilson_54 Start: 44253, Stop: 44483, Start Num: 10

Candidate Starts for Gilson_54:

(3, 44202), (6, 44220), (8, 44241), (9, 44244), (Start: 10 @44253 has 27 MA's), (11, 44295), (12, 44301), (15, 44325),

Gene: Jada_53 Start: 44179, Stop: 44409, Start Num: 10

Candidate Starts for Jada_53:

(3, 44128), (6, 44146), (8, 44167), (9, 44170), (Start: 10 @44179 has 27 MA's), (11, 44221), (12, 44227), (15, 44251), (21, 44332),

Gene: Karp_52 Start: 45102, Stop: 45347, Start Num: 10

Candidate Starts for Karp_52:

(1, 45003), (6, 45069), (7, 45072), (Start: 10 @45102 has 27 MA's), (12, 45153), (13, 45156), (15, 45177),

Gene: Kenrey_55 Start: 44448, Stop: 44678, Start Num: 10

Candidate Starts for Kenrey_55:

(3, 44397), (6, 44415), (7, 44418), (8, 44436), (9, 44439), (Start: 10 @44448 has 27 MA's), (11, 44490), (12, 44496), (14, 44502), (15, 44520),

Gene: Limpid_51 Start: 43371, Stop: 43595, Start Num: 10

Candidate Starts for Limpid_51:

(Start: 10 @43371 has 27 MA's), (15, 43437), (23, 43542),

Gene: MaupeI_53 Start: 44253, Stop: 44483, Start Num: 10

Candidate Starts for MaupeI_53:

(3, 44202), (6, 44220), (8, 44241), (9, 44244), (Start: 10 @44253 has 27 MA's), (11, 44295), (12, 44301), (15, 44325),

Gene: MeganTheeKilla_52 Start: 43614, Stop: 43844, Start Num: 10

Candidate Starts for MeganTheeKilla_52:

(3, 43563), (6, 43581), (8, 43602), (9, 43605), (Start: 10 @43614 has 27 MA's), (11, 43656), (12, 43662), (15, 43686), (21, 43767),

Gene: Moab_54 Start: 45473, Stop: 45700, Start Num: 10

Candidate Starts for Moab_54:

(2, 45419), (6, 45440), (7, 45443), (Start: 10 @45473 has 27 MA's), (11, 45512), (12, 45518), (15, 45542), (23, 45647), (25, 45689),

Gene: Muntaha_51 Start: 45723, Stop: 45953, Start Num: 10

Candidate Starts for Muntaha_51:

(4, 45678), (Start: 10 @45723 has 27 MA's), (12, 45759), (15, 45783), (17, 45807), (23, 45888),

Gene: Patelgo_54 Start: 45660, Stop: 45887, Start Num: 10

Candidate Starts for Patelgo_54:

(2, 45606), (6, 45627), (7, 45630), (Start: 10 @45660 has 27 MA's), (11, 45699), (12, 45705), (15, 45729), (23, 45834), (25, 45876),

Gene: Phredrick_53 Start: 43519, Stop: 43749, Start Num: 10

Candidate Starts for Phredrick_53:

(2, 43465), (3, 43468), (6, 43486), (7, 43489), (8, 43507), (9, 43510), (Start: 10 @43519 has 27 MA's), (11, 43561), (12, 43567), (14, 43573), (15, 43591), (21, 43672),

Gene: SeresaTree_53 Start: 44827, Stop: 45057, Start Num: 10

Candidate Starts for SeresaTree_53:

(9, 44818), (Start: 10 @44827 has 27 MA's), (14, 44890), (15, 44908), (16, 44926), (20, 44980),

Gene: Sham_50 Start: 45368, Stop: 45598, Start Num: 10

Candidate Starts for Sham_50:

(9, 45359), (Start: 10 @45368 has 27 MA's), (14, 45431), (15, 45449), (18, 45479), (20, 45521), (25, 45587),

Gene: SparkleGoddess_54 Start: 45504, Stop: 45749, Start Num: 10

Candidate Starts for SparkleGoddess_54:

(1, 45405), (6, 45471), (7, 45474), (Start: 10 @45504 has 27 MA's), (12, 45555), (13, 45558), (15, 45579),

Gene: Stigma_53 Start: 45518, Stop: 45763, Start Num: 10

Candidate Starts for Stigma_53:

(1, 45419), (6, 45485), (7, 45488), (Start: 10 @45518 has 27 MA's), (12, 45569), (13, 45572), (15, 45593),

Gene: TunaTartare_52 Start: 45671, Stop: 45901, Start Num: 10

Candidate Starts for TunaTartare_52:

(9, 45662), (Start: 10 @45671 has 27 MA's), (14, 45734), (15, 45752), (18, 45782), (20, 45824), (25, 45890),

Gene: Wakanda_50 Start: 45660, Stop: 45890, Start Num: 10

Candidate Starts for Wakanda_50:

(4, 45615), (Start: 10 @45660 has 27 MA's), (12, 45696), (15, 45720), (17, 45744), (23, 45825),

Gene: Westy_54 Start: 45505, Stop: 45750, Start Num: 10

Candidate Starts for Westy_54:

(1, 45406), (6, 45472), (7, 45475), (Start: 10 @45505 has 27 MA's), (12, 45556), (13, 45559), (15, 45580),