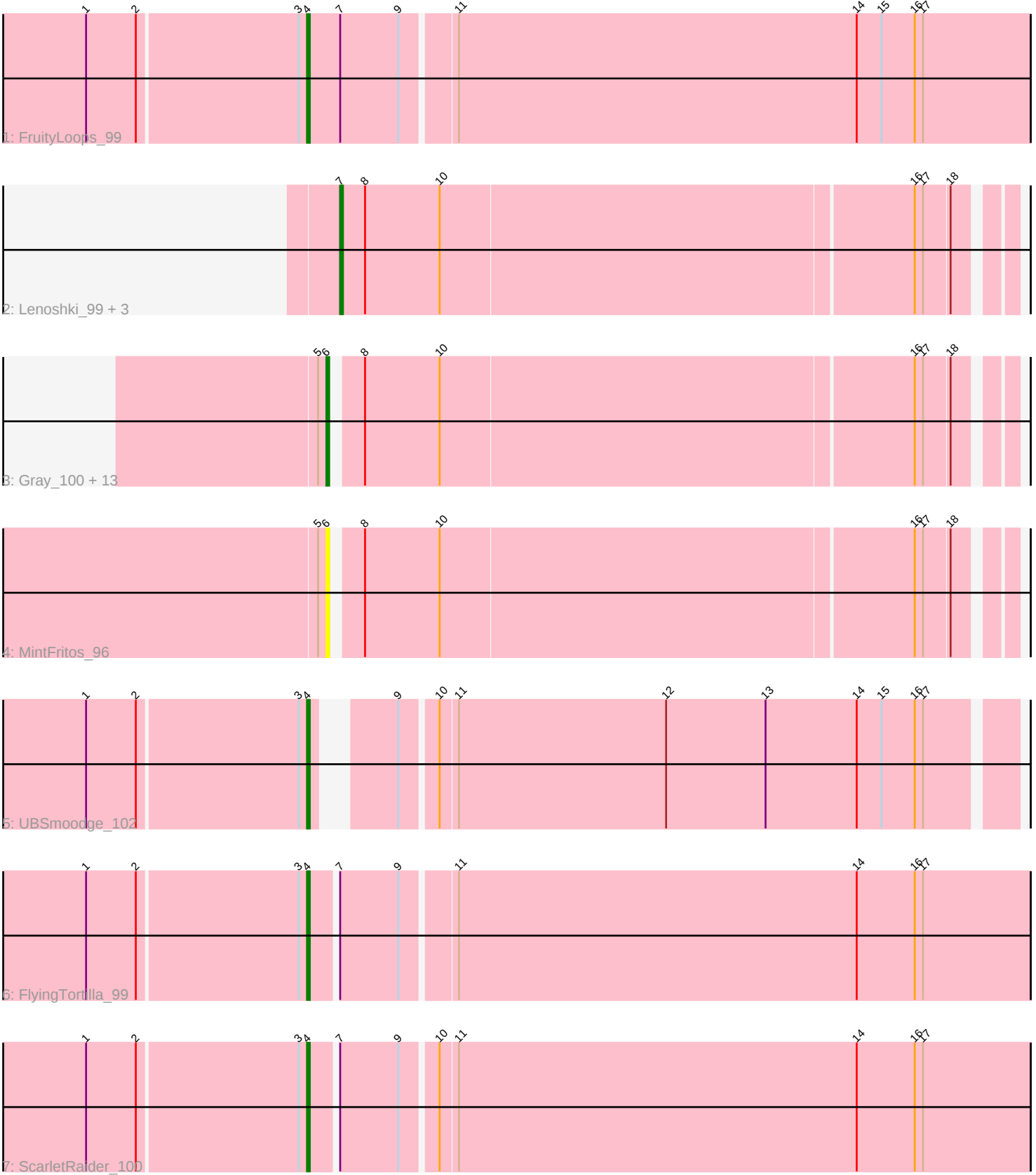


Pham 323629



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 323629 Report

This analysis was run 09/05/26 on database version 662.

Pham number 323629 has 23 members, 9 are drafts.

Phages represented in each track:

- Track 1 : FruityLoops_99
- Track 2 : Lenoshki_99, Oogie_101, Farrylious_99, Beted_99
- Track 3 : Gray_100, Amoonguss_97, Pakusa_95, Chidiebere_100, Schomber_98, Alok_99, Toneprano_97, EmoNemo_94, Argena_98, Twin_94, Kabocha_101, ChisanaKitsune_98, Mikronejon_100, Hanem_99
- Track 4 : MintFritos_96
- Track 5 : UBSmoodge_102
- Track 6 : FlyingTortilla_99
- Track 7 : ScarletRaider_100

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

The start number called the most often in the published annotations is 6, it was called in 8 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alok_99, Amoonguss_97, Argena_98, Chidiebere_100, ChisanaKitsune_98, EmoNemo_94, Gray_100, Hanem_99, Kabocha_101, Mikronejon_100, MintFritos_96, Pakusa_95, Schomber_98, Toneprano_97, Twin_94,

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

-

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

- Beted_99, Farrylious_99, FlyingTortilla_99, FruityLoops_99, Lenoshki_99, Oogie_101, ScarletRaider_100, UBSmoodge_102,

Summary by start number:

Start 4:

- Found in 4 of 23 (17.4%) of genes in pham
- Manual Annotations of this start: 4 of 14
- Called 100.0% of time when present

- Phage (with cluster) where this start called: FlyingTortilla_99 (DQ), FruityLoops_99 (DQ), ScarletRaider_100 (DQ), UBSmoodge_102 (DQ),

Start 6:

- Found in 15 of 23 (65.2%) of genes in pham
- Manual Annotations of this start: 8 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alok_99 (DQ), Amoonguss_97 (DQ), Argena_98 (DQ), Chidiebere_100 (DQ), ChisanaKitsune_98 (DQ), EmoNemo_94 (DQ), Gray_100 (DQ), Hanem_99 (DQ), Kabocha_101 (DQ), Mikronejon_100 (DQ), MintFritos_96 (DQ), Pakusa_95 (DQ), Schomber_98 (DQ), Toneprano_97 (DQ), Twin_94 (DQ),

Start 7:

- Found in 7 of 23 (30.4%) of genes in pham
- Manual Annotations of this start: 2 of 14
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Beted_99 (DQ), Farrylous_99 (DQ), Lenoshki_99 (DQ), Oogie_101 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 4 was manually annotated 4 times for cluster DQ.
- Start number 6 was manually annotated 8 times for cluster DQ.
- Start number 7 was manually annotated 2 times for cluster DQ.

Gene Information:

Gene: Alok_99 Start: 73031, Stop: 73264, Start Num: 6

Candidate Starts for Alok_99:

(5, 73028), (Start: 6 @73031 has 8 MA's), (8, 73040), (10, 73067), (16, 73235), (17, 73238), (18, 73247),

Gene: Amoonguss_97 Start: 72986, Stop: 73219, Start Num: 6

Candidate Starts for Amoonguss_97:

(5, 72983), (Start: 6 @72986 has 8 MA's), (8, 72995), (10, 73022), (16, 73190), (17, 73193), (18, 73202),

Gene: Argena_98 Start: 73402, Stop: 73635, Start Num: 6

Candidate Starts for Argena_98:

(5, 73399), (Start: 6 @73402 has 8 MA's), (8, 73411), (10, 73438), (16, 73606), (17, 73609), (18, 73618),

Gene: Beted_99 Start: 74919, Stop: 75152, Start Num: 7

Candidate Starts for Beted_99:

(Start: 7 @74919 has 2 MA's), (8, 74928), (10, 74955), (16, 75123), (17, 75126), (18, 75135),

Gene: Chidiebere_100 Start: 73681, Stop: 73914, Start Num: 6

Candidate Starts for Chidiebere_100:

(5, 73678), (Start: 6 @73681 has 8 MA's), (8, 73690), (10, 73717), (16, 73885), (17, 73888), (18, 73897),

Gene: ChisanaKitsune_98 Start: 73029, Stop: 73262, Start Num: 6

Candidate Starts for ChisanaKitsune_98:

(5, 73026), (Start: 6 @73029 has 8 MA's), (8, 73038), (10, 73065), (16, 73233), (17, 73236), (18, 73245),

Gene: EmoNemo_94 Start: 73031, Stop: 73264, Start Num: 6

Candidate Starts for EmoNemo_94:

(5, 73028), (Start: 6 @73031 has 8 MA's), (8, 73040), (10, 73067), (16, 73235), (17, 73238), (18, 73247),

Gene: Farrylious_99 Start: 73169, Stop: 73402, Start Num: 7

Candidate Starts for Farrylious_99:

(Start: 7 @73169 has 2 MA's), (8, 73178), (10, 73205), (16, 73373), (17, 73376), (18, 73385),

Gene: FlyingTortilla_99 Start: 76973, Stop: 77227, Start Num: 4

Candidate Starts for FlyingTortilla_99:

(1, 76895), (2, 76913), (3, 76970), (Start: 4 @76973 has 4 MA's), (Start: 7 @76982 has 2 MA's), (9, 77003), (11, 77021), (14, 77165), (16, 77186), (17, 77189),

Gene: FruityLoops_99 Start: 76291, Stop: 76548, Start Num: 4

Candidate Starts for FruityLoops_99:

(1, 76213), (2, 76231), (3, 76288), (Start: 4 @76291 has 4 MA's), (Start: 7 @76303 has 2 MA's), (9, 76324), (11, 76342), (14, 76486), (15, 76495), (16, 76507), (17, 76510),

Gene: Gray_100 Start: 73292, Stop: 73525, Start Num: 6

Candidate Starts for Gray_100:

(5, 73289), (Start: 6 @73292 has 8 MA's), (8, 73301), (10, 73328), (16, 73496), (17, 73499), (18, 73508),

Gene: Hanem_99 Start: 73031, Stop: 73264, Start Num: 6

Candidate Starts for Hanem_99:

(5, 73028), (Start: 6 @73031 has 8 MA's), (8, 73040), (10, 73067), (16, 73235), (17, 73238), (18, 73247),

Gene: Kabocha_101 Start: 74494, Stop: 74727, Start Num: 6

Candidate Starts for Kabocha_101:

(5, 74491), (Start: 6 @74494 has 8 MA's), (8, 74503), (10, 74530), (16, 74698), (17, 74701), (18, 74710),

Gene: Lenoshki_99 Start: 74919, Stop: 75152, Start Num: 7

Candidate Starts for Lenoshki_99:

(Start: 7 @74919 has 2 MA's), (8, 74928), (10, 74955), (16, 75123), (17, 75126), (18, 75135),

Gene: Mikronejon_100 Start: 73031, Stop: 73264, Start Num: 6

Candidate Starts for Mikronejon_100:

(5, 73028), (Start: 6 @73031 has 8 MA's), (8, 73040), (10, 73067), (16, 73235), (17, 73238), (18, 73247),

Gene: MintFritos_96 Start: 73319, Stop: 73552, Start Num: 6

Candidate Starts for MintFritos_96:

(5, 73316), (Start: 6 @73319 has 8 MA's), (8, 73328), (10, 73355), (16, 73523), (17, 73526), (18, 73535),

Gene: Oogie_101 Start: 74969, Stop: 75202, Start Num: 7

Candidate Starts for Oogie_101:

(Start: 7 @74969 has 2 MA's), (8, 74978), (10, 75005), (16, 75173), (17, 75176), (18, 75185),

Gene: Pakusa_95 Start: 72757, Stop: 72990, Start Num: 6

Candidate Starts for Pakusa_95:

(5, 72754), (Start: 6 @72757 has 8 MA's), (8, 72766), (10, 72793), (16, 72961), (17, 72964), (18, 72973),

Gene: ScarletRaider_100 Start: 76315, Stop: 76569, Start Num: 4

Candidate Starts for ScarletRaider_100:

(1, 76237), (2, 76255), (3, 76312), (Start: 4 @76315 has 4 MA's), (Start: 7 @76324 has 2 MA's), (9, 76345), (10, 76357), (11, 76363), (14, 76507), (16, 76528), (17, 76531),

Gene: Schomber_98 Start: 72882, Stop: 73115, Start Num: 6

Candidate Starts for Schomber_98:

(5, 72879), (Start: 6 @72882 has 8 MA's), (8, 72891), (10, 72918), (16, 73086), (17, 73089), (18, 73098),

Gene: Toneprano_97 Start: 73000, Stop: 73233, Start Num: 6

Candidate Starts for Toneprano_97:

(5, 72997), (Start: 6 @73000 has 8 MA's), (8, 73009), (10, 73036), (16, 73204), (17, 73207), (18, 73216),

Gene: Twin_94 Start: 73030, Stop: 73263, Start Num: 6

Candidate Starts for Twin_94:

(5, 73027), (Start: 6 @73030 has 8 MA's), (8, 73039), (10, 73066), (16, 73234), (17, 73237), (18, 73246),

Gene: UBSmoodge_102 Start: 76774, Stop: 77010, Start Num: 4

Candidate Starts for UBSmoodge_102:

(1, 76696), (2, 76714), (3, 76771), (Start: 4 @76774 has 4 MA's), (9, 76795), (10, 76807), (11, 76813), (12, 76888), (13, 76924), (14, 76957), (15, 76966), (16, 76978), (17, 76981),