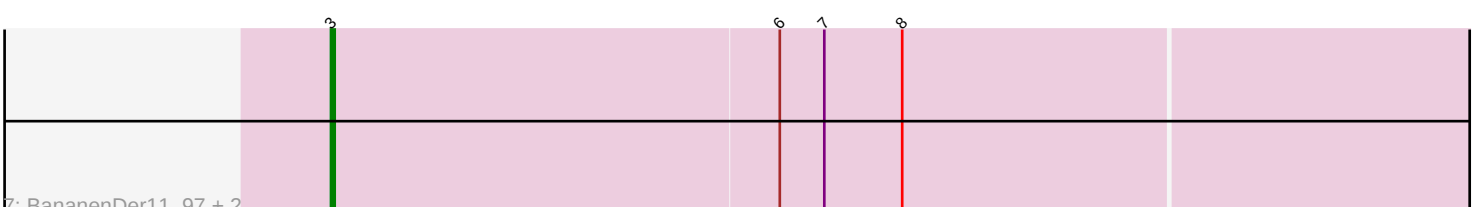
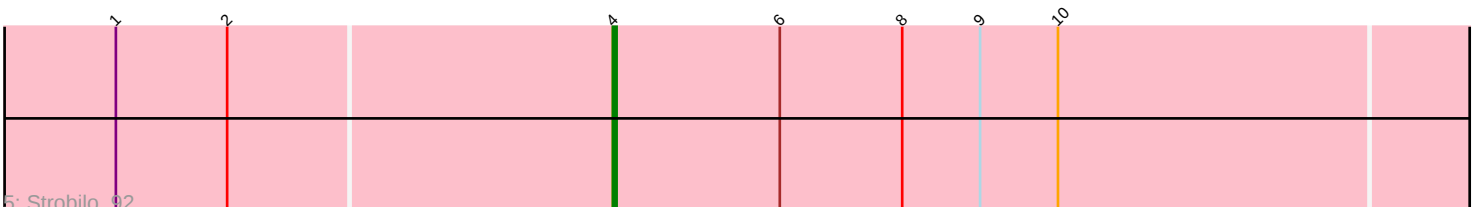
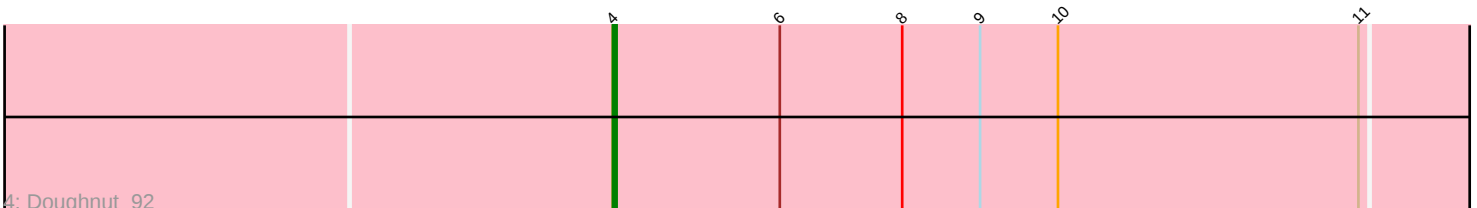
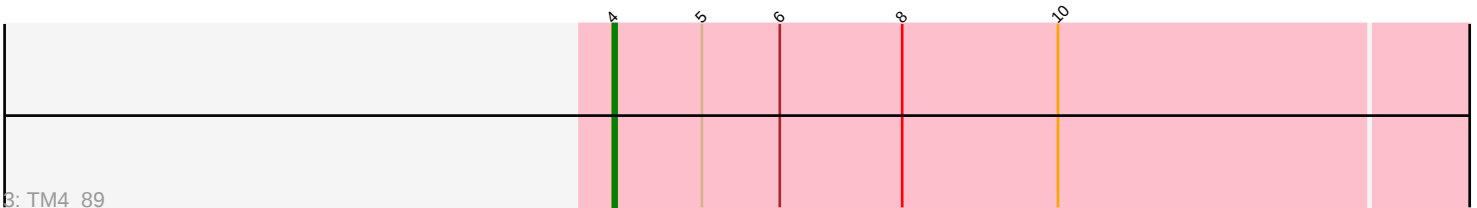
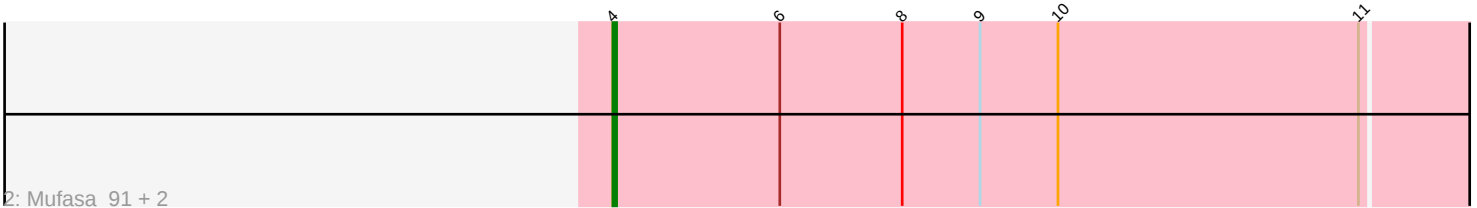


Pham 309432



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 309432 Report

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

Pham number 309432 has 17 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Marcoliusprime_89, DismalFunk_91, Milly_91, DismalStressor_91, Findley_91
- Track 2 : Mufasa_91, ZoeJ_89, BoostSeason_91
- Track 3 : TM4_89
- Track 4 : Doughnut_92
- Track 5 : Strobilo_92
- Track 6 : AlleyCat_98, Dadosky_98, Psycho_96
- Track 7 : BananenDer11_97, LilDirt_97, Agent47_95

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

The start number called the most often in the published annotations is 4, it was called in 14 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlleyCat_98, BoostSeason_91, Dadosky_98, DismalFunk_91, DismalStressor_91, Doughnut_92, Findley_91, Marcoliusprime_89, Milly_91, Mufasa_91, Psycho_96, Strobilo_92, TM4_89, ZoeJ_89,

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

-

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

- Agent47_95, BananenDer11_97, LilDirt_97,

Summary by start number:

Start 3:

- Found in 3 of 17 (17.6%) of genes in pham
- Manual Annotations of this start: 3 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agent47_95 (K5), BananenDer11_97 (K5), LilDirt_97 (K5),

Start 4:

- Found in 14 of 17 (82.4%) of genes in pham
- Manual Annotations of this start: 14 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlleyCat_98 (K5), BoostSeason_91 (K2), Dadosky_98 (K5), DismalFunk_91 (K2), DismalStressor_91 (K2), Doughnut_92 (K2), Findley_91 (K2), Marcoliusprime_89 (K2), Milly_91 (K2), Mufasa_91 (K2), Psycho_96 (K5), Strobilo_92 (K2), TM4_89 (K2), ZoeJ_89 (K2),

Summary by clusters:

There are 2 clusters represented in this pham: K2, K5,

Info for manual annotations of cluster K2:

- Start number 4 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K5:

- Start number 3 was manually annotated 3 times for cluster K5.
- Start number 4 was manually annotated 3 times for cluster K5.

Gene Information:

Gene: Agent47_95 Start: 60184, Stop: 60531, Start Num: 3

Candidate Starts for Agent47_95:

(Start: 3 @60184 has 3 MA's), (6, 60304), (7, 60316), (8, 60337),

Gene: AlleyCat_98 Start: 61228, Stop: 61500, Start Num: 4

Candidate Starts for AlleyCat_98:

(Start: 4 @61228 has 14 MA's), (6, 61273), (7, 61285), (8, 61306),

Gene: BananenDer11_97 Start: 60436, Stop: 60783, Start Num: 3

Candidate Starts for BananenDer11_97:

(Start: 3 @60436 has 3 MA's), (6, 60556), (7, 60568), (8, 60589),

Gene: BoostSeason_91 Start: 56917, Stop: 57153, Start Num: 4

Candidate Starts for BoostSeason_91:

(Start: 4 @56917 has 14 MA's), (6, 56962), (8, 56995), (9, 57016), (10, 57037), (11, 57118),

Gene: Dadosky_98 Start: 61229, Stop: 61501, Start Num: 4

Candidate Starts for Dadosky_98:

(Start: 4 @61229 has 14 MA's), (6, 61274), (7, 61286), (8, 61307),

Gene: DismalFunk_91 Start: 56965, Stop: 57201, Start Num: 4

Candidate Starts for DismalFunk_91:

(Start: 4 @56965 has 14 MA's), (6, 57010), (8, 57043), (9, 57064), (10, 57085),

Gene: DismalStressor_91 Start: 56965, Stop: 57201, Start Num: 4

Candidate Starts for DismalStressor_91:

(Start: 4 @56965 has 14 MA's), (6, 57010), (8, 57043), (9, 57064), (10, 57085),

Gene: Doughnut_92 Start: 57099, Stop: 57335, Start Num: 4

Candidate Starts for Doughnut_92:

(Start: 4 @57099 has 14 MA's), (6, 57144), (8, 57177), (9, 57198), (10, 57219), (11, 57300),

Gene: Findley_91 Start: 56984, Stop: 57220, Start Num: 4

Candidate Starts for Findley_91:

(Start: 4 @56984 has 14 MA's), (6, 57029), (8, 57062), (9, 57083), (10, 57104),

Gene: LilDirt_97 Start: 60237, Stop: 60584, Start Num: 3

Candidate Starts for LilDirt_97:

(Start: 3 @60237 has 3 MA's), (6, 60357), (7, 60369), (8, 60390),

Gene: Marcoliusprime_89 Start: 56965, Stop: 57201, Start Num: 4

Candidate Starts for Marcoliusprime_89:

(Start: 4 @56965 has 14 MA's), (6, 57010), (8, 57043), (9, 57064), (10, 57085),

Gene: Milly_91 Start: 57047, Stop: 57283, Start Num: 4

Candidate Starts for Milly_91:

(Start: 4 @57047 has 14 MA's), (6, 57092), (8, 57125), (9, 57146), (10, 57167),

Gene: Mufasa_91 Start: 56904, Stop: 57140, Start Num: 4

Candidate Starts for Mufasa_91:

(Start: 4 @56904 has 14 MA's), (6, 56949), (8, 56982), (9, 57003), (10, 57024), (11, 57105),

Gene: Psycho_96 Start: 61226, Stop: 61498, Start Num: 4

Candidate Starts for Psycho_96:

(Start: 4 @61226 has 14 MA's), (6, 61271), (7, 61283), (8, 61304),

Gene: Strobilo_92 Start: 56963, Stop: 57199, Start Num: 4

Candidate Starts for Strobilo_92:

(1, 56831), (2, 56861), (Start: 4 @56963 has 14 MA's), (6, 57008), (8, 57041), (9, 57062), (10, 57083),

Gene: TM4_89 Start: 51636, Stop: 51872, Start Num: 4

Candidate Starts for TM4_89:

(Start: 4 @51636 has 14 MA's), (5, 51660), (6, 51681), (8, 51714), (10, 51756),

Gene: ZoeJ_89 Start: 56156, Stop: 56392, Start Num: 4

Candidate Starts for ZoeJ_89:

(Start: 4 @56156 has 14 MA's), (6, 56201), (8, 56234), (9, 56255), (10, 56276), (11, 56357),