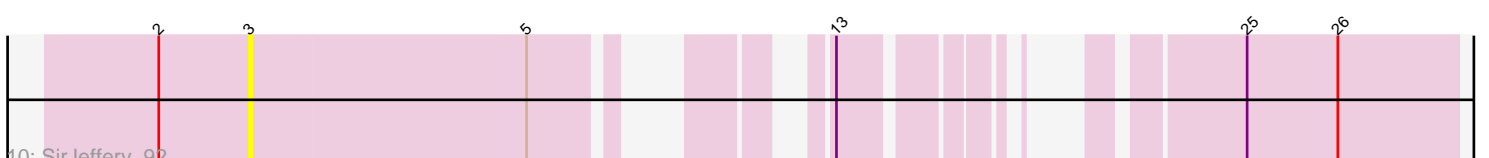
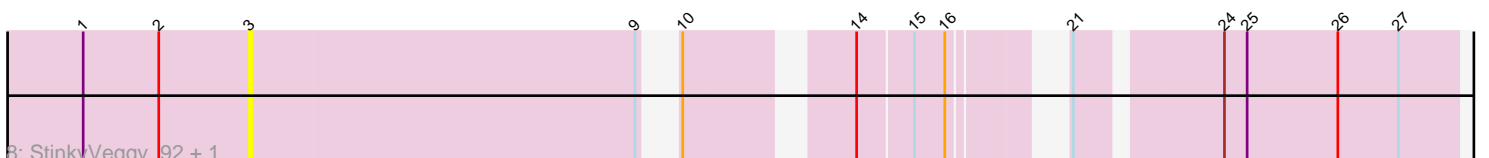
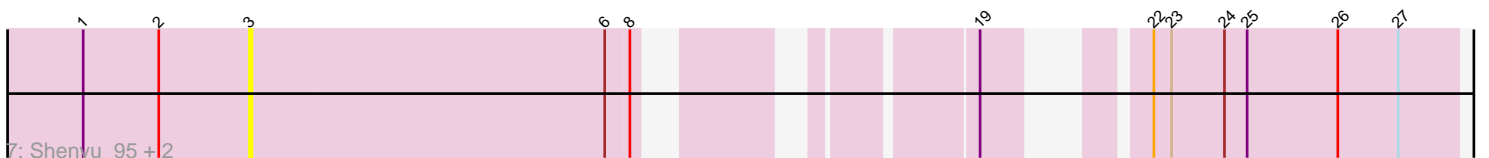
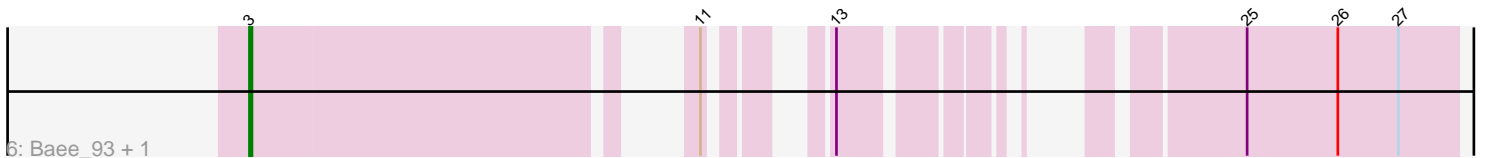
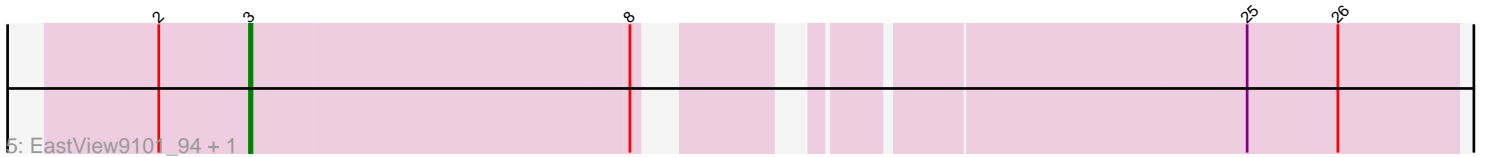
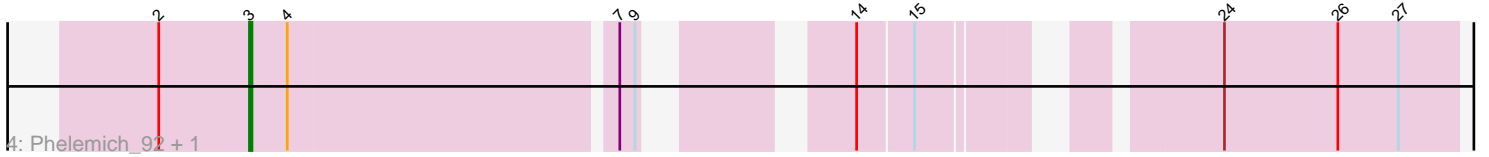
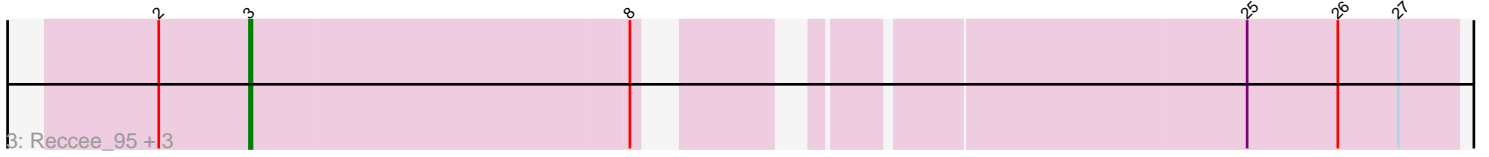
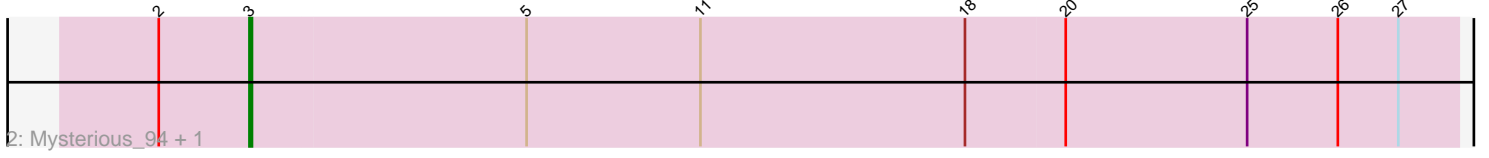
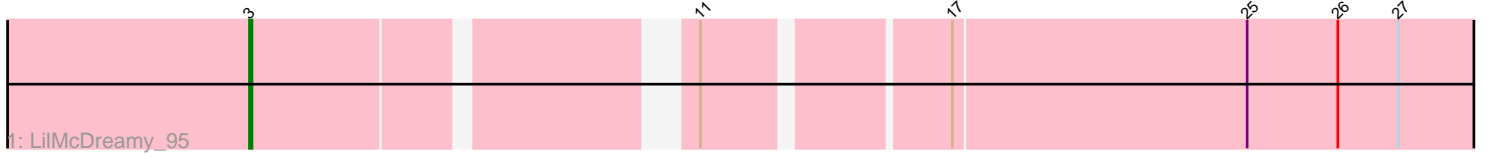


Pham 296976



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 296976 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296976 has 20 members, 9 are drafts.

Phages represented in each track:

- Track 1 : LilMcDreamy_95
- Track 2 : Mysterious_94, Nehemiah_94
- Track 3 : Reccee_95, Suigeneris_95, Acadian_94, Rita130_93
- Track 4 : Phelemich_92, Reprobate_94
- Track 5 : EastView9101_94, Donny_94
- Track 6 : Bae_93, Rich_92
- Track 7 : Shenyu_95, DigitDog_96, Nangang_95
- Track 8 : StinkyVeggy_92, KarasumaRum_92
- Track 9 : Serendipitous_95
- Track 10 : SirJeffery_92

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acadian_94, Bae_93, DigitDog_96, Donny_94, EastView9101_94, KarasumaRum_92, LilMcDreamy_95, Mysterious_94, Nangang_95, Nehemiah_94, Phelemich_92, Reccee_95, Reprobate_94, Rich_92, Rita130_93, Serendipitous_95, Shenyu_95, SirJeffery_92, StinkyVeggy_92, Suigeneris_95,

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 3:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Acadian_94 (B5), Bae_93 (B5), DigitDog_96 (B5), Donny_94 (B5), EastView9101_94 (B5), KarasumaRum_92 (B5), LilMcDreamy_95 (B12), Mysterious_94 (B5), Nangang_95 (B5), Nehemiah_94 (B5), Phelemich_92 (B5), Reccee_95 (B5), Reprobate_94 (B5), Rich_92 (B5), Rita130_93 (B5), Serendipitous_95 (B5), Shenyu_95 (B5), SirJeffery_92 (B5), StinkyVeggy_92 (B5), Suigeneris_95 (B5),

Summary by clusters:

There are 2 clusters represented in this pham: B5, B12,

Info for manual annotations of cluster B12:

- Start number 3 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B5:

- Start number 3 was manually annotated 10 times for cluster B5.

Gene Information:

Gene: Acadian_94 Start: 68448, Stop: 68014, Start Num: 3

Candidate Starts for Acadian_94:

(2, 68484), (Start: 3 @68448 has 11 MA's), (8, 68301), (25, 68097), (26, 68061), (27, 68037),

Gene: Bae_93 Start: 68886, Stop: 68524, Start Num: 3

Candidate Starts for Bae_93:

(Start: 3 @68886 has 11 MA's), (11, 68742), (13, 68715), (25, 68607), (26, 68571), (27, 68547),

Gene: DigitDog_96 Start: 68959, Stop: 68555, Start Num: 3

Candidate Starts for DigitDog_96:

(1, 69025), (2, 68995), (Start: 3 @68959 has 11 MA's), (6, 68821), (8, 68812), (19, 68713), (22, 68674), (23, 68668), (24, 68647), (25, 68638), (26, 68602), (27, 68578),

Gene: Donny_94 Start: 68275, Stop: 67841, Start Num: 3

Candidate Starts for Donny_94:

(2, 68311), (Start: 3 @68275 has 11 MA's), (8, 68128), (25, 67924), (26, 67888),

Gene: EastView9101_94 Start: 68467, Stop: 68033, Start Num: 3

Candidate Starts for EastView9101_94:

(2, 68503), (Start: 3 @68467 has 11 MA's), (8, 68320), (25, 68116), (26, 68080),

Gene: KarasumaRum_92 Start: 68235, Stop: 67822, Start Num: 3

Candidate Starts for KarasumaRum_92:

(1, 68301), (2, 68271), (Start: 3 @68235 has 11 MA's), (9, 68085), (10, 68082), (14, 68028), (15, 68007), (16, 67995), (21, 67965), (24, 67914), (25, 67905), (26, 67869), (27, 67845),

Gene: LilMcDreamy_95 Start: 70337, Stop: 69876, Start Num: 3

Candidate Starts for LilMcDreamy_95:

(Start: 3 @70337 has 11 MA's), (11, 70187), (17, 70100), (25, 69986), (26, 69950), (27, 69926),

Gene: Mysterious_94 Start: 69365, Stop: 68889, Start Num: 3

Candidate Starts for Mysterious_94:

(2, 69401), (Start: 3 @69365 has 11 MA's), (5, 69257), (11, 69188), (18, 69083), (20, 69044), (25, 68972), (26, 68936), (27, 68912),

Gene: Nangang_95 Start: 68855, Stop: 68451, Start Num: 3

Candidate Starts for Nangang_95:

(1, 68921), (2, 68891), (Start: 3 @68855 has 11 MA's), (6, 68717), (8, 68708), (19, 68609), (22, 68570), (23, 68564), (24, 68543), (25, 68534), (26, 68498), (27, 68474),

Gene: Nehemiah_94 Start: 69233, Stop: 68757, Start Num: 3

Candidate Starts for Nehemiah_94:

(2, 69269), (Start: 3 @69233 has 11 MA's), (5, 69125), (11, 69056), (18, 68951), (20, 68912), (25, 68840), (26, 68804), (27, 68780),

Gene: Phelemich_92 Start: 69193, Stop: 68786, Start Num: 3

Candidate Starts for Phelemich_92:

(2, 69229), (Start: 3 @69193 has 11 MA's), (4, 69178), (7, 69055), (9, 69049), (14, 68992), (15, 68971), (24, 68878), (26, 68833), (27, 68809),

Gene: Reccee_95 Start: 68718, Stop: 68284, Start Num: 3

Candidate Starts for Reccee_95:

(2, 68754), (Start: 3 @68718 has 11 MA's), (8, 68571), (25, 68367), (26, 68331), (27, 68307),

Gene: Reprobate_94 Start: 69198, Stop: 68791, Start Num: 3

Candidate Starts for Reprobate_94:

(2, 69234), (Start: 3 @69198 has 11 MA's), (4, 69183), (7, 69060), (9, 69054), (14, 68997), (15, 68976), (24, 68883), (26, 68838), (27, 68814),

Gene: Rich_92 Start: 68438, Stop: 68076, Start Num: 3

Candidate Starts for Rich_92:

(Start: 3 @68438 has 11 MA's), (11, 68294), (13, 68267), (25, 68159), (26, 68123), (27, 68099),

Gene: Rita130_93 Start: 68421, Stop: 67987, Start Num: 3

Candidate Starts for Rita130_93:

(2, 68457), (Start: 3 @68421 has 11 MA's), (8, 68274), (25, 68070), (26, 68034), (27, 68010),

Gene: Serendipitous_95 Start: 68448, Stop: 68020, Start Num: 3

Candidate Starts for Serendipitous_95:

(Start: 3 @68448 has 11 MA's), (12, 68292), (18, 68214), (20, 68175), (25, 68103), (26, 68067), (27, 68043),

Gene: Shenyu_95 Start: 68853, Stop: 68449, Start Num: 3

Candidate Starts for Shenyu_95:

(1, 68919), (2, 68889), (Start: 3 @68853 has 11 MA's), (6, 68715), (8, 68706), (19, 68607), (22, 68568), (23, 68562), (24, 68541), (25, 68532), (26, 68496), (27, 68472),

Gene: SirJeffery_92 Start: 68436, Stop: 68068, Start Num: 3

Candidate Starts for SirJeffery_92:

(2, 68472), (Start: 3 @68436 has 11 MA's), (5, 68328), (13, 68259), (25, 68151), (26, 68115),

Gene: StinkyVeggy_92 Start: 68235, Stop: 67822, Start Num: 3

Candidate Starts for StinkyVeggy_92:

(1, 68301), (2, 68271), (Start: 3 @68235 has 11 MA's), (9, 68085), (10, 68082), (14, 68028), (15, 68007), (16, 67995), (21, 67965), (24, 67914), (25, 67905), (26, 67869), (27, 67845),

Gene: Suigeneris_95 Start: 68663, Stop: 68229, Start Num: 3

Candidate Starts for Suigeneris_95:

(2, 68699), (Start: 3 @68663 has 11 MA's), (8, 68516), (25, 68312), (26, 68276), (27, 68252),