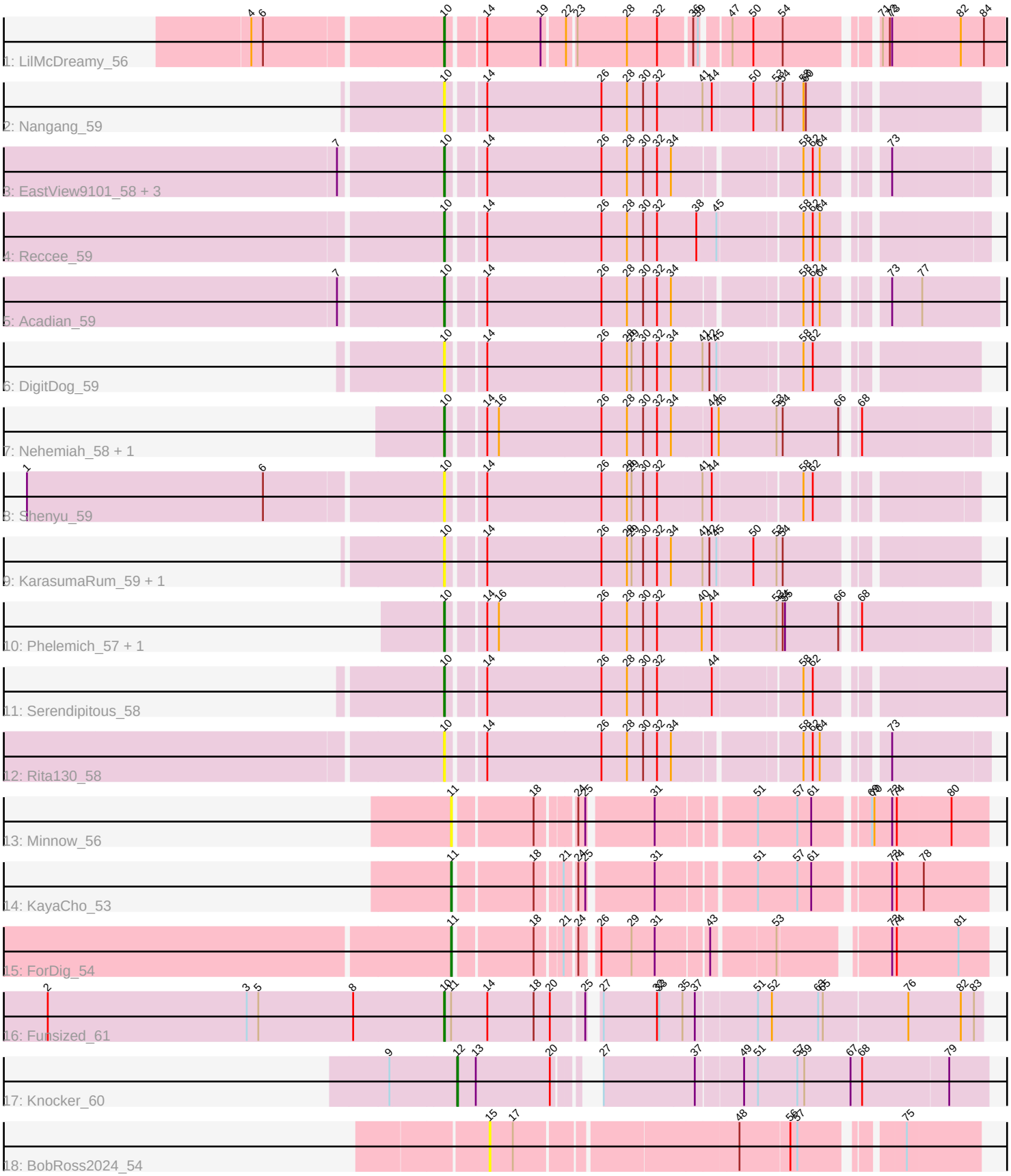
Pham 347973


1: LilMcDreamy_56
2: Nangang_59
3: EastView9101_58 + 3
4: Reccee_59
5: Acadian_59
6: DigitDog_59
7: Nehemiah_58 + 1
8: Shenyu_59
9: KarasumaRum_59 + 1
10: Phelemich_57 + 1
11: Serendipitous_58
12: Rita130_58
13: Minnow_56
14: KayaCho_53
15: ForDig_54
16: Funsized_61
17: Knocker_60
18: BobRoss2024_54

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 347973 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347973 has 24 members, 10 are drafts.

Phages represented in each track:
• Track 1 : LilMcDreamy_56
• Track 2 : Nangang_59
• Track 3 : EastView9101_58, Suigeneris_60, Donny_60, SirJeffery_58
• Track 4 : Reccee_59
• Track 5 : Acadian_59
• Track 6 : DigitDog_59
• Track 7 : Nehemiah_58, Mysterious_57
• Track 8 : Shenyu_59
• Track 9 : KarasumaRum_59, StinkyVeggy_59
• Track 10 : Phelemich_57, Reprobate_58
• Track 11 : Serendipitous_58
• Track 12 : Rita130_58
• Track 13 : Minnow_56
• Track 14 : KayaCho_53
• Track 15 : ForDig_54
• Track 16 : Funsized_61
• Track 17 : Knocker_60
• Track 18 : BobRoss2024_54

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 11 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acadian_59, DigitDog_59, Donny_60, EastView9101_58, Funsized_61, KarasumaRum_59, LilMcDreamy_56, Mysterious_57, Nangang_59, Nehemiah_58, Phelemich_57, Reccee_59, Reprobate_58, Rita130_58, Serendipitous_58, Shenyu_59, SirJeffery_58, StinkyVeggy_59, Suigeneris_60,

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

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

• BobRoss2024_54, ForDig_54, KayaCho_53, Knocker_60, Minnow_56,

Summary by start number:

Start 10:
• Found in 19 of 24 (79.2%) of genes in pham
• Manual Annotations of this start: 11 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acadian_59 (B5), DigitDog_59 (B5), Donny_60 (B5), EastView9101_58 (B5), Funsized_61 (B9), KarasumaRum_59 (B5), LilMcDreamy_56 (B12), Mysterious_57 (B5), Nangang_59 (B5), Nehemiah_58 (B5), Phelemich_57 (B5), Reccee_59 (B5), Reprobate_58 (B5), Rita130_58 (B5), Serendipitous_58 (B5), Shenyu_59 (B5), SirJeffery_58 (B5), StinkyVeggy_59 (B5), Suigeneris_60 (B5),

Start 11:
• Found in 4 of 24 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 75.0% of time when present
• Phage (with cluster) where this start called: ForDig_54 (B6), KayaCho_53 (B6), Minnow_56 (B6),

Start 12:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Knocker_60 (B9),

Start 15:
• Found in 1 of 24 (4.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BobRoss2024_54 (DR),

Summary by clusters:

There are 5 clusters represented in this pham: B5, DR, B12, B9, B6,

Info for manual annotations of cluster B12:
•Start number 10 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B5:
•Start number 10 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 11 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B9:
•Start number 10 was manually annotated 1 time for cluster B9.
•Start number 12 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: Acadian_59 Start: 55108, Stop: 54467, Start Num: 10
Candidate Starts for Acadian_59:
(7, 55234), (Start: 10 @55108 has 11 MA's), (14, 55066), (26, 54919), (28, 54886), (30, 54865), (32, 54847), (34, 54829), (58, 54682), (62, 54670), (64, 54661), (73, 54598), (77, 54562),

Gene: BobRoss2024_54 Start: 47349, Stop: 46783, Start Num: 15
Candidate Starts for BobRoss2024_54:
(15, 47349), (17, 47319), (48, 47052), (56, 46989), (57, 46980), (75, 46872),

Gene: DigitDog_59 Start: 55051, Stop: 54422, Start Num: 10
Candidate Starts for DigitDog_59:
(Start: 10 @55051 has 11 MA's), (14, 55009), (26, 54862), (28, 54829), (29, 54823), (30, 54808), (32, 54790), (34, 54772), (41, 54733), (42, 54724), (45, 54715), (58, 54613), (62, 54601),

Gene: Donny_60 Start: 55154, Stop: 54513, Start Num: 10
Candidate Starts for Donny_60:
(7, 55280), (Start: 10 @55154 has 11 MA's), (14, 55112), (26, 54965), (28, 54932), (30, 54911), (32, 54893), (34, 54875), (58, 54728), (62, 54716), (64, 54707), (73, 54644),

Gene: EastView9101_58 Start: 54963, Stop: 54334, Start Num: 10
Candidate Starts for EastView9101_58:
(7, 55089), (Start: 10 @54963 has 11 MA's), (14, 54921), (26, 54774), (28, 54741), (30, 54720), (32, 54702), (34, 54684), (58, 54537), (62, 54525), (64, 54516), (73, 54453),

Gene: ForDig_54 Start: 53442, Stop: 52843, Start Num: 11
Candidate Starts for ForDig_54:
(Start: 11 @53442 has 2 MA's), (18, 53349), (21, 53319), (24, 53307), (26, 53289), (29, 53250), (31, 53220), (43, 53160), (53, 53085), (73, 52965), (74, 52959), (81, 52881),

Gene: Funsized_61 Start: 57221, Stop: 56568, Start Num: 10
Candidate Starts for Funsized_61:
(2, 57734), (3, 57476), (5, 57461), (8, 57338), (Start: 10 @57221 has 11 MA's), (Start: 11 @57212 has 2 MA's), (14, 57167), (18, 57107), (20, 57086), (25, 57047), (27, 57041), (32, 56972), (33, 56969), (35, 56939), (37, 56924), (51, 56849), (52, 56831), (63, 56771), (65, 56765), (76, 56660), (82, 56594), (83, 56579),

Gene: KarasumaRum_59 Start: 55230, Stop: 54595, Start Num: 10
Candidate Starts for KarasumaRum_59:
(Start: 10 @55230 has 11 MA's), (14, 55188), (26, 55041), (28, 55008), (29, 55002), (30, 54987), (32, 54969), (34, 54951), (41, 54912), (42, 54903), (45, 54894), (50, 54849), (53, 54819), (54, 54813),

Gene: KayaCho_53 Start: 53359, Stop: 52745, Start Num: 11
Candidate Starts for KayaCho_53:
(Start: 11 @53359 has 2 MA's), (18, 53266), (21, 53236), (24, 53224), (25, 53215), (31, 53137), (51, 53023), (57, 52972), (61, 52954), (73, 52867), (74, 52861), (78, 52828),

Gene: Knocker_60 Start: 56622, Stop: 55990, Start Num: 12
Candidate Starts for Knocker_60:
(9, 56706), (Start: 12 @56622 has 1 MA's), (13, 56598), (20, 56502), (27, 56475), (37, 56358), (49, 56301), (51, 56283), (57, 56232), (59, 56223), (67, 56163), (68, 56148), (79, 56040),

Gene: LilMcDreamy_56 Start: 54463, Stop: 53825, Start Num: 10
Candidate Starts for LilMcDreamy_56:
(4, 54697), (6, 54682), (Start: 10 @54463 has 11 MA's), (14, 54421), (19, 54352), (22, 54325), (23, 54316), (28, 54253), (32, 54214), (36, 54175), (39, 54169), (47, 54139), (50, 54112), (54, 54076), (71, 53977), (72, 53968), (73, 53965), (82, 53881), (84, 53851),

Gene: Minnow_56 Start: 53492, Stop: 52881, Start Num: 11
Candidate Starts for Minnow_56:
(Start: 11 @53492 has 2 MA's), (18, 53399), (24, 53357), (25, 53348), (31, 53270), (51, 53156), (57, 53105), (61, 53087), (69, 53024), (70, 53021), (73, 53000), (74, 52994), (80, 52928),

Gene: Mysterious_57 Start: 55230, Stop: 54571, Start Num: 10
Candidate Starts for Mysterious_57:
(Start: 10 @55230 has 11 MA's), (14, 55188), (16, 55173), (26, 55041), (28, 55008), (30, 54987), (32, 54969), (34, 54951), (44, 54903), (46, 54894), (53, 54819), (54, 54813), (66, 54741), (68, 54729),

Gene: Nangang_59 Start: 55409, Stop: 54777, Start Num: 10
Candidate Starts for Nangang_59:
(Start: 10 @55409 has 11 MA's), (14, 55367), (26, 55220), (28, 55187), (30, 55166), (32, 55148), (41, 55094), (44, 55082), (50, 55031), (53, 55001), (54, 54995), (58, 54968), (60, 54965),

Gene: Nehemiah_58 Start: 55230, Stop: 54571, Start Num: 10
Candidate Starts for Nehemiah_58:
(Start: 10 @55230 has 11 MA's), (14, 55188), (16, 55173), (26, 55041), (28, 55008), (30, 54987), (32, 54969), (34, 54951), (44, 54903), (46, 54894), (53, 54819), (54, 54813), (66, 54741), (68, 54729),

Gene: Phelemich_57 Start: 55226, Stop: 54567, Start Num: 10
Candidate Starts for Phelemich_57:
(Start: 10 @55226 has 11 MA's), (14, 55184), (16, 55169), (26, 55037), (28, 55004), (30, 54983), (32, 54965), (40, 54908), (44, 54896), (53, 54815), (54, 54809), (55, 54806), (66, 54737), (68, 54725),

Gene: Reccee_59 Start: 55237, Stop: 54596, Start Num: 10
Candidate Starts for Reccee_59:
(Start: 10 @55237 has 11 MA's), (14, 55195), (26, 55048), (28, 55015), (30, 54994), (32, 54976), (38, 54925), (45, 54901), (58, 54799), (62, 54787), (64, 54778),

Gene: Reprobate_58 Start: 55231, Stop: 54572, Start Num: 10
Candidate Starts for Reprobate_58:
(Start: 10 @55231 has 11 MA's), (14, 55189), (16, 55174), (26, 55042), (28, 55009), (30, 54988), (32, 54970), (40, 54913), (44, 54901), (53, 54820), (54, 54814), (55, 54811), (66, 54742), (68, 54730),

Gene: Rita130_58 Start: 55050, Stop: 54421, Start Num: 10
Candidate Starts for Rita130_58:
(Start: 10 @55050 has 11 MA's), (14, 55008), (26, 54861), (28, 54828), (30, 54807), (32, 54789), (34, 54771), (58, 54624), (62, 54612), (64, 54603), (73, 54540),

Gene: Serendipitous_58 Start: 54821, Stop: 54153, Start Num: 10
Candidate Starts for Serendipitous_58:
(Start: 10 @54821 has 11 MA's), (14, 54779), (26, 54632), (28, 54599), (30, 54578), (32, 54560), (44, 54494), (58, 54386), (62, 54374),

Gene: Shenyu_59 Start: 55433, Stop: 54810, Start Num: 10
Candidate Starts for Shenyu_59:

(1, 55958), (6, 55652), (Start: 10 @55433 has 11 MA's), (14, 55391), (26, 55244), (28, 55211), (29, 55205), (30, 55190), (32, 55172), (41, 55118), (44, 55106), (58, 54998), (62, 54986),

Gene: SirJeffery_58 Start: 55185, Stop: 54502, Start Num: 10
Candidate Starts for SirJeffery_58:
(7, 55311), (Start: 10 @55185 has 11 MA's), (14, 55143), (26, 54996), (28, 54963), (30, 54942), (32, 54924), (34, 54906), (58, 54759), (62, 54747), (64, 54738), (73, 54663),

Gene: StinkyVeggy_59 Start: 55230, Stop: 54595, Start Num: 10
Candidate Starts for StinkyVeggy_59:
(Start: 10 @55230 has 11 MA's), (14, 55188), (26, 55041), (28, 55008), (29, 55002), (30, 54987), (32, 54969), (34, 54951), (41, 54912), (42, 54903), (45, 54894), (50, 54849), (53, 54819), (54, 54813),

Gene: Suigeneris_60 Start: 55306, Stop: 54665, Start Num: 10
Candidate Starts for Suigeneris_60:
(7, 55432), (Start: 10 @55306 has 11 MA's), (14, 55264), (26, 55117), (28, 55084), (30, 55063), (32, 55045), (34, 55027), (58, 54880), (62, 54868), (64, 54859), (73, 54796),