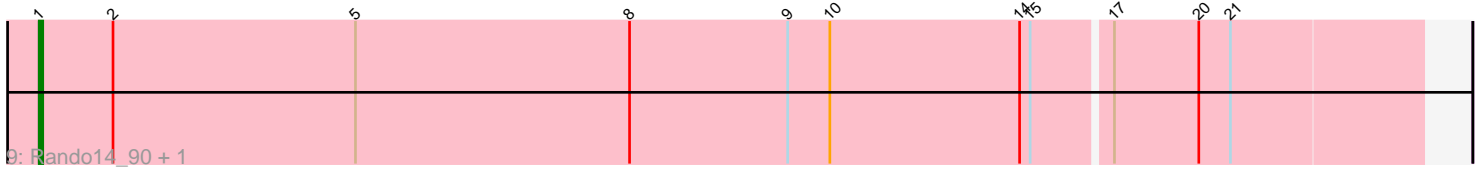
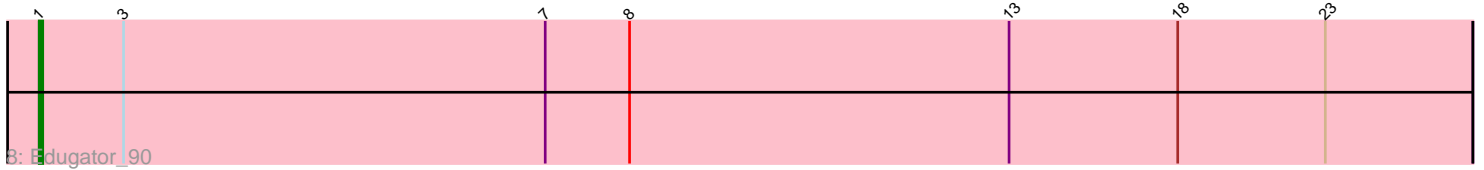
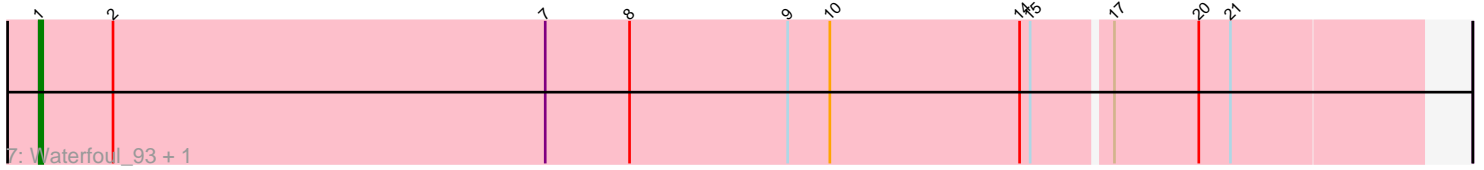
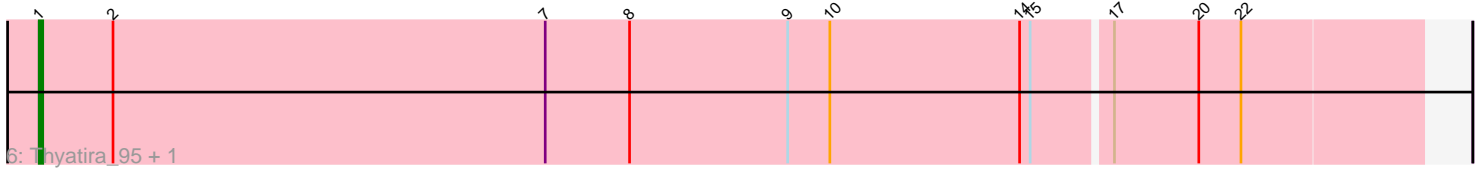
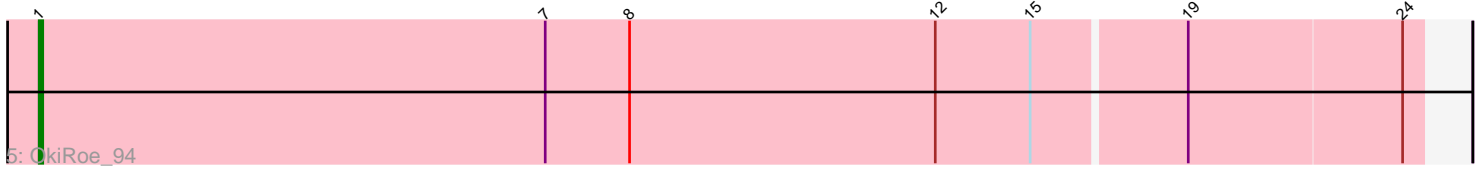
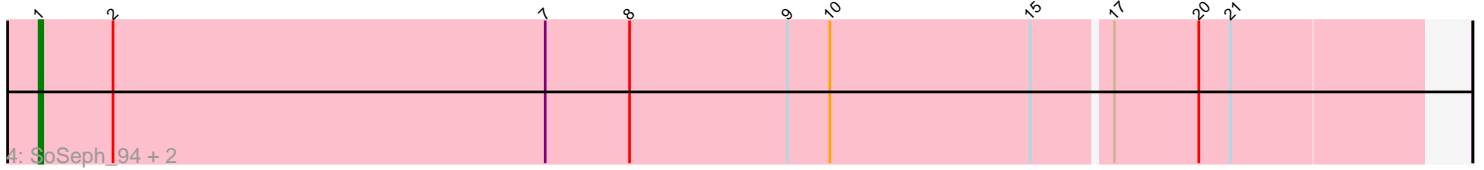
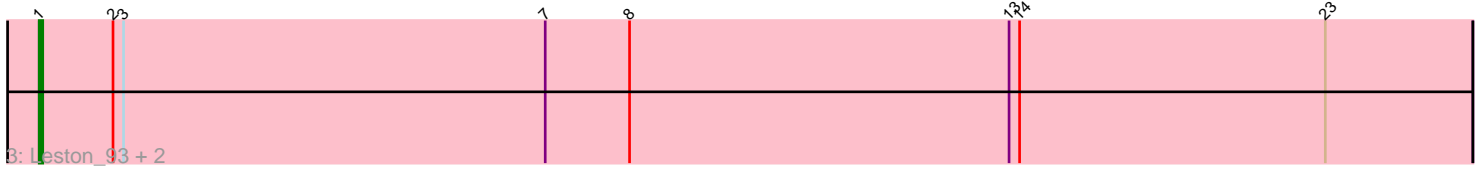
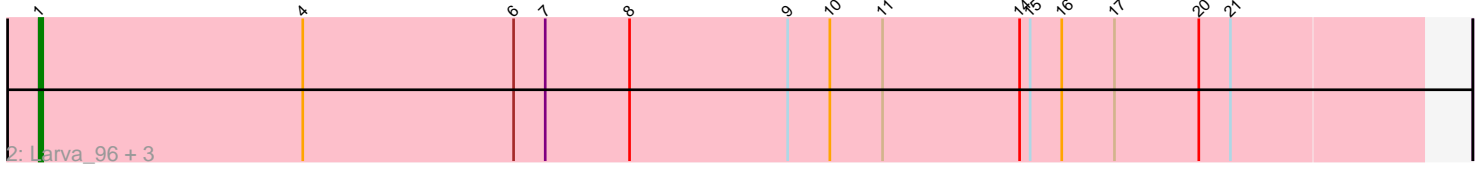
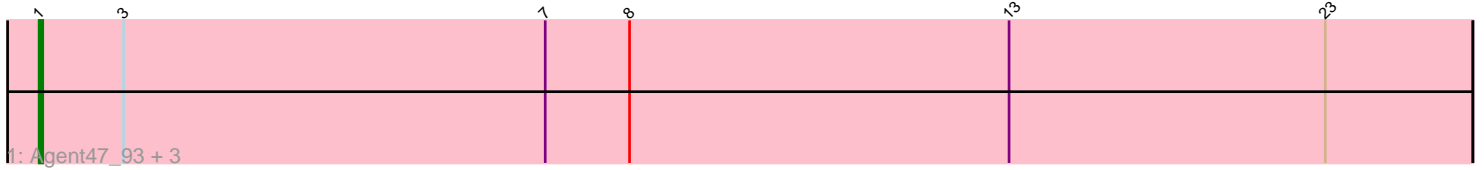


Pham 156647



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 156647 Report

This analysis was run 04/12/24 on database version 558.

Pham number 156647 has 22 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Agent47_93, InvictusManeo_92, Collard_93, Kratio_98
- Track 2 : Larva_96, AlleyCat_97, Dadosky_97, Psycho_95
- Track 3 : Leston_93, Guillsminger_93, Paola_91
- Track 4 : SoSeph_94, Feyre_96, Heftyboy_94
- Track 5 : OkiRoe_94
- Track 6 : Thyatira_95, Gengar_93
- Track 7 : Waterfoul_93, Miryou_96
- Track 8 : Edugator_90
- Track 9 : Rando14_90, Omnicron_93

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

The start number called the most often in the published annotations is 1, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agent47_93, AlleyCat_97, Collard_93, Dadosky_97, Edugator_90, Feyre_96, Gengar_93, Guillsminger_93, Heftyboy_94, InvictusManeo_92, Kratio_98, Larva_96, Leston_93, Miryou_96, OkiRoe_94, Omnicron_93, Paola_91, Psycho_95, Rando14_90, SoSeph_94, Thyatira_95, Waterfoul_93,

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 1:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 20 of 20
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Agent47_93 (K5), AlleyCat_97 (K5), Collard_93 (K5), Dadosky_97 (K5), Edugator_90 (K5), Feyre_96 (K5), Gengar_93 (K5), Guillsminger_93 (K5), Heftyboy_94 (K5), InvictusManeo_92 (K5), Kratio_98 (K5), Larva_96 (K5), Leston_93 (K5), Miryou_96 (K5), OkiRoe_94 (K5), Omnicron_93 (K5), Paola_91 (K5), Psycho_95 (K5), Rando14_90 (K5), SoSeph_94 (K5), Thyatira_95 (K5), Waterfoul_93 (K5),

Summary by clusters:

There is one cluster represented in this pham: K5

Info for manual annotations of cluster K5:

•Start number 1 was manually annotated 20 times for cluster K5.

Gene Information:

Gene: Agent47_93 Start: 59166, Stop: 59573, Start Num: 1

Candidate Starts for Agent47_93:

(Start: 1 @59166 has 20 MA's), (3, 59190), (7, 59310), (8, 59334), (13, 59442), (23, 59532),

Gene: AlleyCat_97 Start: 60311, Stop: 60703, Start Num: 1

Candidate Starts for AlleyCat_97:

(Start: 1 @60311 has 20 MA's), (4, 60386), (6, 60446), (7, 60455), (8, 60479), (9, 60524), (10, 60536), (11, 60551), (14, 60590), (15, 60593), (16, 60602), (17, 60617), (20, 60641), (21, 60650),

Gene: Collard_93 Start: 59418, Stop: 59825, Start Num: 1

Candidate Starts for Collard_93:

(Start: 1 @59418 has 20 MA's), (3, 59442), (7, 59562), (8, 59586), (13, 59694), (23, 59784),

Gene: Dadosky_97 Start: 60312, Stop: 60704, Start Num: 1

Candidate Starts for Dadosky_97:

(Start: 1 @60312 has 20 MA's), (4, 60387), (6, 60447), (7, 60456), (8, 60480), (9, 60525), (10, 60537), (11, 60552), (14, 60591), (15, 60594), (16, 60603), (17, 60618), (20, 60642), (21, 60651),

Gene: Edugator_90 Start: 61365, Stop: 61772, Start Num: 1

Candidate Starts for Edugator_90:

(Start: 1 @61365 has 20 MA's), (3, 61389), (7, 61509), (8, 61533), (13, 61641), (18, 61689), (23, 61731),

Gene: Feyre_96 Start: 61788, Stop: 62177, Start Num: 1

Candidate Starts for Feyre_96:

(Start: 1 @61788 has 20 MA's), (2, 61809), (7, 61932), (8, 61956), (9, 62001), (10, 62013), (15, 62070), (17, 62091), (20, 62115), (21, 62124),

Gene: Gengar_93 Start: 59856, Stop: 60245, Start Num: 1

Candidate Starts for Gengar_93:

(Start: 1 @59856 has 20 MA's), (2, 59877), (7, 60000), (8, 60024), (9, 60069), (10, 60081), (14, 60135), (15, 60138), (17, 60159), (20, 60183), (22, 60195),

Gene: Guillsminger_93 Start: 61155, Stop: 61562, Start Num: 1

Candidate Starts for Guillsminger_93:

(Start: 1 @61155 has 20 MA's), (2, 61176), (3, 61179), (7, 61299), (8, 61323), (13, 61431), (14, 61434), (23, 61521),

Gene: Heftyboy_94 Start: 60198, Stop: 60587, Start Num: 1

Candidate Starts for Heftyboy_94:

(Start: 1 @60198 has 20 MA's), (2, 60219), (7, 60342), (8, 60366), (9, 60411), (10, 60423), (15, 60480), (17, 60501), (20, 60525), (21, 60534),

Gene: InvictusManeo_92 Start: 59170, Stop: 59577, Start Num: 1

Candidate Starts for InvictusManeo_92:

(Start: 1 @59170 has 20 MA's), (3, 59194), (7, 59314), (8, 59338), (13, 59446), (23, 59536),

Gene: Kratio_98 Start: 60761, Stop: 61168, Start Num: 1

Candidate Starts for Kratio_98:

(Start: 1 @60761 has 20 MA's), (3, 60785), (7, 60905), (8, 60929), (13, 61037), (23, 61127),

Gene: Larva_96 Start: 61188, Stop: 61580, Start Num: 1

Candidate Starts for Larva_96:

(Start: 1 @61188 has 20 MA's), (4, 61263), (6, 61323), (7, 61332), (8, 61356), (9, 61401), (10, 61413), (11, 61428), (14, 61467), (15, 61470), (16, 61479), (17, 61494), (20, 61518), (21, 61527),

Gene: Leston_93 Start: 59810, Stop: 60217, Start Num: 1

Candidate Starts for Leston_93:

(Start: 1 @59810 has 20 MA's), (2, 59831), (3, 59834), (7, 59954), (8, 59978), (13, 60086), (14, 60089), (23, 60176),

Gene: Miryou_96 Start: 61404, Stop: 61793, Start Num: 1

Candidate Starts for Miryou_96:

(Start: 1 @61404 has 20 MA's), (2, 61425), (7, 61548), (8, 61572), (9, 61617), (10, 61629), (14, 61683), (15, 61686), (17, 61707), (20, 61731), (21, 61740),

Gene: OkiRoe_94 Start: 60824, Stop: 61213, Start Num: 1

Candidate Starts for OkiRoe_94:

(Start: 1 @60824 has 20 MA's), (7, 60968), (8, 60992), (12, 61079), (15, 61106), (19, 61148), (24, 61208),

Gene: Omnicron_93 Start: 59815, Stop: 60204, Start Num: 1

Candidate Starts for Omnicron_93:

(Start: 1 @59815 has 20 MA's), (2, 59836), (5, 59905), (8, 59983), (9, 60028), (10, 60040), (14, 60094), (15, 60097), (17, 60118), (20, 60142), (21, 60151),

Gene: Paola_91 Start: 59537, Stop: 59944, Start Num: 1

Candidate Starts for Paola_91:

(Start: 1 @59537 has 20 MA's), (2, 59558), (3, 59561), (7, 59681), (8, 59705), (13, 59813), (14, 59816), (23, 59903),

Gene: Psycho_95 Start: 60309, Stop: 60701, Start Num: 1

Candidate Starts for Psycho_95:

(Start: 1 @60309 has 20 MA's), (4, 60384), (6, 60444), (7, 60453), (8, 60477), (9, 60522), (10, 60534), (11, 60549), (14, 60588), (15, 60591), (16, 60600), (17, 60615), (20, 60639), (21, 60648),

Gene: Rando14_90 Start: 58226, Stop: 58615, Start Num: 1

Candidate Starts for Rando14_90:

(Start: 1 @58226 has 20 MA's), (2, 58247), (5, 58316), (8, 58394), (9, 58439), (10, 58451), (14, 58505), (15, 58508), (17, 58529), (20, 58553), (21, 58562),

Gene: SoSeph_94 Start: 60198, Stop: 60587, Start Num: 1

Candidate Starts for SoSeph_94:

(Start: 1 @60198 has 20 MA's), (2, 60219), (7, 60342), (8, 60366), (9, 60411), (10, 60423), (15, 60480), (17, 60501), (20, 60525), (21, 60534),

Gene: Thyatira_95 Start: 62107, Stop: 62496, Start Num: 1

Candidate Starts for Thyatira_95:

(Start: 1 @62107 has 20 MA's), (2, 62128), (7, 62251), (8, 62275), (9, 62320), (10, 62332), (14, 62386), (15, 62389), (17, 62410), (20, 62434), (22, 62446),

Gene: Waterfoul_93 Start: 59474, Stop: 59863, Start Num: 1

Candidate Starts for Waterfoul_93:

(Start: 1 @59474 has 20 MA's), (2, 59495), (7, 59618), (8, 59642), (9, 59687), (10, 59699), (14, 59753), (15, 59756), (17, 59777), (20, 59801), (21, 59810),