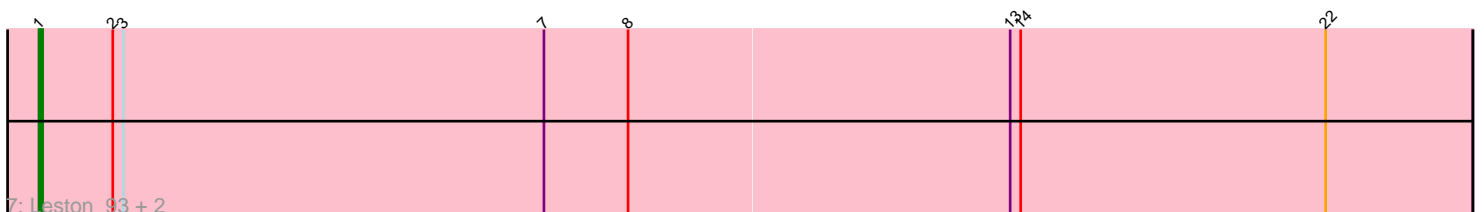
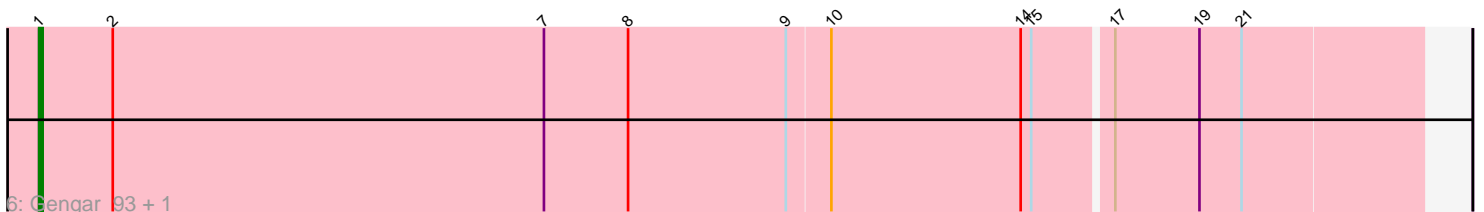
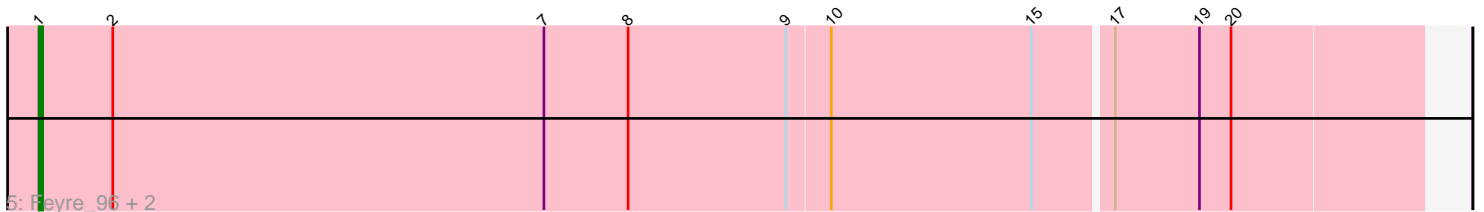
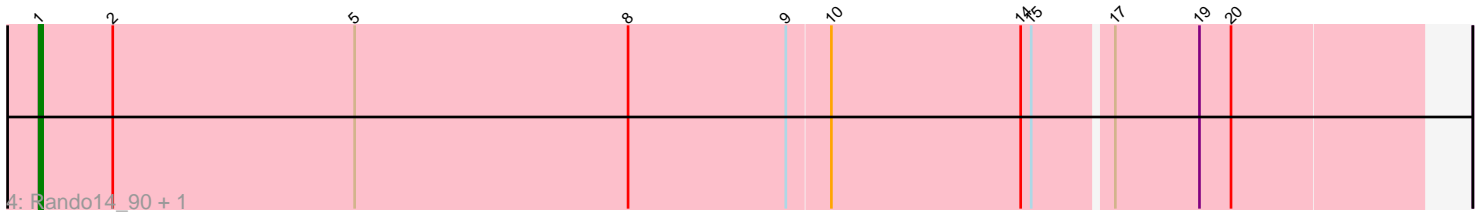
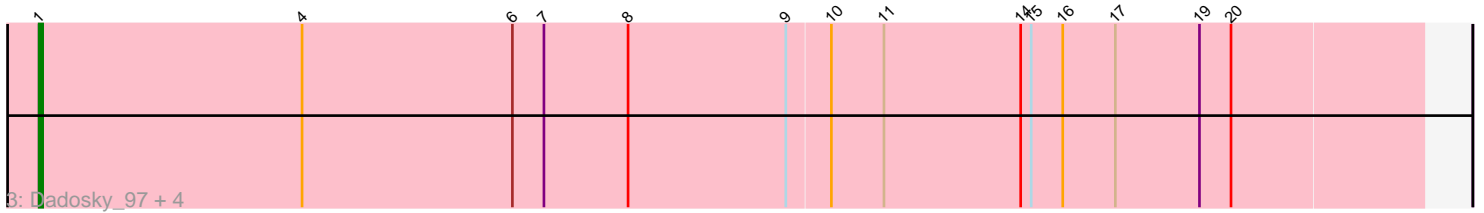
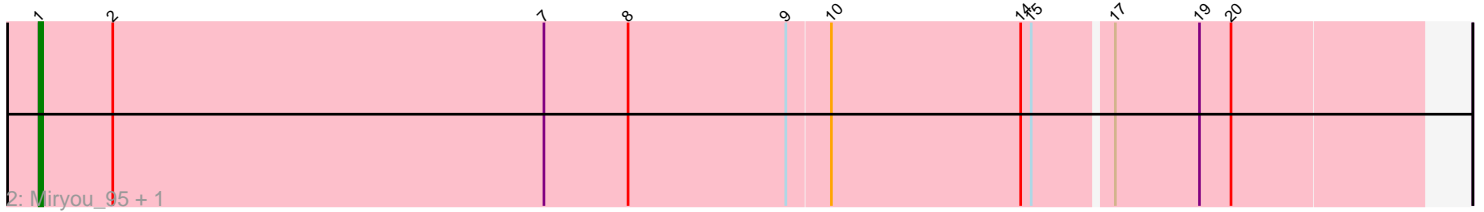
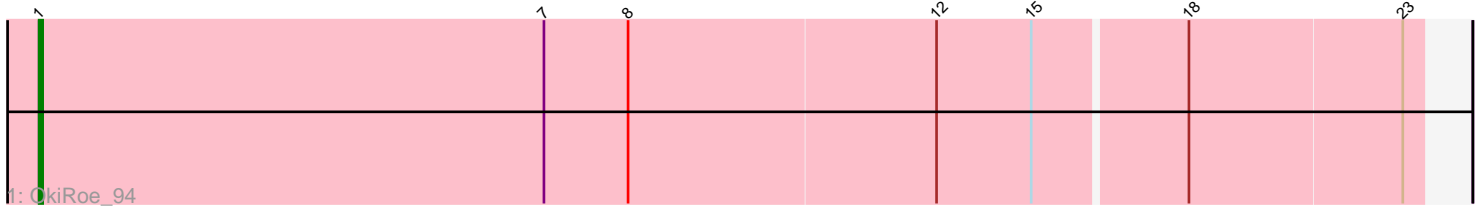


Pham 295150



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 295150 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295150 has 18 members, 1 are drafts.

Phages represented in each track:

- Track 1 : OkiRoe_94
- Track 2 : Miryou_95, Waterfoul_93
- Track 3 : Dadosky_97, AlleyCat_97, Larva_96, Psycho_95, Neighly_97
- Track 4 : Rando14_90, Omnicron_93
- Track 5 : Feyre_96, Heftyboy_94, SoSeph_94
- Track 6 : Gengar_93, Thyatira_95
- Track 7 : Leston_93, Guillsminger_93, Paola_91

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 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlleyCat_97, Dadosky_97, Feyre_96, Gengar_93, Guillsminger_93, Heftyboy_94, Larva_96, Leston_93, Miryou_95, Neighly_97, 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 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlleyCat_97 (K5), Dadosky_97 (K5), Feyre_96 (K5), Gengar_93 (K5), Guillsminger_93 (K5), Heftyboy_94 (K5), Larva_96 (K5), Leston_93 (K5), Miryou_95 (K5), Neighly_97 (K3), 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 are 2 clusters represented in this pham: K3, K5,

Info for manual annotations of cluster K5:

•Start number 1 was manually annotated 17 times for cluster K5.

Gene Information:

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

Candidate Starts for AlleyCat_97:

(Start: 1 @60311 has 17 MA's), (4, 60386), (6, 60446), (7, 60455), (8, 60479), (9, 60524), (10, 60536), (11, 60551), (14, 60590), (15, 60593), (16, 60602), (17, 60617), (19, 60641), (20, 60650),

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

Candidate Starts for Dadosky_97:

(Start: 1 @60312 has 17 MA's), (4, 60387), (6, 60447), (7, 60456), (8, 60480), (9, 60525), (10, 60537), (11, 60552), (14, 60591), (15, 60594), (16, 60603), (17, 60618), (19, 60642), (20, 60651),

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

Candidate Starts for Feyre_96:

(Start: 1 @61788 has 17 MA's), (2, 61809), (7, 61932), (8, 61956), (9, 62001), (10, 62013), (15, 62070), (17, 62091), (19, 62115), (20, 62124),

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

Candidate Starts for Gengar_93:

(Start: 1 @59856 has 17 MA's), (2, 59877), (7, 60000), (8, 60024), (9, 60069), (10, 60081), (14, 60135), (15, 60138), (17, 60159), (19, 60183), (21, 60195),

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

Candidate Starts for Guillsminger_93:

(Start: 1 @61155 has 17 MA's), (2, 61176), (3, 61179), (7, 61299), (8, 61323), (13, 61431), (14, 61434), (22, 61521),

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

Candidate Starts for Heftyboy_94:

(Start: 1 @60198 has 17 MA's), (2, 60219), (7, 60342), (8, 60366), (9, 60411), (10, 60423), (15, 60480), (17, 60501), (19, 60525), (20, 60534),

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

Candidate Starts for Larva_96:

(Start: 1 @61188 has 17 MA's), (4, 61263), (6, 61323), (7, 61332), (8, 61356), (9, 61401), (10, 61413), (11, 61428), (14, 61467), (15, 61470), (16, 61479), (17, 61494), (19, 61518), (20, 61527),

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

Candidate Starts for Leston_93:

(Start: 1 @59810 has 17 MA's), (2, 59831), (3, 59834), (7, 59954), (8, 59978), (13, 60086), (14, 60089), (22, 60176),

Gene: Miryou_95 Start: 61404, Stop: 61793, Start Num: 1

Candidate Starts for Miryou_95:

(Start: 1 @61404 has 17 MA's), (2, 61425), (7, 61548), (8, 61572), (9, 61617), (10, 61629), (14, 61683), (15, 61686), (17, 61707), (19, 61731), (20, 61740),

Gene: Neighly_97 Start: 61187, Stop: 61579, Start Num: 1

Candidate Starts for Neighly_97:

(Start: 1 @61187 has 17 MA's), (4, 61262), (6, 61322), (7, 61331), (8, 61355), (9, 61400), (10, 61412), (11, 61427), (14, 61466), (15, 61469), (16, 61478), (17, 61493), (19, 61517), (20, 61526),

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

Candidate Starts for OkiRoe_94:

(Start: 1 @60824 has 17 MA's), (7, 60968), (8, 60992), (12, 61079), (15, 61106), (18, 61148), (23, 61208),

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

Candidate Starts for Omnicron_93:

(Start: 1 @59815 has 17 MA's), (2, 59836), (5, 59905), (8, 59983), (9, 60028), (10, 60040), (14, 60094), (15, 60097), (17, 60118), (19, 60142), (20, 60151),

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

Candidate Starts for Paola_91:

(Start: 1 @59537 has 17 MA's), (2, 59558), (3, 59561), (7, 59681), (8, 59705), (13, 59813), (14, 59816), (22, 59903),

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

Candidate Starts for Psycho_95:

(Start: 1 @60309 has 17 MA's), (4, 60384), (6, 60444), (7, 60453), (8, 60477), (9, 60522), (10, 60534), (11, 60549), (14, 60588), (15, 60591), (16, 60600), (17, 60615), (19, 60639), (20, 60648),

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

Candidate Starts for Rando14_90:

(Start: 1 @58226 has 17 MA's), (2, 58247), (5, 58316), (8, 58394), (9, 58439), (10, 58451), (14, 58505), (15, 58508), (17, 58529), (19, 58553), (20, 58562),

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

Candidate Starts for SoSeph_94:

(Start: 1 @60198 has 17 MA's), (2, 60219), (7, 60342), (8, 60366), (9, 60411), (10, 60423), (15, 60480), (17, 60501), (19, 60525), (20, 60534),

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

Candidate Starts for Thyatira_95:

(Start: 1 @62107 has 17 MA's), (2, 62128), (7, 62251), (8, 62275), (9, 62320), (10, 62332), (14, 62386), (15, 62389), (17, 62410), (19, 62434), (21, 62446),

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

Candidate Starts for Waterfoul_93:

(Start: 1 @59474 has 17 MA's), (2, 59495), (7, 59618), (8, 59642), (9, 59687), (10, 59699), (14, 59753), (15, 59756), (17, 59777), (19, 59801), (20, 59810),