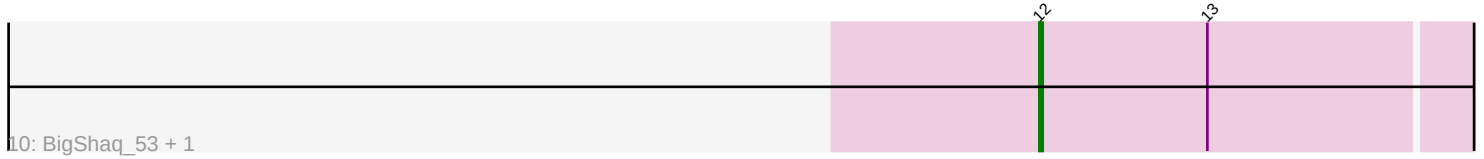
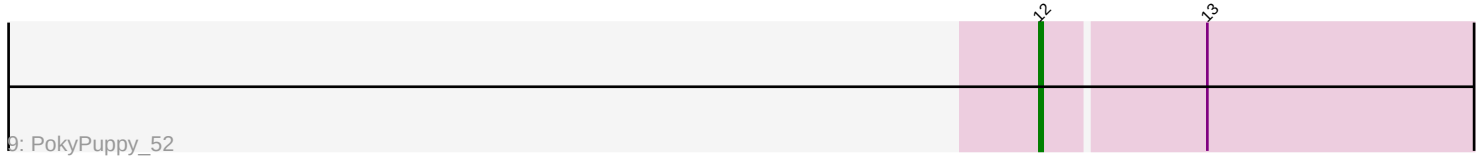
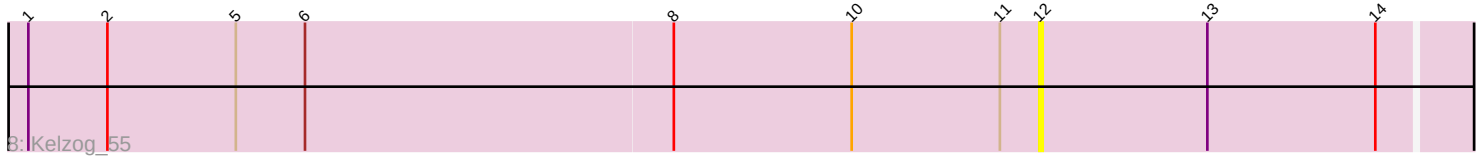
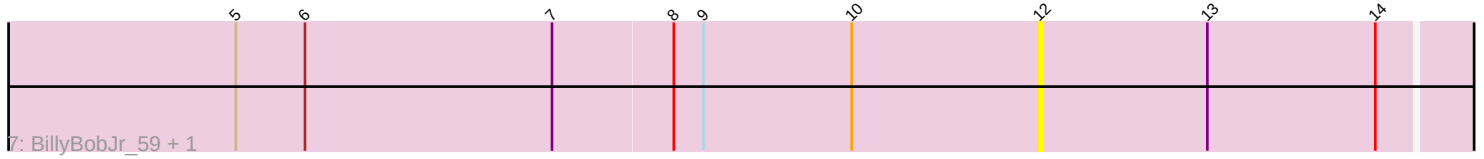
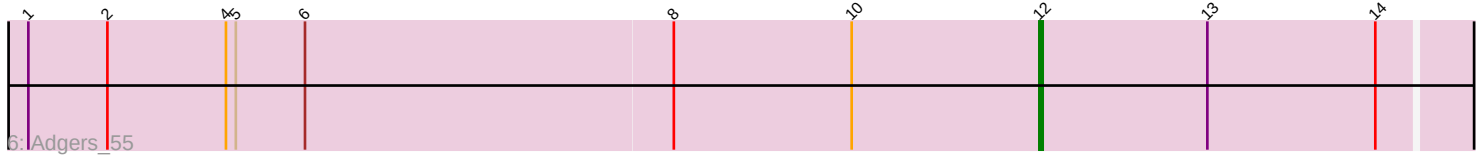
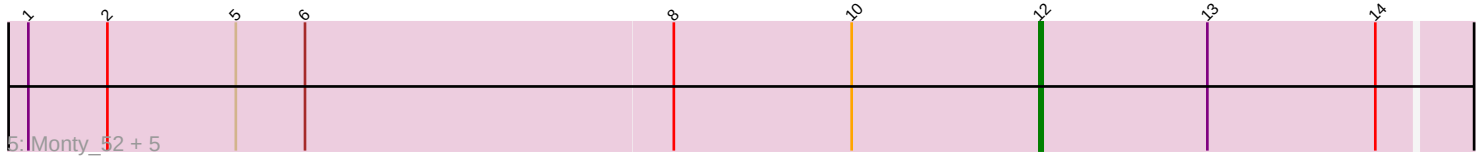
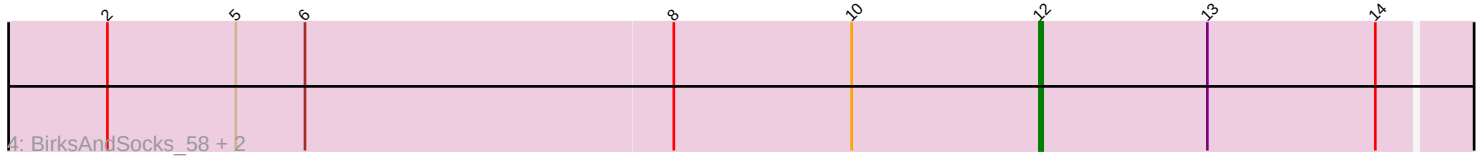
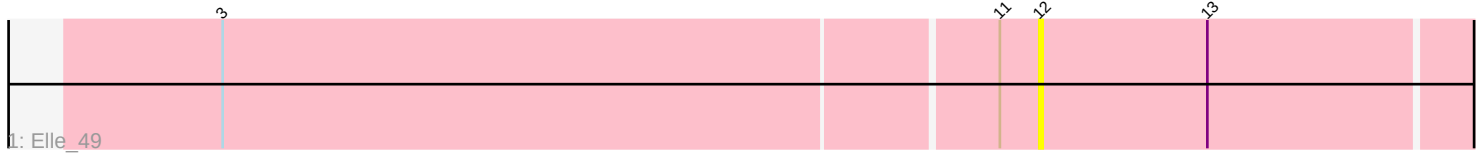


Pham 276556



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 276556 Report

This analysis was run 02/07/26 on database version 634.

Pham number 276556 has 20 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Elle_49
- Track 2 : Anon_51, Warrior24_57
- Track 3 : Oofda_55
- Track 4 : BirksAndSocks_58, GourdThymes_53, Boneham_57
- Track 5 : Monty_52, CathyBurgh_53, Hotorobo_53, RemRem_54, Breezic_53, Lizzo_53
- Track 6 : Adgers_55
- Track 7 : BillyBobJr_59, CinnamonToast_59
- Track 8 : Kelzog_55
- Track 9 : PokyPuppy_52
- Track 10 : BigShaq_53, Crete_54

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

The start number called the most often in the published annotations is 12, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adgers_55, Anon_51, BigShaq_53, BillyBobJr_59, BirksAndSocks_58, Boneham_57, Breezic_53, CathyBurgh_53, CinnamonToast_59, Crete_54, Elle_49, GourdThymes_53, Hotorobo_53, Kelzog_55, Lizzo_53, Monty_52, Oofda_55, PokyPuppy_52, RemRem_54, Warrior24_57,

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 12:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adgers_55 (CS2), Anon_51 (A15), BigShaq_53 (CS2), BillyBobJr_59 (CS2), BirksAndSocks_58 (CS2), Boneham_57 (CS2), Breezic_53 (CS2), CathyBurgh_53 (CS2), CinnamonToast_59 (CS2), Crete_54 (CS2), Elle_49 (A15), GourdThymes_53 (CS2), Hotorobo_53 (CS2), Kelzog_55 (CS2), Lizzo_53 (CS2), Monty_52 (CS2), Oofda_55 (A15), PokyPuppy_52 (CS2), RemRem_54 (CS2), Warrior24_57 (A15),

Summary by clusters:

There are 2 clusters represented in this pham: A15, CS2,

Info for manual annotations of cluster A15:

- Start number 12 was manually annotated 3 times for cluster A15.

Info for manual annotations of cluster CS2:

- Start number 12 was manually annotated 12 times for cluster CS2.

Gene Information:

Gene: Adgers_55 Start: 47608, Stop: 47459, Start Num: 12

Candidate Starts for Adgers_55:

(1, 47914), (2, 47890), (4, 47854), (5, 47851), (6, 47830), (8, 47719), (10, 47665), (Start: 12 @47608 has 15 MA's), (13, 47557), (14, 47506),

Gene: Anon_51 Start: 32172, Stop: 32023, Start Num: 12

Candidate Starts for Anon_51:

(11, 32184), (Start: 12 @32172 has 15 MA's), (13, 32121),

Gene: BigShaq_53 Start: 47720, Stop: 47565, Start Num: 12

Candidate Starts for BigShaq_53:

(Start: 12 @47720 has 15 MA's), (13, 47669),

Gene: BillyBobJr_59 Start: 49432, Stop: 49277, Start Num: 12

Candidate Starts for BillyBobJr_59:

(5, 49675), (6, 49654), (7, 49579), (8, 49543), (9, 49534), (10, 49489), (Start: 12 @49432 has 15 MA's), (13, 49381), (14, 49330),

Gene: BirksAndSocks_58 Start: 49472, Stop: 49317, Start Num: 12

Candidate Starts for BirksAndSocks_58:

(2, 49754), (5, 49715), (6, 49694), (8, 49583), (10, 49529), (Start: 12 @49472 has 15 MA's), (13, 49421), (14, 49370),

Gene: Boneham_57 Start: 49373, Stop: 49218, Start Num: 12

Candidate Starts for Boneham_57:

(2, 49655), (5, 49616), (6, 49595), (8, 49484), (10, 49430), (Start: 12 @49373 has 15 MA's), (13, 49322), (14, 49271),

Gene: Breezic_53 Start: 47365, Stop: 47210, Start Num: 12

Candidate Starts for Breezic_53:

(1, 47671), (2, 47647), (5, 47608), (6, 47587), (8, 47476), (10, 47422), (Start: 12 @47365 has 15 MA's),
(13, 47314), (14, 47263),

Gene: CathyBurgh_53 Start: 47942, Stop: 47787, Start Num: 12

Candidate Starts for CathyBurgh_53:

(1, 48248), (2, 48224), (5, 48185), (6, 48164), (8, 48053), (10, 47999), (Start: 12 @47942 has 15 MA's),
(13, 47891), (14, 47840),

Gene: CinnamonToast_59 Start: 49432, Stop: 49277, Start Num: 12

Candidate Starts for CinnamonToast_59:

(5, 49675), (6, 49654), (7, 49579), (8, 49543), (9, 49534), (10, 49489), (Start: 12 @49432 has 15 MA's),
(13, 49381), (14, 49330),

Gene: Crete_54 Start: 47986, Stop: 47831, Start Num: 12

Candidate Starts for Crete_54:

(Start: 12 @47986 has 15 MA's), (13, 47935),

Gene: Elle_49 Start: 30965, Stop: 30813, Start Num: 12

Candidate Starts for Elle_49:

(3, 31208), (11, 30977), (Start: 12 @30965 has 15 MA's), (13, 30914),

Gene: GourdThymes_53 Start: 47948, Stop: 47793, Start Num: 12

Candidate Starts for GourdThymes_53:

(2, 48230), (5, 48191), (6, 48170), (8, 48059), (10, 48005), (Start: 12 @47948 has 15 MA's), (13,
47897), (14, 47846),

Gene: Hotorobo_53 Start: 47953, Stop: 47798, Start Num: 12

Candidate Starts for Hotorobo_53:

(1, 48259), (2, 48235), (5, 48196), (6, 48175), (8, 48064), (10, 48010), (Start: 12 @47953 has 15 MA's),
(13, 47902), (14, 47851),

Gene: Kelzog_55 Start: 47960, Stop: 47805, Start Num: 12

Candidate Starts for Kelzog_55:

(1, 48266), (2, 48242), (5, 48203), (6, 48182), (8, 48071), (10, 48017), (11, 47972), (Start: 12 @47960
has 15 MA's), (13, 47909), (14, 47858),

Gene: Lizzo_53 Start: 47942, Stop: 47787, Start Num: 12

Candidate Starts for Lizzo_53:

(1, 48248), (2, 48224), (5, 48185), (6, 48164), (8, 48053), (10, 47999), (Start: 12 @47942 has 15 MA's),
(13, 47891), (14, 47840),

Gene: Monty_52 Start: 47092, Stop: 46937, Start Num: 12

Candidate Starts for Monty_52:

(1, 47398), (2, 47374), (5, 47335), (6, 47314), (8, 47203), (10, 47149), (Start: 12 @47092 has 15 MA's),
(13, 47041), (14, 46990),

Gene: Oofda_55 Start: 32759, Stop: 32607, Start Num: 12

Candidate Starts for Oofda_55:

(11, 32771), (Start: 12 @32759 has 15 MA's), (13, 32708),

Gene: PokyPuppy_52 Start: 48400, Stop: 48245, Start Num: 12

Candidate Starts for PokyPuppy_52:

(Start: 12 @48400 has 15 MA's), (13, 48352),

Gene: RemRem_54 Start: 47082, Stop: 46927, Start Num: 12

Candidate Starts for RemRem_54:

(1, 47388), (2, 47364), (5, 47325), (6, 47304), (8, 47193), (10, 47139), (Start: 12 @47082 has 15 MA's),
(13, 47031), (14, 46980),

Gene: Warrior24_57 Start: 33214, Stop: 33062, Start Num: 12

Candidate Starts for Warrior24_57:

(11, 33226), (Start: 12 @33214 has 15 MA's), (13, 33163),