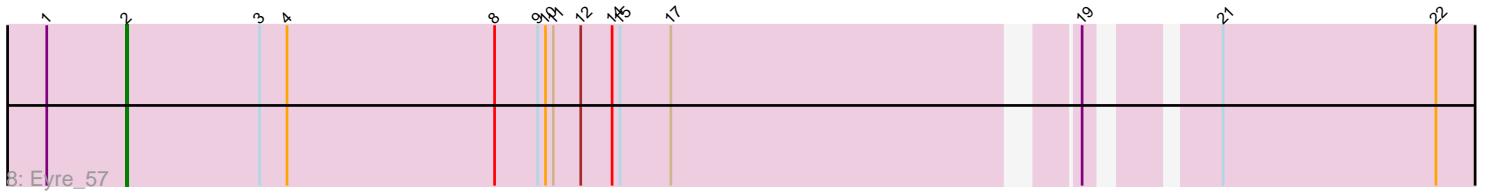
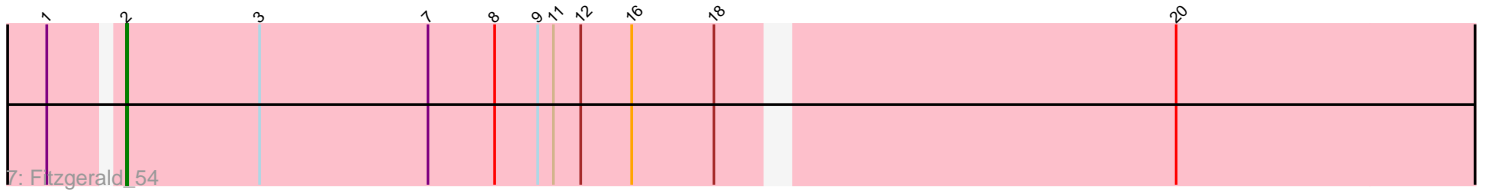
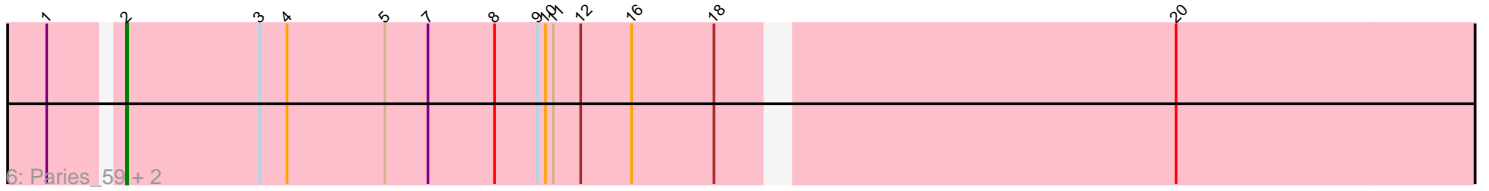
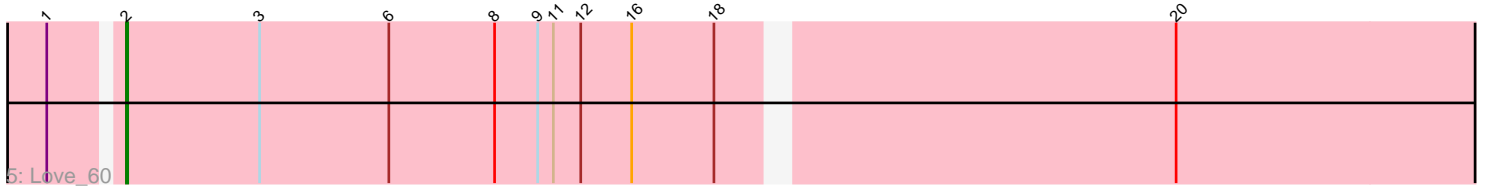
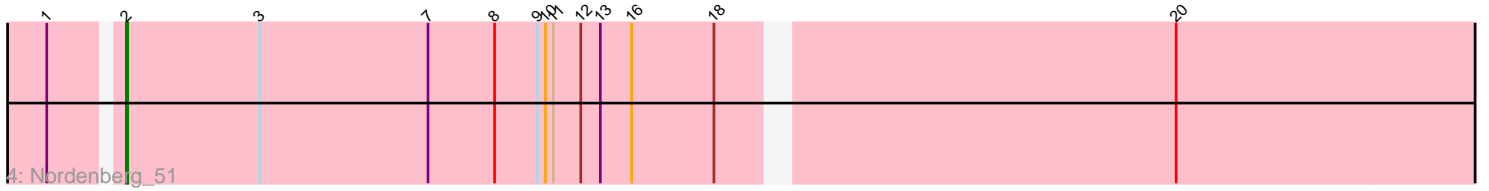
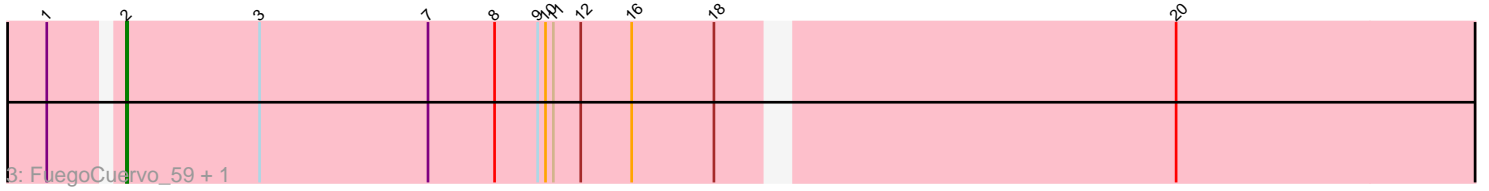
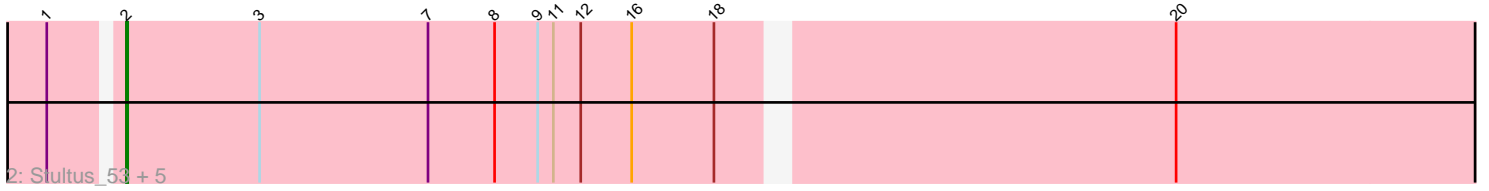
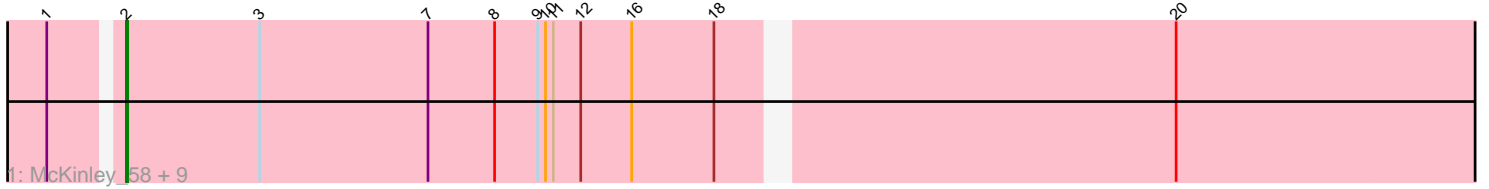


Pham 311955



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 311955 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311955 has 25 members, 1 are drafts.

Phages represented in each track:

- Track 1 : McKinley_58, Kamashten_54, Barsten_56, Sanjuju_54, Thing3_54, Kewpiedoll_56, Geodirt_54, Ailee_52, BobBob_54, ChadMasterC_56
- Track 2 : Stultus_53, Keitabear_55, Shivanishola_55, Angelicage_53, Affeca_53, Sedona_55
- Track 3 : FuegoCuervo_59, MoontowerMania_55
- Track 4 : Nordenberg_51
- Track 5 : Love_60
- Track 6 : Paries_59, McCrothy_56, Galadriel_56
- Track 7 : Fitzgerald_54
- Track 8 : Eyre_57

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

The start number called the most often in the published annotations is 2, it was called in 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Affeca_53, Ailee_52, Angelicage_53, Barsten_56, BobBob_54, ChadMasterC_56, Eyre_57, Fitzgerald_54, FuegoCuervo_59, Galadriel_56, Geodirt_54, Kamashten_54, Keitabear_55, Kewpiedoll_56, Love_60, McCrothy_56, McKinley_58, MoontowerMania_55, Nordenberg_51, Paries_59, Sanjuju_54, Sedona_55, Shivanishola_55, Stultus_53, Thing3_54,

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 2:

- Found in 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 24 of 24

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Affeca_53 (DE1), Ailee_52 (DE1), Angelicage_53 (DE1), Barsten_56 (DE1), BobBob_54 (DE1), ChadMasterC_56 (DE1), Eyre_57 (singleton), Fitzgerald_54 (DE1), FuegoCuervo_59 (DE1), Galadriel_56 (DE1), Geodirt_54 (DE1), Kamashten_54 (DE1), Keitabear_55 (DE1), Kewpiedoll_56 (DE1), Love_60 (DE1), McCrothy_56 (DE1), McKinley_58 (DE1), MoontowerMania_55 (DE1), Nordenberg_51 (DE1), Paries_59 (DE1), Sanjuju_54 (DE1), Sedona_55 (DE1), Shivanishola_55 (DE1), Stultus_53 (DE1), Thing3_54 (DE1),

Summary by clusters:

There are 2 clusters represented in this pham: DE1, singleton,

Info for manual annotations of cluster DE1:

- Start number 2 was manually annotated 23 times for cluster DE1.

Gene Information:

Gene: Affeca_53 Start: 44749, Stop: 45861, Start Num: 2

Candidate Starts for Affeca_53:

(1, 44701), (Start: 2 @44749 has 24 MA's), (3, 44851), (7, 44980), (8, 45031), (9, 45064), (11, 45076), (12, 45097), (16, 45136), (18, 45199), (20, 45529),

Gene: Ailee_52 Start: 44357, Stop: 45469, Start Num: 2

Candidate Starts for Ailee_52:

(1, 44309), (Start: 2 @44357 has 24 MA's), (3, 44459), (7, 44588), (8, 44639), (9, 44672), (10, 44678), (11, 44684), (12, 44705), (16, 44744), (18, 44807), (20, 45137),

Gene: Angelicage_53 Start: 45164, Stop: 46276, Start Num: 2

Candidate Starts for Angelicage_53:

(1, 45116), (Start: 2 @45164 has 24 MA's), (3, 45266), (7, 45395), (8, 45446), (9, 45479), (11, 45491), (12, 45512), (16, 45551), (18, 45614), (20, 45944),

Gene: Barsten_56 Start: 45120, Stop: 46232, Start Num: 2

Candidate Starts for Barsten_56:

(1, 45072), (Start: 2 @45120 has 24 MA's), (3, 45222), (7, 45351), (8, 45402), (9, 45435), (10, 45441), (11, 45447), (12, 45468), (16, 45507), (18, 45570), (20, 45900),

Gene: BobBob_54 Start: 44347, Stop: 45459, Start Num: 2

Candidate Starts for BobBob_54:

(1, 44299), (Start: 2 @44347 has 24 MA's), (3, 44449), (7, 44578), (8, 44629), (9, 44662), (10, 44668), (11, 44674), (12, 44695), (16, 44734), (18, 44797), (20, 45127),

Gene: ChadMasterC_56 Start: 46519, Stop: 47631, Start Num: 2

Candidate Starts for ChadMasterC_56:

(1, 46471), (Start: 2 @46519 has 24 MA's), (3, 46621), (7, 46750), (8, 46801), (9, 46834), (10, 46840), (11, 46846), (12, 46867), (16, 46906), (18, 46969), (20, 47299),

Gene: Eyre_57 Start: 37034, Stop: 38122, Start Num: 2

Candidate Starts for Eyre_57:

(1, 36974), (Start: 2 @37034 has 24 MA's), (3, 37136), (4, 37157), (8, 37316), (9, 37349), (10, 37355), (11, 37361), (12, 37382), (14, 37406), (15, 37412), (17, 37451), (19, 37736), (21, 37811), (22, 37973),

Gene: Fitzgerald_54 Start: 45786, Stop: 46898, Start Num: 2

Candidate Starts for Fitzgerald_54:

(1, 45738), (Start: 2 @45786 has 24 MA's), (3, 45888), (7, 46017), (8, 46068), (9, 46101), (11, 46113), (12, 46134), (16, 46173), (18, 46236), (20, 46566),

Gene: FuegoCuervo_59 Start: 44390, Stop: 45502, Start Num: 2

Candidate Starts for FuegoCuervo_59:

(1, 44342), (Start: 2 @44390 has 24 MA's), (3, 44492), (7, 44621), (8, 44672), (9, 44705), (10, 44711), (11, 44717), (12, 44738), (16, 44777), (18, 44840), (20, 45170),

Gene: Galadriel_56 Start: 45249, Stop: 46361, Start Num: 2

Candidate Starts for Galadriel_56:

(1, 45201), (Start: 2 @45249 has 24 MA's), (3, 45351), (4, 45372), (5, 45447), (7, 45480), (8, 45531), (9, 45564), (10, 45570), (11, 45576), (12, 45597), (16, 45636), (18, 45699), (20, 46029),

Gene: Geodirt_54 Start: 45868, Stop: 46980, Start Num: 2

Candidate Starts for Geodirt_54:

(1, 45820), (Start: 2 @45868 has 24 MA's), (3, 45970), (7, 46099), (8, 46150), (9, 46183), (10, 46189), (11, 46195), (12, 46216), (16, 46255), (18, 46318), (20, 46648),

Gene: Kamashten_54 Start: 44460, Stop: 45572, Start Num: 2

Candidate Starts for Kamashten_54:

(1, 44412), (Start: 2 @44460 has 24 MA's), (3, 44562), (7, 44691), (8, 44742), (9, 44775), (10, 44781), (11, 44787), (12, 44808), (16, 44847), (18, 44910), (20, 45240),

Gene: Keitabear_55 Start: 45979, Stop: 47091, Start Num: 2

Candidate Starts for Keitabear_55:

(1, 45931), (Start: 2 @45979 has 24 MA's), (3, 46081), (7, 46210), (8, 46261), (9, 46294), (11, 46306), (12, 46327), (16, 46366), (18, 46429), (20, 46759),

Gene: Kewpiedoll_56 Start: 45411, Stop: 46523, Start Num: 2

Candidate Starts for Kewpiedoll_56:

(1, 45363), (Start: 2 @45411 has 24 MA's), (3, 45513), (7, 45642), (8, 45693), (9, 45726), (10, 45732), (11, 45738), (12, 45759), (16, 45798), (18, 45861), (20, 46191),

Gene: Love_60 Start: 46689, Stop: 47801, Start Num: 2

Candidate Starts for Love_60:

(1, 46641), (Start: 2 @46689 has 24 MA's), (3, 46791), (6, 46890), (8, 46971), (9, 47004), (11, 47016), (12, 47037), (16, 47076), (18, 47139), (20, 47469),

Gene: McCrothy_56 Start: 45819, Stop: 46931, Start Num: 2

Candidate Starts for McCrothy_56:

(1, 45771), (Start: 2 @45819 has 24 MA's), (3, 45921), (4, 45942), (5, 46017), (7, 46050), (8, 46101), (9, 46134), (10, 46140), (11, 46146), (12, 46167), (16, 46206), (18, 46269), (20, 46599),

Gene: McKinley_58 Start: 45817, Stop: 46929, Start Num: 2

Candidate Starts for McKinley_58:

(1, 45769), (Start: 2 @45817 has 24 MA's), (3, 45919), (7, 46048), (8, 46099), (9, 46132), (10, 46138), (11, 46144), (12, 46165), (16, 46204), (18, 46267), (20, 46597),

Gene: MoontowerMania_55 Start: 45694, Stop: 46806, Start Num: 2

Candidate Starts for MoontowerMania_55:

(1, 45646), (Start: 2 @45694 has 24 MA's), (3, 45796), (7, 45925), (8, 45976), (9, 46009), (10, 46015), (11, 46021), (12, 46042), (16, 46081), (18, 46144), (20, 46474),

Gene: Nordenberg_51 Start: 44599, Stop: 45711, Start Num: 2

Candidate Starts for Nordenberg_51:

(1, 44551), (Start: 2 @44599 has 24 MA's), (3, 44701), (7, 44830), (8, 44881), (9, 44914), (10, 44920), (11, 44926), (12, 44947), (13, 44962), (16, 44986), (18, 45049), (20, 45379),

Gene: Paries_59 Start: 46076, Stop: 47188, Start Num: 2

Candidate Starts for Paries_59:

(1, 46028), (Start: 2 @46076 has 24 MA's), (3, 46178), (4, 46199), (5, 46274), (7, 46307), (8, 46358), (9, 46391), (10, 46397), (11, 46403), (12, 46424), (16, 46463), (18, 46526), (20, 46856),

Gene: Sanjuju_54 Start: 45919, Stop: 47031, Start Num: 2

Candidate Starts for Sanjuju_54:

(1, 45871), (Start: 2 @45919 has 24 MA's), (3, 46021), (7, 46150), (8, 46201), (9, 46234), (10, 46240), (11, 46246), (12, 46267), (16, 46306), (18, 46369), (20, 46699),

Gene: Sedona_55 Start: 45659, Stop: 46771, Start Num: 2

Candidate Starts for Sedona_55:

(1, 45611), (Start: 2 @45659 has 24 MA's), (3, 45761), (7, 45890), (8, 45941), (9, 45974), (11, 45986), (12, 46007), (16, 46046), (18, 46109), (20, 46439),

Gene: Shivanishola_55 Start: 44380, Stop: 45492, Start Num: 2

Candidate Starts for Shivanishola_55:

(1, 44332), (Start: 2 @44380 has 24 MA's), (3, 44482), (7, 44611), (8, 44662), (9, 44695), (11, 44707), (12, 44728), (16, 44767), (18, 44830), (20, 45160),

Gene: Stultus_53 Start: 44560, Stop: 45672, Start Num: 2

Candidate Starts for Stultus_53:

(1, 44512), (Start: 2 @44560 has 24 MA's), (3, 44662), (7, 44791), (8, 44842), (9, 44875), (11, 44887), (12, 44908), (16, 44947), (18, 45010), (20, 45340),

Gene: Thing3_54 Start: 44460, Stop: 45572, Start Num: 2

Candidate Starts for Thing3_54:

(1, 44412), (Start: 2 @44460 has 24 MA's), (3, 44562), (7, 44691), (8, 44742), (9, 44775), (10, 44781), (11, 44787), (12, 44808), (16, 44847), (18, 44910), (20, 45240),