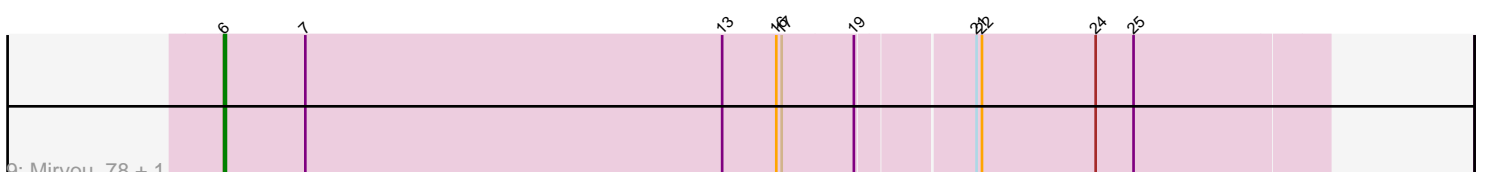
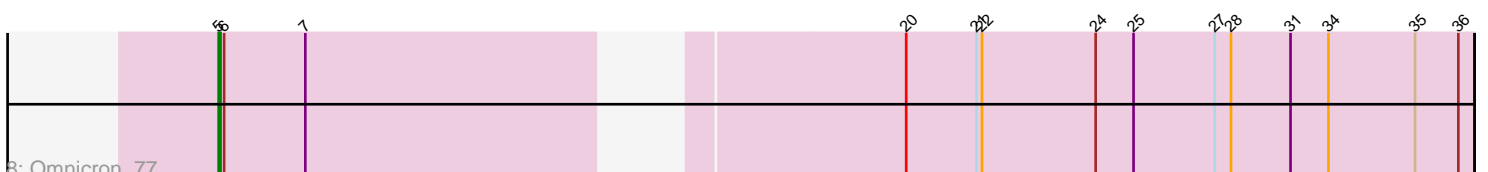
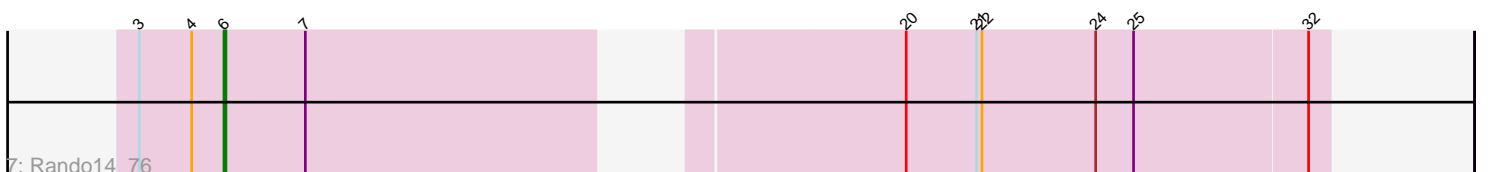
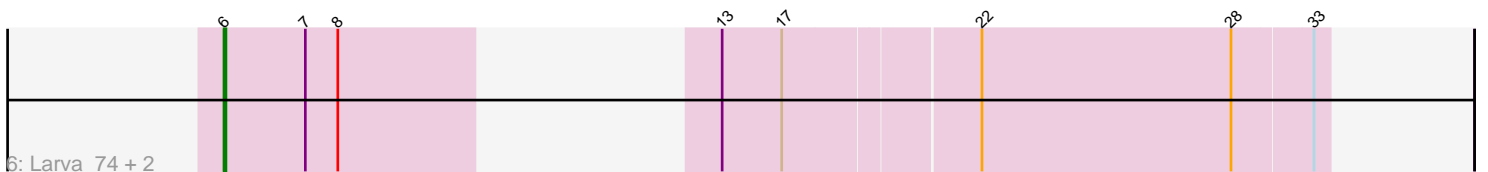
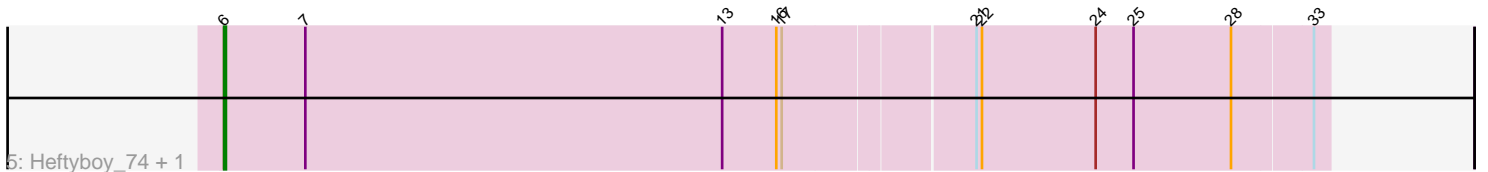
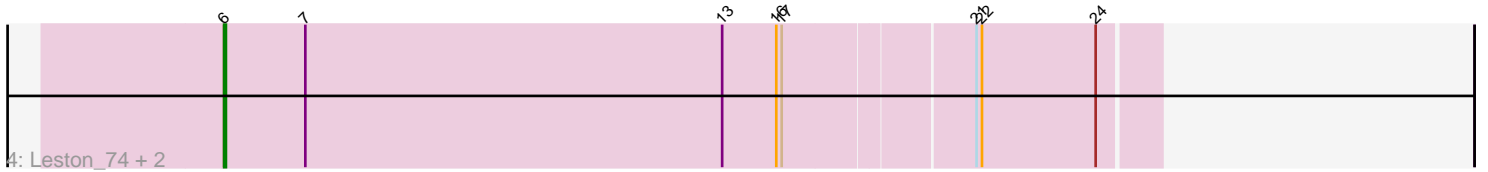
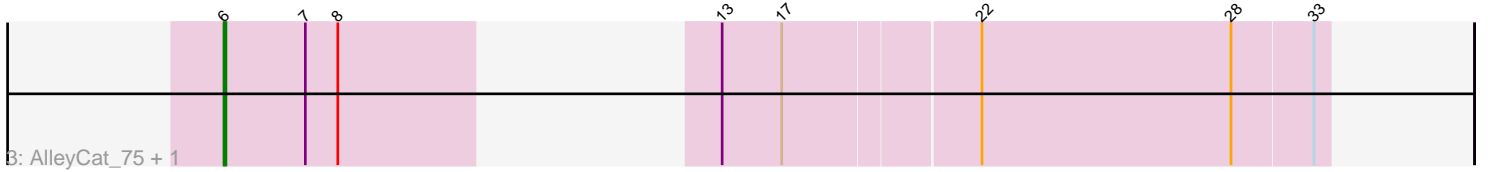
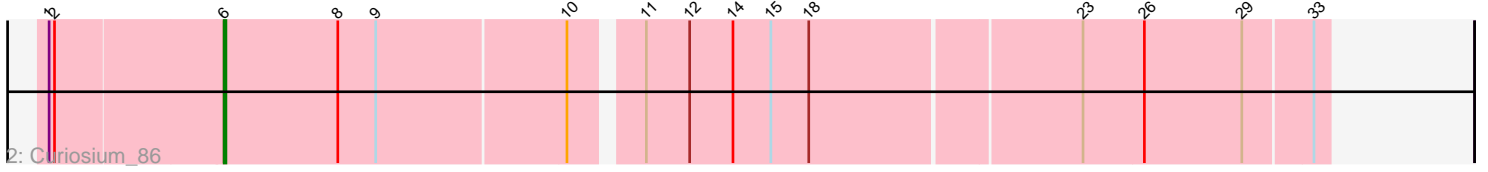
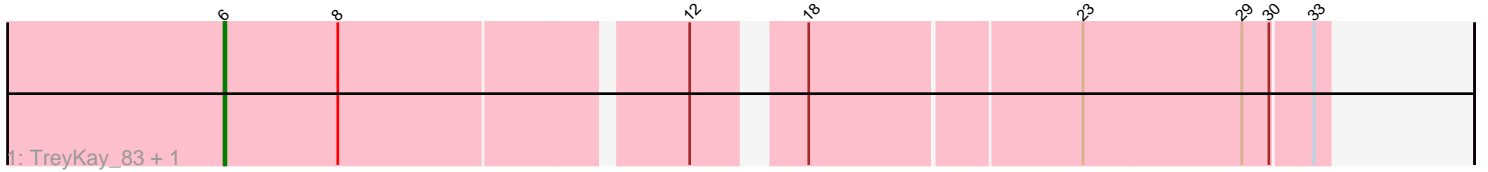


Pham 163988



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 163988 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163988 has 17 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TreyKay_83, Prithvi_83
- Track 2 : Curiosium_86
- Track 3 : AlleyCat_75, Edugator_71
- Track 4 : Leston_74, Guillsminger_75, Paola_74
- Track 5 : Heftyboy_74, SoSeph_74
- Track 6 : Larva_74, Dadosky_75, Psycho_73
- Track 7 : Rando14_76
- Track 8 : Omnicron_77
- Track 9 : Miryou_78, Feyre_76

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

The start number called the most often in the published annotations is 6, it was called in 15 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlleyCat_75, Curiosium_86, Dadosky_75, Edugator_71, Feyre_76, Guillsminger_75, Heftyboy_74, Larva_74, Leston_74, Miryou_78, Paola_74, Prithvi_83, Psycho_73, Rando14_76, SoSeph_74, TreyKay_83,

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

- Omnicron_77,

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

-

Summary by start number:

Start 5:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Omnicron_77 (K5),

Start 6:

- Found in 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 16
- Called 94.1% of time when present
- Phage (with cluster) where this start called: AlleyCat_75 (K5), Curiosium_86 (K1), Dadosky_75 (K5), Edugator_71 (K5), Feyre_76 (K5), Guillsminger_75 (K5), Heftyboy_74 (K5), Larva_74 (K5), Leston_74 (K5), Miryou_78 (K5), Paola_74 (K5), Prithvi_83 (K1), Psycho_73 (K5), Rando14_76 (K5), SoSeph_74 (K5), TreyKay_83 (K1),

Summary by clusters:

There are 2 clusters represented in this pham: K1, K5,

Info for manual annotations of cluster K1:

- Start number 6 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K5:

- Start number 5 was manually annotated 1 time for cluster K5.
- Start number 6 was manually annotated 12 times for cluster K5.

Gene Information:

Gene: AlleyCat_75 Start: 49520, Stop: 50002, Start Num: 6

Candidate Starts for AlleyCat_75:

(Start: 6 @49520 has 15 MA's), (7, 49565), (8, 49583), (13, 49679), (17, 49712), (22, 49814), (28, 49952), (33, 49994),

Gene: Curiosium_86 Start: 52181, Stop: 52765, Start Num: 6

Candidate Starts for Curiosium_86:

(1, 52091), (2, 52094), (Start: 6 @52181 has 15 MA's), (8, 52244), (9, 52265), (10, 52367), (11, 52400), (12, 52424), (14, 52448), (15, 52469), (18, 52490), (23, 52634), (26, 52667), (29, 52721), (33, 52757),

Gene: Dadosky_75 Start: 49521, Stop: 50003, Start Num: 6

Candidate Starts for Dadosky_75:

(Start: 6 @49521 has 15 MA's), (7, 49566), (8, 49584), (13, 49680), (17, 49713), (22, 49815), (28, 49953), (33, 49995),

Gene: Edugator_71 Start: 50692, Stop: 51174, Start Num: 6

Candidate Starts for Edugator_71:

(Start: 6 @50692 has 15 MA's), (7, 50737), (8, 50755), (13, 50851), (17, 50884), (22, 50986), (28, 51124), (33, 51166),

Gene: Feyre_76 Start: 52938, Stop: 53537, Start Num: 6

Candidate Starts for Feyre_76:

(Start: 6 @52938 has 15 MA's), (7, 52983), (13, 53214), (16, 53244), (17, 53247), (19, 53286), (21, 53346), (22, 53349), (24, 53412), (25, 53433),

Gene: Guillsminger_75 Start: 51109, Stop: 51615, Start Num: 6

Candidate Starts for Guillsminger_75:

(Start: 6 @51109 has 15 MA's), (7, 51154), (13, 51385), (16, 51415), (17, 51418), (21, 51517), (22, 51520), (24, 51583),

Gene: Heftyboy_74 Start: 51216, Stop: 51815, Start Num: 6

Candidate Starts for Heftyboy_74:

(Start: 6 @51216 has 15 MA's), (7, 51261), (13, 51492), (16, 51522), (17, 51525), (21, 51624), (22, 51627), (24, 51690), (25, 51711), (28, 51765), (33, 51807),

Gene: Larva_74 Start: 50393, Stop: 50875, Start Num: 6

Candidate Starts for Larva_74:

(Start: 6 @50393 has 15 MA's), (7, 50438), (8, 50456), (13, 50552), (17, 50585), (22, 50687), (28, 50825), (33, 50867),

Gene: Leston_74 Start: 51226, Stop: 51732, Start Num: 6

Candidate Starts for Leston_74:

(Start: 6 @51226 has 15 MA's), (7, 51271), (13, 51502), (16, 51532), (17, 51535), (21, 51634), (22, 51637), (24, 51700),

Gene: Miryou_78 Start: 53605, Stop: 54204, Start Num: 6

Candidate Starts for Miryou_78:

(Start: 6 @53605 has 15 MA's), (7, 53650), (13, 53881), (16, 53911), (17, 53914), (19, 53953), (21, 54013), (22, 54016), (24, 54079), (25, 54100),

Gene: Omnicron_77 Start: 52284, Stop: 52922, Start Num: 5

Candidate Starts for Omnicron_77:

(Start: 5 @52284 has 1 MA's), (Start: 6 @52287 has 15 MA's), (7, 52332), (20, 52608), (21, 52647), (22, 52650), (24, 52713), (25, 52734), (27, 52779), (28, 52788), (31, 52821), (34, 52842), (35, 52890), (36, 52914),

Gene: Paola_74 Start: 51109, Stop: 51615, Start Num: 6

Candidate Starts for Paola_74:

(Start: 6 @51109 has 15 MA's), (7, 51154), (13, 51385), (16, 51415), (17, 51418), (21, 51517), (22, 51520), (24, 51583),

Gene: Prithvi_83 Start: 52889, Stop: 53455, Start Num: 6

Candidate Starts for Prithvi_83:

(Start: 6 @52889 has 15 MA's), (8, 52952), (12, 53132), (18, 53180), (23, 53324), (29, 53411), (30, 53426), (33, 53447),

Gene: Psycho_73 Start: 49518, Stop: 50000, Start Num: 6

Candidate Starts for Psycho_73:

(Start: 6 @49518 has 15 MA's), (7, 49563), (8, 49581), (13, 49677), (17, 49710), (22, 49812), (28, 49950), (33, 49992),

Gene: Rando14_76 Start: 50969, Stop: 51520, Start Num: 6

Candidate Starts for Rando14_76:

(3, 50924), (4, 50951), (Start: 6 @50969 has 15 MA's), (7, 51014), (20, 51290), (21, 51329), (22, 51332), (24, 51395), (25, 51416), (32, 51509),

Gene: SoSeph_74 Start: 51216, Stop: 51815, Start Num: 6

Candidate Starts for SoSeph_74:

(Start: 6 @51216 has 15 MA's), (7, 51261), (13, 51492), (16, 51522), (17, 51525), (21, 51624), (22, 51627), (24, 51690), (25, 51711), (28, 51765), (33, 51807),

Gene: TreyKay_83 Start: 52889, Stop: 53455, Start Num: 6

Candidate Starts for TreyKay_83:

(Start: 6 @52889 has 15 MA's), (8, 52952), (12, 53132), (18, 53180), (23, 53324), (29, 53411), (30, 53426), (33, 53447),