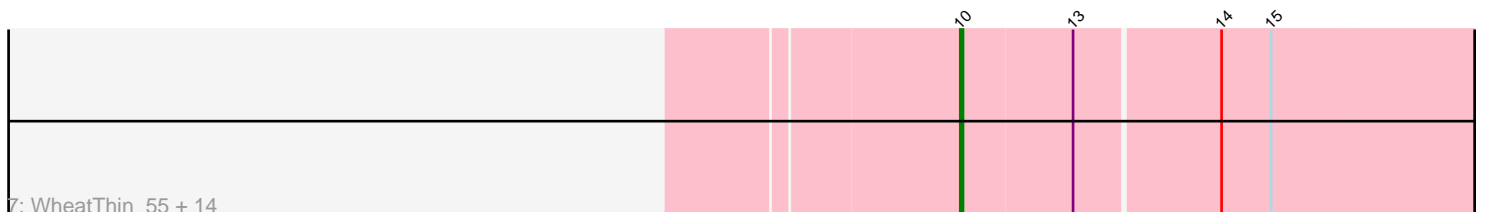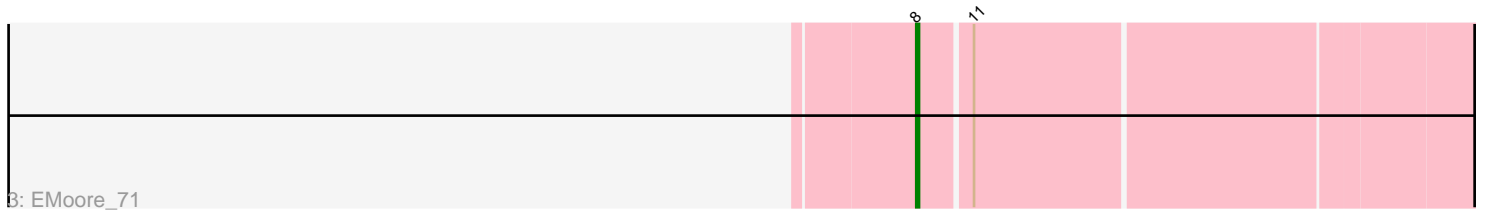# Pham 156621

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 156621 Report

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

Pham number 156621 has 24 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Phinally_73, Leonard_73, Hans_74, Inspectinfecti_74
• Track 2 : Ali17_70
• Track 3 : EMoore_71
• Track 4 : MelBins_75
• Track 5 : Phauci_65
• Track 6 : Tardus_74
• Track 7 : WheatThin_55, Parada_56, Nadeem_56, Chop_57, Brylie_56, Bock_57, Hamood_57, Francois_56, Mulch_56, Ayotoya_57, Pimento_59, NancyRae_55, BetterKatz_56, GrandSlam_57, DelRio_57

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

The start number called the most often in the published annotations is 10, it was called in 13 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ayotoya_57, BetterKatz_56, Bock_57, Brylie_56, Chop_57, DelRio_57, Francois_56, GrandSlam_57, Hamood_57, Mulch_56, Nadeem_56, NancyRae_55, Parada_56, Pimento_59, WheatThin_55,

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

Genes that do not have the "Most Annotated" start:
• Ali17_70, EMoore_71, Hans_74, Inspectinfecti_74, Leonard_73, MelBins_75, Phauci_65, Phinally_73, Tardus_74,

Summary by start number:

Start 8:
• Found in 8 of 24 (33.3%) of genes in pham
• Manual Annotations of this start: 7 of 21
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Ali17_70 (DE2), EMoore_71 (DE2), Hans_74 (DE2), Inspectinfecti_74 (DE2), Leonard_73 (DE2), MelBins_75 (DE2), Phauci_65 (DE2), Phinally_73 (DE2),

Start 9:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tardus_74 (DE4),

Start 10:
• Found in 15 of 24 (62.5%) of genes in pham
• Manual Annotations of this start: 13 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ayotoya_57 (DI), BetterKatz_56 (DI), Bock_57 (DI), Brylie_56 (DI), Chop_57 (DI), DelRio_57 (DI), Francois_56 (DI), GrandSlam_57 (DI), Hamood_57 (DI), Mulch_56 (DI), Nadeem_56 (DI), NancyRae_55 (DI), Parada_56 (DI), Pimento_59 (DI), WheatThin_55 (DI),

Summary by clusters:

There are 3 clusters represented in this pham: DE2, DE4, DI,

Info for manual annotations of cluster DE2:
•Start number 8 was manually annotated 7 times for cluster DE2.

Info for manual annotations of cluster DE4:
•Start number 9 was manually annotated 1 time for cluster DE4.

Info for manual annotations of cluster DI:
•Start number 10 was manually annotated 13 times for cluster DI.

Gene Information:
Gene: Ali17_70 Start: 52881, Stop: 53075, Start Num: 8
Candidate Starts for Ali17_70:
(4, 52686), (6, 52752), (Start: 8 @52881 has 7 MA's), (12, 52905), (13, 52938),

Gene: Ayotoya_57 Start: 39666, Stop: 39851, Start Num: 10
Candidate Starts for Ayotoya_57:
(Start: 10 @39666 has 13 MA's), (13, 39705), (14, 39756), (15, 39774),

Gene: BetterKatz_56 Start: 38865, Stop: 39053, Start Num: 10
Candidate Starts for BetterKatz_56:
(Start: 10 @38865 has 13 MA's), (13, 38904), (14, 38955), (15, 38973),

Gene: Bock_57 Start: 38898, Stop: 39083, Start Num: 10
Candidate Starts for Bock_57:
(Start: 10 @38898 has 13 MA's), (13, 38937), (14, 38988), (15, 39006),

Gene: Brylie_56 Start: 38646, Stop: 38834, Start Num: 10

Candidate Starts for Brylie_56:
(Start: 10 @38646 has 13 MA's), (13, 38685), (14, 38736), (15, 38754),

Gene: Chop_57 Start: 39417, Stop: 39602, Start Num: 10
Candidate Starts for Chop_57:
(Start: 10 @39417 has 13 MA's), (13, 39456), (14, 39507), (15, 39525),

Gene: DelRio_57 Start: 39828, Stop: 40013, Start Num: 10
Candidate Starts for DelRio_57:
(Start: 10 @39828 has 13 MA's), (13, 39867), (14, 39918), (15, 39936),

Gene: EMoore_71 Start: 54322, Stop: 54513, Start Num: 8
Candidate Starts for EMoore_71:
(Start: 8 @54322 has 7 MA's), (11, 54340),

Gene: Francois_56 Start: 38904, Stop: 39092, Start Num: 10
Candidate Starts for Francois_56:
(Start: 10 @38904 has 13 MA's), (13, 38943), (14, 38994), (15, 39012),

Gene: GrandSlam_57 Start: 39417, Stop: 39602, Start Num: 10
Candidate Starts for GrandSlam_57:
(Start: 10 @39417 has 13 MA's), (13, 39456), (14, 39507), (15, 39525),

Gene: Hamood_57 Start: 39417, Stop: 39602, Start Num: 10
Candidate Starts for Hamood_57:
(Start: 10 @39417 has 13 MA's), (13, 39456), (14, 39507), (15, 39525),

Gene: Hans_74 Start: 53754, Stop: 53948, Start Num: 8
Candidate Starts for Hans_74:
(6, 53625), (Start: 8 @53754 has 7 MA's), (12, 53778),

Gene: Inspectinfecti_74 Start: 53728, Stop: 53922, Start Num: 8
Candidate Starts for Inspectinfecti_74:
(6, 53599), (Start: 8 @53728 has 7 MA's), (12, 53752),

Gene: Leonard_73 Start: 53791, Stop: 53985, Start Num: 8
Candidate Starts for Leonard_73:
(6, 53662), (Start: 8 @53791 has 7 MA's), (12, 53815),

Gene: MelBins_75 Start: 53996, Stop: 54190, Start Num: 8
Candidate Starts for MelBins_75:
(Start: 8 @53996 has 7 MA's), (12, 54020),

Gene: Mulch_56 Start: 38646, Stop: 38834, Start Num: 10
Candidate Starts for Mulch_56:
(Start: 10 @38646 has 13 MA's), (13, 38685), (14, 38736), (15, 38754),

Gene: Nadeem_56 Start: 38634, Stop: 38822, Start Num: 10
Candidate Starts for Nadeem_56:
(Start: 10 @38634 has 13 MA's), (13, 38673), (14, 38724), (15, 38742),

Gene: NancyRae_55 Start: 38632, Stop: 38817, Start Num: 10
Candidate Starts for NancyRae_55:

(Start: 10 @38632 has 13 MA's), (13, 38671), (14, 38722), (15, 38740),

Gene: Parada_56 Start: 38646, Stop: 38834, Start Num: 10
Candidate Starts for Parada_56:
(Start: 10 @38646 has 13 MA's), (13, 38685), (14, 38736), (15, 38754),

Gene: Phauci_65 Start: 50831, Stop: 51025, Start Num: 8
Candidate Starts for Phauci_65:
(6, 50702), (Start: 8 @50831 has 7 MA's), (12, 50855), (13, 50888),

Gene: Phinally_73 Start: 53788, Stop: 53982, Start Num: 8
Candidate Starts for Phinally_73:
(6, 53659), (Start: 8 @53788 has 7 MA's), (12, 53812),

Gene: Pimento_59 Start: 38545, Stop: 38730, Start Num: 10
Candidate Starts for Pimento_59:
(Start: 10 @38545 has 13 MA's), (13, 38584), (14, 38635), (15, 38653),

Gene: Tardus_74 Start: 54330, Stop: 54548, Start Num: 9
Candidate Starts for Tardus_74:
(1, 54027), (2, 54036), (3, 54042), (5, 54171), (7, 54207), (Start: 9 @54330 has 1 MA's), (14, 54438),
(16, 54498),

Gene: WheatThin_55 Start: 38634, Stop: 38822, Start Num: 10
Candidate Starts for WheatThin_55:
(Start: 10 @38634 has 13 MA's), (13, 38673), (14, 38724), (15, 38742),