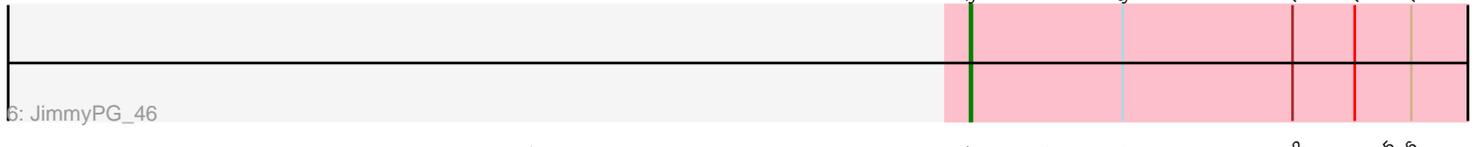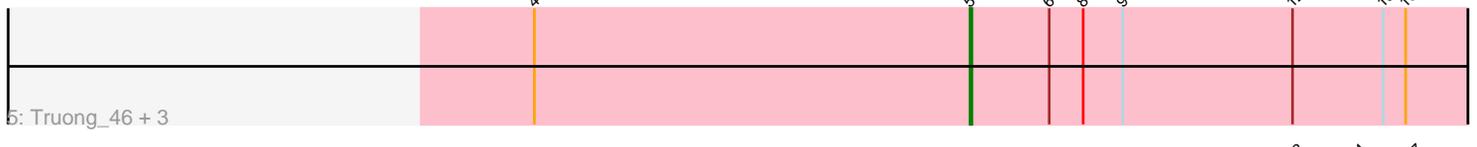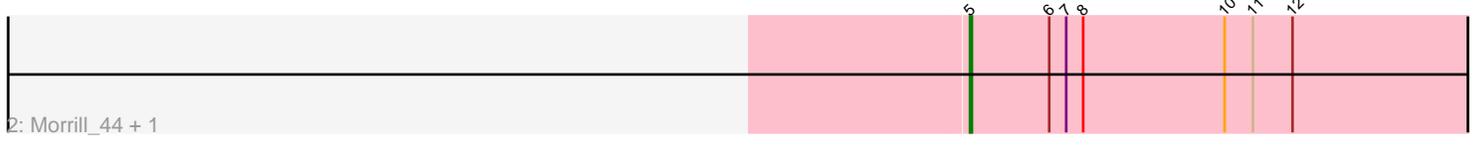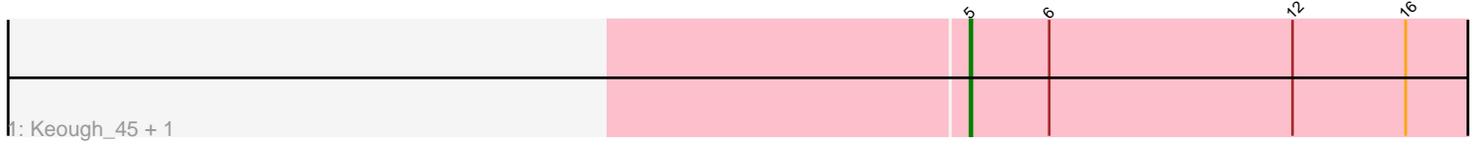# Pham 284106

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 284106 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284106 has 26 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Keough_45, Mazun_47
• Track 2 : Morrill_44, ThirteenKH_46
• Track 3 : PhriedRice_47, Astartes_46, RicoCaldo_46, Moleficent_46, Fullmetal_46
• Track 4 : JordanFarm_48, Ashton_47, SoilSleuth_48, Waterlily_49
• Track 5 : Truong_46, ShyRosie_46, Barroma_45, Akoni_46
• Track 6 : JimmyPG_46
• Track 7 : AloeVera_47
• Track 8 : Pharky_46, Phractured_46, Phedro_46, StagePhright_46
• Track 9 : Yafa_47
• Track 10 : Atraxi_44
• Track 11 : TrippleS_45

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

The start number called the most often in the published annotations is 5, it was called in 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akoni_46, AloeVera_47, Ashton_47, Astartes_46, Atraxi_44, Barroma_45, Fullmetal_46, JimmyPG_46, JordanFarm_48, Keough_45, Mazun_47, Moleficent_46, Morrill_44, Pharky_46, Phedro_46, Phractured_46, PhriedRice_47, RicoCaldo_46, ShyRosie_46, SoilSleuth_48, StagePhright_46, ThirteenKH_46, TrippleS_45, Truong_46, Waterlily_49, Yafa_47,

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 5:
• Found in 26 of 26 (100.0%) of genes in pham

• Manual Annotations of this start: 21 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Akoni_46 (EK2), AloeVera_47 (EK2), Ashton_47 (EK2), Astartes_46 (EK2), Atraxi_44 (EK2), Barroma_45 (EK2), Fullmetal_46 (EK2), JimmyPG_46 (EK2), JordanFarm_48 (EK2), Keough_45 (EK2), Mazun_47 (EK2), Moleficent_46 (EK2), Morrill_44 (EK2), Pharky_46 (EK2), Phedro_46 (EK2), Phractured_46 (EK2), PhriedRice_47 (EK2), RicoCaldo_46 (EK2), ShyRosie_46 (EK2), SoilSleuth_48 (EK2), StagePhright_46 (EK2), ThirteenKH_46 (EK2), TrippleS_45 (EK2), Truong_46 (EK2), Waterlily_49 (EK2), Yafa_47 (EK2),

Summary by clusters:

There is one cluster represented in this pham: EK2

Info for manual annotations of cluster EK2:
•Start number 5 was manually annotated 21 times for cluster EK2.

Gene Information:

Gene: Akoni_46 Start: 47955, Stop: 48233, Start Num: 5
Candidate Starts for Akoni_46:
(4, 47724), (Start: 5 @47955 has 21 MA's), (6, 47997), (8, 48015), (9, 48036), (12, 48126), (15, 48174), (16, 48186),

Gene: AloeVera_47 Start: 48168, Stop: 48446, Start Num: 5
Candidate Starts for AloeVera_47:
(4, 47937), (Start: 5 @48168 has 21 MA's), (6, 48210), (8, 48228), (9, 48249), (12, 48339), (15, 48387), (16, 48399),

Gene: Ashton_47 Start: 48167, Stop: 48445, Start Num: 5
Candidate Starts for Ashton_47:
(Start: 5 @48167 has 21 MA's), (6, 48209), (8, 48227), (9, 48248), (12, 48338), (15, 48386), (16, 48398),

Gene: Astartes_46 Start: 47708, Stop: 47983, Start Num: 5
Candidate Starts for Astartes_46:
(Start: 5 @47708 has 21 MA's), (6, 47750), (12, 47879), (13, 47909), (16, 47939), (17, 47942),

Gene: Atraxi_44 Start: 47500, Stop: 47775, Start Num: 5
Candidate Starts for Atraxi_44:
(1, 46999), (2, 47047), (3, 47104), (4, 47272), (Start: 5 @47500 has 21 MA's), (6, 47542), (7, 47551), (8, 47560), (10, 47635), (11, 47650), (12, 47671),

Gene: Barroma_45 Start: 47957, Stop: 48235, Start Num: 5
Candidate Starts for Barroma_45:
(4, 47726), (Start: 5 @47957 has 21 MA's), (6, 47999), (8, 48017), (9, 48038), (12, 48128), (15, 48176), (16, 48188),

Gene: Fullmetal_46 Start: 48043, Stop: 48318, Start Num: 5
Candidate Starts for Fullmetal_46:
(Start: 5 @48043 has 21 MA's), (6, 48085), (12, 48214), (13, 48244), (16, 48274), (17, 48277),

Gene: JimmyPG_46 Start: 48402, Stop: 48677, Start Num: 5
Candidate Starts for JimmyPG_46:
(Start: 5 @48402 has 21 MA's), (9, 48483), (12, 48573), (14, 48606), (17, 48636),

Gene: JordanFarm_48 Start: 48168, Stop: 48446, Start Num: 5
Candidate Starts for JordanFarm_48:
(Start: 5 @48168 has 21 MA's), (6, 48210), (8, 48228), (9, 48249), (12, 48339), (15, 48387), (16, 48399),

Gene: Keough_45 Start: 47839, Stop: 48114, Start Num: 5
Candidate Starts for Keough_45:
(Start: 5 @47839 has 21 MA's), (6, 47881), (12, 48010), (16, 48070),

Gene: Mazun_47 Start: 48446, Stop: 48721, Start Num: 5
Candidate Starts for Mazun_47:
(Start: 5 @48446 has 21 MA's), (6, 48488), (12, 48617), (16, 48677),

Gene: Moleficent_46 Start: 48050, Stop: 48325, Start Num: 5
Candidate Starts for Moleficent_46:
(Start: 5 @48050 has 21 MA's), (6, 48092), (12, 48221), (13, 48251), (16, 48281), (17, 48284),

Gene: Morrill_44 Start: 47480, Stop: 47755, Start Num: 5
Candidate Starts for Morrill_44:
(Start: 5 @47480 has 21 MA's), (6, 47522), (7, 47531), (8, 47540), (10, 47615), (11, 47630), (12, 47651),

Gene: Pharky_46 Start: 48046, Stop: 48321, Start Num: 5
Candidate Starts for Pharky_46:
(Start: 5 @48046 has 21 MA's), (6, 48088), (12, 48217), (13, 48247), (16, 48277),

Gene: Phedro_46 Start: 48046, Stop: 48321, Start Num: 5
Candidate Starts for Phedro_46:
(Start: 5 @48046 has 21 MA's), (6, 48088), (12, 48217), (13, 48247), (16, 48277),

Gene: Phractured_46 Start: 48046, Stop: 48321, Start Num: 5
Candidate Starts for Phractured_46:
(Start: 5 @48046 has 21 MA's), (6, 48088), (12, 48217), (13, 48247), (16, 48277),

Gene: PhriedRice_47 Start: 48150, Stop: 48425, Start Num: 5
Candidate Starts for PhriedRice_47:
(Start: 5 @48150 has 21 MA's), (6, 48192), (12, 48321), (13, 48351), (16, 48381), (17, 48384),

Gene: RicoCaldo_46 Start: 48128, Stop: 48403, Start Num: 5
Candidate Starts for RicoCaldo_46:
(Start: 5 @48128 has 21 MA's), (6, 48170), (12, 48299), (13, 48329), (16, 48359), (17, 48362),

Gene: ShyRosie_46 Start: 48177, Stop: 48455, Start Num: 5
Candidate Starts for ShyRosie_46:
(4, 47946), (Start: 5 @48177 has 21 MA's), (6, 48219), (8, 48237), (9, 48258), (12, 48348), (15, 48396), (16, 48408),

Gene: SoilSleuth_48 Start: 47999, Stop: 48277, Start Num: 5

Candidate Starts for SoilSleuth_48:
(Start: 5 @47999 has 21 MA's), (6, 48041), (8, 48059), (9, 48080), (12, 48170), (15, 48218), (16, 48230),

Gene: StagePhright_46 Start: 48046, Stop: 48321, Start Num: 5
Candidate Starts for StagePhright_46:
(Start: 5 @48046 has 21 MA's), (6, 48088), (12, 48217), (13, 48247), (16, 48277),

Gene: ThirteenKH_46 Start: 47490, Stop: 47765, Start Num: 5
Candidate Starts for ThirteenKH_46:
(Start: 5 @47490 has 21 MA's), (6, 47532), (7, 47541), (8, 47550), (10, 47625), (11, 47640), (12, 47661),

Gene: TrippleS_45 Start: 47639, Stop: 47914, Start Num: 5
Candidate Starts for TrippleS_45:
(Start: 5 @47639 has 21 MA's), (6, 47681), (8, 47699), (10, 47774), (11, 47789), (12, 47810),

Gene: Truong_46 Start: 47957, Stop: 48235, Start Num: 5
Candidate Starts for Truong_46:
(4, 47726), (Start: 5 @47957 has 21 MA's), (6, 47999), (8, 48017), (9, 48038), (12, 48128), (15, 48176), (16, 48188),

Gene: Waterlily_49 Start: 48208, Stop: 48486, Start Num: 5
Candidate Starts for Waterlily_49:
(Start: 5 @48208 has 21 MA's), (6, 48250), (8, 48268), (9, 48289), (12, 48379), (15, 48427), (16, 48439),

Gene: Yafa_47 Start: 47394, Stop: 47669, Start Num: 5
Candidate Starts for Yafa_47:
(4, 47166), (Start: 5 @47394 has 21 MA's), (6, 47436), (7, 47445), (8, 47454), (10, 47529), (11, 47544), (12, 47565),