

Pham 303443



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 303443 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303443 has 50 members, 17 are drafts.

Phages represented in each track:

- Track 1 : Phaila_69, Navi1117_71
- Track 2 : Altjira_71
- Track 3 : Barbonzobean_75, Biscute_69, Lewando_72, Kinny_72, BarbieDoll_73, Muglass_71
- Track 4 : Stardrop_69, BlackHoleSun_71
- Track 5 : Uzumaki_66, GantcherGoblin_67, Tenney120_70
- Track 6 : Renaldo_77
- Track 7 : Argan_66
- Track 8 : TrixiePhattel_70
- Track 9 : Zeina_71
- Track 10 : Leathea_69
- Track 11 : KevinMinion_67
- Track 12 : PoeMe_69
- Track 13 : Mardi_69
- Track 14 : Salk_65, Spain_65, Sloopyjoe_65, Stayer_65, Linda_65, BronxBay_65, StarLord_65, Michelle_65, Shiba_64, Jeremy4pt0_64, MrAaronian_65, DoctorPepper_64, Djungelskog_64
- Track 15 : Onestar_63
- Track 16 : Egad_65, Raunak_66, Boog_64, ProfFrink_65, HerbBucket_63
- Track 17 : Sprinkle_64
- Track 18 : Sporto_64
- Track 19 : PowellDog_67
- Track 20 : Natasha_67
- Track 21 : RustyBoy_68
- Track 22 : Sunny4976_65, Jazzy4900_66
- Track 23 : GermyBearimy_75, Arzan_67

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

The start number called the most often in the published annotations is 11, it was called in 19 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boog_64, BronxBay_65, Djungelskog_64, DoctorPepper_64, Egad_65, HerbBucket_63, Jeremy4pt0_64, Linda_65, Michelle_65, MrAaronian_65, Natasha_67, Onestar_63, PowellDog_67, ProfFrink_65, Raunak_66, RustyBoy_68, Salk_65, Shiba_64, Sloopyjoe_65, Spain_65, Sporto_64, Sprinkle_64, StarLord_65, Stayer_65,

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

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

- Altjira_71, Argan_66, Arzan_67, BarbieDoll_73, Barbonzobean_75, Biscute_69, BlackHoleSun_71, GantcherGoblin_67, GermyBearimy_75, Jazzy4900_66, KevinMinion_67, Kinny_72, Leathea_69, Lewando_72, Mardi_69, Muglass_71, Navi1117_71, Phaila_69, PoeMe_69, Renaldo_77, Stardrop_69, Sunny4976_65, Tenney120_70, TrixiePhattel_70, Uzumaki_66, Zeina_71,

Summary by start number:

Start 10:

- Found in 26 of 50 (52.0%) of genes in pham
- Manual Annotations of this start: 14 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altjira_71 (AU6), Argan_66 (AU6), Arzan_67 (FI), BarbieDoll_73 (AU6), Barbonzobean_75 (AU6), Biscute_69 (AU6), BlackHoleSun_71 (AU6), GantcherGoblin_67 (AU6), GermyBearimy_75 (FI), Jazzy4900_66 (FI), KevinMinion_67 (AU6), Kinny_72 (AU6), Leathea_69 (AU6), Lewando_72 (AU6), Mardi_69 (AU6), Muglass_71 (AU6), Navi1117_71 (AU6), Phaila_69 (AU6), PoeMe_69 (AU6), Renaldo_77 (AU6), Stardrop_69 (AU6), Sunny4976_65 (FI), Tenney120_70 (AU6), TrixiePhattel_70 (AU6), Uzumaki_66 (AU6), Zeina_71 (AU6),

Start 11:

- Found in 24 of 50 (48.0%) of genes in pham
- Manual Annotations of this start: 19 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boog_64 (AW), BronxBay_65 (AW), Djungelskog_64 (AW), DoctorPepper_64 (AW), Egad_65 (AW), HerbBucket_63 (AW), Jeremy4pt0_64 (AW), Linda_65 (AW), Michelle_65 (AW), MrAaronian_65 (AW), Natasha_67 (AW), Onestar_63 (AW), PowellDog_67 (AW), ProfFrink_65 (AW), Raunak_66 (AW), RustyBoy_68 (AW), Salk_65 (AW), Shiba_64 (AW), Sloopyjoe_65 (AW), Spain_65 (AW), Sporto_64 (AW), Sprinkle_64 (AW), StarLord_65 (AW), Stayer_65 (AW),

Summary by clusters:

There are 3 clusters represented in this pham: FI, AW, AU6,

Info for manual annotations of cluster AU6:

- Start number 10 was manually annotated 14 times for cluster AU6.

Info for manual annotations of cluster AW:

- Start number 11 was manually annotated 19 times for cluster AW.

Gene Information:

Gene: Altjira_71 Start: 44527, Stop: 44862, Start Num: 10

Candidate Starts for Altjira_71:

(Start: 10 @44527 has 14 MA's), (14, 44593), (19, 44623), (25, 44698), (26, 44701), (27, 44707), (29, 44767), (30, 44773), (37, 44857),

Gene: Argan_66 Start: 43247, Stop: 43582, Start Num: 10

Candidate Starts for Argan_66:

(Start: 10 @43247 has 14 MA's), (15, 43325), (24, 43412), (26, 43421), (27, 43427), (30, 43493), (37, 43577),

Gene: Arzan_67 Start: 44099, Stop: 44422, Start Num: 10

Candidate Starts for Arzan_67:

(Start: 10 @44099 has 14 MA's), (13, 44147), (19, 44189), (26, 44267), (30, 44339), (36, 44384),

Gene: BarbieDoll_73 Start: 44960, Stop: 45295, Start Num: 10

Candidate Starts for BarbieDoll_73:

(Start: 10 @44960 has 14 MA's), (14, 45026), (15, 45038), (17, 45047), (18, 45050), (23, 45122), (26, 45134), (27, 45140), (30, 45206), (37, 45290),

Gene: Barbonzobean_75 Start: 45208, Stop: 45543, Start Num: 10

Candidate Starts for Barbonzobean_75:

(Start: 10 @45208 has 14 MA's), (14, 45274), (15, 45286), (17, 45295), (18, 45298), (23, 45370), (26, 45382), (27, 45388), (30, 45454), (37, 45538),

Gene: Biscute_69 Start: 44612, Stop: 44947, Start Num: 10

Candidate Starts for Biscute_69:

(Start: 10 @44612 has 14 MA's), (14, 44678), (15, 44690), (17, 44699), (18, 44702), (23, 44774), (26, 44786), (27, 44792), (30, 44858), (37, 44942),

Gene: BlackHoleSun_71 Start: 43365, Stop: 43703, Start Num: 10

Candidate Starts for BlackHoleSun_71:

(Start: 10 @43365 has 14 MA's), (14, 43434), (19, 43464), (23, 43530), (24, 43533), (26, 43542), (30, 43614), (36, 43659), (37, 43698),

Gene: Boog_64 Start: 42243, Stop: 42494, Start Num: 11

Candidate Starts for Boog_64:

(Start: 11 @42243 has 19 MA's), (20, 42330), (22, 42363), (25, 42387), (26, 42390),

Gene: BronxBay_65 Start: 42499, Stop: 42750, Start Num: 11

Candidate Starts for BronxBay_65:

(Start: 11 @42499 has 19 MA's), (20, 42586), (22, 42619), (25, 42643), (26, 42646), (33, 42727),

Gene: Djungelskog_64 Start: 42498, Stop: 42749, Start Num: 11

Candidate Starts for Djungelskog_64:

(Start: 11 @42498 has 19 MA's), (20, 42585), (22, 42618), (25, 42642), (26, 42645), (33, 42726),

Gene: DoctorPepper_64 Start: 42203, Stop: 42454, Start Num: 11

Candidate Starts for DoctorPepper_64:

(Start: 11 @42203 has 19 MA's), (20, 42290), (22, 42323), (25, 42347), (26, 42350), (33, 42431),

Gene: Egad_65 Start: 42494, Stop: 42745, Start Num: 11

Candidate Starts for Egad_65:

(Start: 11 @42494 has 19 MA's), (20, 42581), (22, 42614), (25, 42638), (26, 42641),

Gene: GantcherGoblin_67 Start: 43303, Stop: 43638, Start Num: 10

Candidate Starts for GantcherGoblin_67:

(Start: 10 @43303 has 14 MA's), (15, 43381), (24, 43468), (26, 43477), (27, 43483), (30, 43549), (34, 43585), (36, 43594), (37, 43633),

Gene: GermyBearimy_75 Start: 45669, Stop: 45992, Start Num: 10

Candidate Starts for GermyBearimy_75:

(Start: 10 @45669 has 14 MA's), (13, 45717), (19, 45759), (26, 45837), (30, 45909), (36, 45954),

Gene: HerbBucket_63 Start: 42225, Stop: 42476, Start Num: 11

Candidate Starts for HerbBucket_63:

(Start: 11 @42225 has 19 MA's), (20, 42312), (22, 42345), (25, 42369), (26, 42372),

Gene: Jazzy4900_66 Start: 44859, Stop: 45188, Start Num: 10

Candidate Starts for Jazzy4900_66:

(Start: 10 @44859 has 14 MA's), (19, 44955), (26, 45033),

Gene: Jeremy4pt0_64 Start: 42198, Stop: 42449, Start Num: 11

Candidate Starts for Jeremy4pt0_64:

(Start: 11 @42198 has 19 MA's), (20, 42285), (22, 42318), (25, 42342), (26, 42345), (33, 42426),

Gene: KevinMinion_67 Start: 44198, Stop: 44533, Start Num: 10

Candidate Starts for KevinMinion_67:

(5, 44117), (Start: 10 @44198 has 14 MA's), (14, 44264), (19, 44294), (21, 44324), (25, 44369), (26, 44372), (27, 44378), (30, 44444), (37, 44528),

Gene: Kinny_72 Start: 45440, Stop: 45775, Start Num: 10

Candidate Starts for Kinny_72:

(Start: 10 @45440 has 14 MA's), (14, 45506), (15, 45518), (17, 45527), (18, 45530), (23, 45602), (26, 45614), (27, 45620), (30, 45686), (37, 45770),

Gene: Leathea_69 Start: 43211, Stop: 43540, Start Num: 10

Candidate Starts for Leathea_69:

(Start: 10 @43211 has 14 MA's), (15, 43289), (16, 43295), (20, 43319), (23, 43373), (26, 43385), (27, 43391), (30, 43457), (31, 43460),

Gene: Lewando_72 Start: 45032, Stop: 45367, Start Num: 10

Candidate Starts for Lewando_72:

(Start: 10 @45032 has 14 MA's), (14, 45098), (15, 45110), (17, 45119), (18, 45122), (23, 45194), (26, 45206), (27, 45212), (30, 45278), (37, 45362),

Gene: Linda_65 Start: 42496, Stop: 42747, Start Num: 11

Candidate Starts for Linda_65:

(Start: 11 @42496 has 19 MA's), (20, 42583), (22, 42616), (25, 42640), (26, 42643), (33, 42724),

Gene: Mardi_69 Start: 43768, Stop: 44103, Start Num: 10

Candidate Starts for Mardi_69:

(Start: 10 @43768 has 14 MA's), (14, 43834), (19, 43864), (25, 43939), (26, 43942), (27, 43948), (30, 44014), (37, 44098),

Gene: Michelle_65 Start: 42498, Stop: 42749, Start Num: 11

Candidate Starts for Michelle_65:

(Start: 11 @42498 has 19 MA's), (20, 42585), (22, 42618), (25, 42642), (26, 42645), (33, 42726),

Gene: MrAaronian_65 Start: 42498, Stop: 42749, Start Num: 11

Candidate Starts for MrAaronian_65:

(Start: 11 @42498 has 19 MA's), (20, 42585), (22, 42618), (25, 42642), (26, 42645), (33, 42726),

Gene: Muglass_71 Start: 44516, Stop: 44851, Start Num: 10

Candidate Starts for Muglass_71:

(Start: 10 @44516 has 14 MA's), (14, 44582), (15, 44594), (17, 44603), (18, 44606), (23, 44678), (26, 44690), (27, 44696), (30, 44762), (37, 44846),

Gene: Natasha_67 Start: 42448, Stop: 42690, Start Num: 11

Candidate Starts for Natasha_67:

(Start: 11 @42448 has 19 MA's), (24, 42586), (25, 42592), (26, 42595), (32, 42667),

Gene: Navi1117_71 Start: 44207, Stop: 44542, Start Num: 10

Candidate Starts for Navi1117_71:

(Start: 10 @44207 has 14 MA's), (14, 44273), (19, 44303), (25, 44378), (26, 44381), (27, 44387), (30, 44453), (36, 44498), (37, 44537),

Gene: Onestar_63 Start: 42253, Stop: 42513, Start Num: 11

Candidate Starts for Onestar_63:

(Start: 11 @42253 has 19 MA's), (24, 42391), (26, 42400), (28, 42418),

Gene: Phaila_69 Start: 43433, Stop: 43768, Start Num: 10

Candidate Starts for Phaila_69:

(Start: 10 @43433 has 14 MA's), (14, 43499), (19, 43529), (25, 43604), (26, 43607), (27, 43613), (30, 43679), (36, 43724), (37, 43763),

Gene: PoeMe_69 Start: 43918, Stop: 44256, Start Num: 10

Candidate Starts for PoeMe_69:

(Start: 10 @43918 has 14 MA's), (14, 43987), (19, 44017), (23, 44083), (24, 44086), (30, 44167), (36, 44212), (37, 44251),

Gene: Powelldog_67 Start: 42912, Stop: 43187, Start Num: 11

Candidate Starts for Powelldog_67:

(2, 42711), (Start: 11 @42912 has 19 MA's), (12, 42924), (20, 42999), (26, 43059), (35, 43161),

Gene: ProfFrink_65 Start: 42493, Stop: 42744, Start Num: 11

Candidate Starts for ProfFrink_65:

(Start: 11 @42493 has 19 MA's), (20, 42580), (22, 42613), (25, 42637), (26, 42640),

Gene: Raunak_66 Start: 42154, Stop: 42405, Start Num: 11

Candidate Starts for Raunak_66:

(Start: 11 @42154 has 19 MA's), (20, 42241), (22, 42274), (25, 42298), (26, 42301),

Gene: Renaldo_77 Start: 45398, Stop: 45733, Start Num: 10

Candidate Starts for Renaldo_77:

(Start: 10 @45398 has 14 MA's), (14, 45464), (15, 45476), (17, 45485), (18, 45488), (26, 45572), (27, 45578), (30, 45644), (37, 45728),

Gene: RustyBoy_68 Start: 42647, Stop: 42889, Start Num: 11

Candidate Starts for RustyBoy_68:

(2, 42443), (3, 42479), (Start: 11 @42647 has 19 MA's), (24, 42785), (25, 42791), (26, 42794), (32, 42866),

Gene: Salk_65 Start: 42496, Stop: 42747, Start Num: 11

Candidate Starts for Salk_65:

(Start: 11 @42496 has 19 MA's), (20, 42583), (22, 42616), (25, 42640), (26, 42643), (33, 42724),

Gene: Shiba_64 Start: 42154, Stop: 42405, Start Num: 11

Candidate Starts for Shiba_64:

(Start: 11 @42154 has 19 MA's), (20, 42241), (22, 42274), (25, 42298), (26, 42301), (33, 42382),

Gene: Sloopyjoe_65 Start: 42500, Stop: 42751, Start Num: 11

Candidate Starts for Sloopyjoe_65:

(Start: 11 @42500 has 19 MA's), (20, 42587), (22, 42620), (25, 42644), (26, 42647), (33, 42728),

Gene: Spain_65 Start: 42498, Stop: 42749, Start Num: 11

Candidate Starts for Spain_65:

(Start: 11 @42498 has 19 MA's), (20, 42585), (22, 42618), (25, 42642), (26, 42645), (33, 42726),

Gene: Sporto_64 Start: 43615, Stop: 43866, Start Num: 11

Candidate Starts for Sporto_64:

(Start: 11 @43615 has 19 MA's), (25, 43759), (26, 43762), (33, 43843),

Gene: Sprinkle_64 Start: 42655, Stop: 42927, Start Num: 11

Candidate Starts for Sprinkle_64:

(1, 42430), (4, 42541), (6, 42568), (7, 42571), (8, 42595), (9, 42604), (Start: 11 @42655 has 19 MA's), (20, 42742), (21, 42754), (26, 42802), (32, 42874), (35, 42904),

Gene: StarLord_65 Start: 42493, Stop: 42744, Start Num: 11

Candidate Starts for StarLord_65:

(Start: 11 @42493 has 19 MA's), (20, 42580), (22, 42613), (25, 42637), (26, 42640), (33, 42721),

Gene: Stardrop_69 Start: 44020, Stop: 44358, Start Num: 10

Candidate Starts for Stardrop_69:

(Start: 10 @44020 has 14 MA's), (14, 44089), (19, 44119), (23, 44185), (24, 44188), (26, 44197), (30, 44269), (36, 44314), (37, 44353),

Gene: Stayer_65 Start: 42496, Stop: 42747, Start Num: 11

Candidate Starts for Stayer_65:

(Start: 11 @42496 has 19 MA's), (20, 42583), (22, 42616), (25, 42640), (26, 42643), (33, 42724),

Gene: Sunny4976_65 Start: 44859, Stop: 45188, Start Num: 10

Candidate Starts for Sunny4976_65:

(Start: 10 @44859 has 14 MA's), (19, 44955), (26, 45033),

Gene: Tenney120_70 Start: 43963, Stop: 44298, Start Num: 10

Candidate Starts for Tenney120_70:

(Start: 10 @43963 has 14 MA's), (15, 44041), (24, 44128), (26, 44137), (27, 44143), (30, 44209), (34, 44245), (36, 44254), (37, 44293),

Gene: TrixiePhattel_70 Start: 43595, Stop: 43930, Start Num: 10

Candidate Starts for TrixiePhattel_70:

(Start: 10 @43595 has 14 MA's), (14, 43661), (19, 43691), (25, 43766), (26, 43769), (30, 43841), (37, 43925),

Gene: Uzumaki_66 Start: 43404, Stop: 43739, Start Num: 10

Candidate Starts for Uzumaki_66:

(Start: 10 @43404 has 14 MA's), (15, 43482), (24, 43569), (26, 43578), (27, 43584), (30, 43650), (34, 43686), (36, 43695), (37, 43734),

Gene: Zeina_71 Start: 44101, Stop: 44436, Start Num: 10

Candidate Starts for Zeina_71:

(Start: 10 @44101 has 14 MA's), (14, 44167), (19, 44197), (24, 44266), (25, 44272), (26, 44275), (30, 44347), (37, 44431),