

Pham 311880



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 311880 Report

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

Pham number 311880 has 30 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Albright_37, Cashington_37, Doobus_38, Avocadoman_38
- Track 2 : Johnathan_38, Solea_40, Milomuff_39
- Track 3 : Dismas_37, Kieran_37, ChiliPepper_36, Kamdara_37, Sharkboy_38, Rona_37
- Track 4 : Arroyo_40
- Track 5 : Celaena_37
- Track 6 : TukTuk_40
- Track 7 : Jabb_40, CupcakePrincess_40, Jovita_40, MsUbiquitous_40
- Track 8 : DickRichards_38, CroZenni_39
- Track 9 : Abigail_38, LimaBean_38
- Track 10 : FlameThrower_37
- Track 11 : Bachaco_37
- Track 12 : BabyYoda_40
- Track 13 : Katzastrophic_38
- Track 14 : WalkingDead_41
- Track 15 : PondAmelia_50

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 25 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abigail_38, Albright_37, Arroyo_40, Avocadoman_38, BabyYoda_40, Bachaco_37, Cashington_37, Celaena_37, ChiliPepper_36, CroZenni_39, CupcakePrincess_40, DickRichards_38, Dismas_37, Doobus_38, FlameThrower_37, Jabb_40, Johnathan_38, Jovita_40, Kamdara_37, Katzastrophic_38, Kieran_37, LimaBean_38, Milomuff_39, MsUbiquitous_40, PondAmelia_50, Rona_37, Sharkboy_38, Solea_40, TukTuk_40, WalkingDead_41,

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:

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Summary by start number:

Start 6:

- Found in 30 of 30 (100.0%) of genes in pham
- Manual Annotations of this start: 25 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abigail_38 (EB), Albright_37 (EB), Arroyo_40 (EB), Avocadoman_38 (EB), BabyYoda_40 (EB), Bachaco_37 (EB), Cashington_37 (EB), Celaena_37 (EB), ChiliPepper_36 (EB), CroZenni_39 (EB), CupcakePrincess_40 (EB), DickRichards_38 (EB), Dismas_37 (EB), Doobus_38 (EB), FlameThrower_37 (EB), Jabb_40 (EB), Johnathan_38 (EB), Jovita_40 (EB), Kamdara_37 (EB), Katzastrophic_38 (EB), Kieran_37 (EB), LimaBean_38 (EB), Milomuff_39 (EB), MsUbiquitous_40 (EB), PondAmelia_50 (EB), Rona_37 (EB), Sharkboy_38 (EB), Solea_40 (EB), TukTuk_40 (EB), WalkingDead_41 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

- Start number 6 was manually annotated 25 times for cluster EB.

Gene Information:

Gene: Abigail_38 Start: 25955, Stop: 26224, Start Num: 6

Candidate Starts for Abigail_38:

(4, 25907), (Start: 6 @25955 has 25 MA's), (9, 25991), (10, 25994), (23, 26147), (25, 26183),

Gene: Albright_37 Start: 25657, Stop: 25926, Start Num: 6

Candidate Starts for Albright_37:

(4, 25609), (Start: 6 @25657 has 25 MA's), (9, 25693), (10, 25696), (23, 25849), (25, 25885),

Gene: Arroyo_40 Start: 26818, Stop: 27228, Start Num: 6

Candidate Starts for Arroyo_40:

(Start: 6 @26818 has 25 MA's), (12, 26869), (17, 26908), (20, 26944), (21, 26947), (22, 27007), (23, 27151), (25, 27187),

Gene: Avocadoman_38 Start: 25894, Stop: 26163, Start Num: 6

Candidate Starts for Avocadoman_38:

(4, 25846), (Start: 6 @25894 has 25 MA's), (9, 25930), (10, 25933), (23, 26086), (25, 26122),

Gene: BabyYoda_40 Start: 27560, Stop: 27835, Start Num: 6

Candidate Starts for BabyYoda_40:

(Start: 6 @27560 has 25 MA's), (11, 27602), (12, 27605), (14, 27617), (15, 27620), (23, 27758), (24, 27785),

Gene: Bachaco_37 Start: 27591, Stop: 27851, Start Num: 6

Candidate Starts for Bachaco_37:

(Start: 6 @27591 has 25 MA's), (7, 27597), (8, 27609), (12, 27636), (23, 27765), (25, 27801), (26, 27834),

Gene: Cashington_37 Start: 25697, Stop: 25966, Start Num: 6

Candidate Starts for Cashington_37:

(4, 25649), (Start: 6 @25697 has 25 MA's), (9, 25733), (10, 25736), (23, 25889), (25, 25925),

Gene: Celaena_37 Start: 27333, Stop: 27593, Start Num: 6

Candidate Starts for Celaena_37:

(2, 27180), (Start: 6 @27333 has 25 MA's), (7, 27339), (8, 27351), (12, 27378), (23, 27507), (25, 27543), (26, 27576),

Gene: ChiliPepper_36 Start: 26781, Stop: 27017, Start Num: 6

Candidate Starts for ChiliPepper_36:

(Start: 6 @26781 has 25 MA's), (7, 26787), (8, 26799), (12, 26826), (16, 26847),

Gene: CroZenni_39 Start: 26240, Stop: 26623, Start Num: 6

Candidate Starts for CroZenni_39:

(Start: 6 @26240 has 25 MA's), (9, 26279), (14, 26303), (18, 26339), (19, 26342), (22, 26402), (23, 26546), (25, 26582),

Gene: CupcakePrincess_40 Start: 26541, Stop: 26822, Start Num: 6

Candidate Starts for CupcakePrincess_40:

(Start: 6 @26541 has 25 MA's), (12, 26592), (23, 26745), (25, 26781),

Gene: DickRichards_38 Start: 26679, Stop: 27062, Start Num: 6

Candidate Starts for DickRichards_38:

(Start: 6 @26679 has 25 MA's), (9, 26718), (14, 26742), (18, 26778), (19, 26781), (22, 26841), (23, 26985), (25, 27021),

Gene: Dismas_37 Start: 26952, Stop: 27188, Start Num: 6

Candidate Starts for Dismas_37:

(Start: 6 @26952 has 25 MA's), (7, 26958), (8, 26970), (12, 26997), (16, 27018),

Gene: Doobus_38 Start: 26061, Stop: 26330, Start Num: 6

Candidate Starts for Doobus_38:

(4, 26013), (Start: 6 @26061 has 25 MA's), (9, 26097), (10, 26100), (23, 26253), (25, 26289),

Gene: FlameThrower_37 Start: 26783, Stop: 27043, Start Num: 6

Candidate Starts for FlameThrower_37:

(Start: 6 @26783 has 25 MA's), (7, 26789), (8, 26801), (12, 26828), (23, 26957), (25, 26993), (26, 27026),

Gene: Jabb_40 Start: 26541, Stop: 26822, Start Num: 6

Candidate Starts for Jabb_40:

(Start: 6 @26541 has 25 MA's), (12, 26592), (23, 26745), (25, 26781),

Gene: Johnathan_38 Start: 25786, Stop: 26055, Start Num: 6

Candidate Starts for Johnathan_38:

(3, 25645), (Start: 6 @25786 has 25 MA's), (11, 25828), (12, 25831), (13, 25834), (14, 25843), (23, 25978), (25, 26014),

Gene: Jovita_40 Start: 26556, Stop: 26837, Start Num: 6

Candidate Starts for Jovita_40:

(Start: 6 @26556 has 25 MA's), (12, 26607), (23, 26760), (25, 26796),

Gene: Kamdara_37 Start: 26957, Stop: 27193, Start Num: 6

Candidate Starts for Kamdara_37:

(Start: 6 @26957 has 25 MA's), (7, 26963), (8, 26975), (12, 27002), (16, 27023),

Gene: Katzastrophic_38 Start: 26912, Stop: 27172, Start Num: 6

Candidate Starts for Katzastrophic_38:

(2, 26759), (Start: 6 @26912 has 25 MA's), (7, 26918), (8, 26930), (12, 26957), (23, 27086), (25, 27122), (26, 27155),

Gene: Kieran_37 Start: 26960, Stop: 27196, Start Num: 6

Candidate Starts for Kieran_37:

(Start: 6 @26960 has 25 MA's), (7, 26966), (8, 26978), (12, 27005), (16, 27026),

Gene: LimaBean_38 Start: 25833, Stop: 26102, Start Num: 6

Candidate Starts for LimaBean_38:

(4, 25785), (Start: 6 @25833 has 25 MA's), (9, 25869), (10, 25872), (23, 26025), (25, 26061),

Gene: Milomuff_39 Start: 26256, Stop: 26525, Start Num: 6

Candidate Starts for Milomuff_39:

(3, 26115), (Start: 6 @26256 has 25 MA's), (11, 26298), (12, 26301), (13, 26304), (14, 26313), (23, 26448), (25, 26484),

Gene: MsUbiquitous_40 Start: 26541, Stop: 26822, Start Num: 6

Candidate Starts for MsUbiquitous_40:

(Start: 6 @26541 has 25 MA's), (12, 26592), (23, 26745), (25, 26781),

Gene: PondAmelia_50 Start: 27375, Stop: 27650, Start Num: 6

Candidate Starts for PondAmelia_50:

(Start: 6 @27375 has 25 MA's), (11, 27417), (12, 27420), (14, 27432), (15, 27435), (23, 27573),

Gene: Rona_37 Start: 26943, Stop: 27179, Start Num: 6

Candidate Starts for Rona_37:

(Start: 6 @26943 has 25 MA's), (7, 26949), (8, 26961), (12, 26988), (16, 27009),

Gene: Sharkboy_38 Start: 27042, Stop: 27278, Start Num: 6

Candidate Starts for Sharkboy_38:

(Start: 6 @27042 has 25 MA's), (7, 27048), (8, 27060), (12, 27087), (16, 27108),

Gene: Solea_40 Start: 26256, Stop: 26525, Start Num: 6

Candidate Starts for Solea_40:

(3, 26115), (Start: 6 @26256 has 25 MA's), (11, 26298), (12, 26301), (13, 26304), (14, 26313), (23, 26448), (25, 26484),

Gene: TukTuk_40 Start: 26501, Stop: 26797, Start Num: 6

Candidate Starts for TukTuk_40:

(1, 26327), (Start: 6 @26501 has 25 MA's), (9, 26540), (14, 26564), (18, 26600), (19, 26603), (23, 26720), (25, 26756),

Gene: WalkingDead_41 Start: 27970, Stop: 28248, Start Num: 6

Candidate Starts for WalkingDead_41:

(5, 27925), (Start: 6 @27970 has 25 MA's), (11, 28012), (12, 28015), (14, 28027), (15, 28030), (23, 28171), (24, 28198),