

Pham 309039



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 309039 Report

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

Pham number 309039 has 30 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Sansa_41, PSirce_42
- Track 2 : Pajaza_40, Casey_40, Pikmin_40
- Track 3 : Pherbot_41, Sinatra_42, BouleyBill_41, Bustleton_41
- Track 4 : Lucky3_41, Golden_41, SirVictor_42, Guetzie_42
- Track 5 : Koji_41
- Track 6 : Jingles_43
- Track 7 : Kauala_41
- Track 8 : PrincePhergus_41
- Track 9 : Theresita_38
- Track 10 : ShyRosie_18, Ashton_18, SoilSleuth_18, JordanFarm_18, Truong_18
- Track 11 : Waterlily_18
- Track 12 : AloeVera_18, Akoni_18
- Track 13 : Mazun_19, JimmyPG_18
- Track 14 : Fede_17
- Track 15 : Kosier_17

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

The start number called the most often in the published annotations is 18, it was called in 24 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ashton_18, BouleyBill_41, Bustleton_41, Casey_40, Fede_17, Golden_41, Guetzie_42, JimmyPG_18, Jingles_43, JordanFarm_18, Kauala_41, Koji_41, Kosier_17, Lucky3_41, Mazun_19, Pajaza_40, Pherbot_41, Pikmin_40, PrincePhergus_41, ShyRosie_18, Sinatra_42, SirVictor_42, SoilSleuth_18, Theresita_38, Truong_18, Waterlily_18,

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

- Akoni_18, AloeVera_18,

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

- PSirce_42, Sansa_41,

Summary by start number:

Start 14:

- Found in 9 of 30 (30.0%) of genes in pham
- Manual Annotations of this start: 2 of 28
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Akoni_18 (EK2), AloeVera_18 (EK2),

Start 17:

- Found in 2 of 30 (6.7%) of genes in pham
- Manual Annotations of this start: 2 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PSirce_42 (EA2), Sansa_41 (EA2),

Start 18:

- Found in 28 of 30 (93.3%) of genes in pham
- Manual Annotations of this start: 24 of 28
- Called 92.9% of time when present
- Phage (with cluster) where this start called: Ashton_18 (EK2), BouleyBill_41 (EA4), Bustleton_41 (EA4), Casey_40 (EA3), Fede_17 (EK2), Golden_41 (EA4), Guetzie_42 (EA4), JimmyPG_18 (EK2), Jingles_43 (EA4), JordanFarm_18 (EK2), Kaula_41 (EA4), Koji_41 (EA4), Kosier_17 (EK2), Lucky3_41 (EA4), Mazun_19 (EK2), Pajaza_40 (EA3), Pherbot_41 (EA4), Pikmin_40 (EA3), PrincePhergus_41 (EA4), ShyRosie_18 (EK2), Sinatra_42 (EA4), SirVictor_42 (EA4), SoilSleuth_18 (EK2), Theresita_38 (EA7), Truong_18 (EK2), Waterlily_18 (EK2),

Summary by clusters:

There are 5 clusters represented in this pham: EA3, EA2, EA4, EA7, EK2,

Info for manual annotations of cluster EA2:

- Start number 17 was manually annotated 2 times for cluster EA2.

Info for manual annotations of cluster EA3:

- Start number 18 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:

- Start number 18 was manually annotated 12 times for cluster EA4.

Info for manual annotations of cluster EA7:

- Start number 18 was manually annotated 1 time for cluster EA7.

Info for manual annotations of cluster EK2:

- Start number 14 was manually annotated 2 times for cluster EK2.
- Start number 18 was manually annotated 8 times for cluster EK2.

Gene Information:

Gene: Akoni_18 Start: 12737, Stop: 12501, Start Num: 14

Candidate Starts for Akoni_18:

(11, 12776), (Start: 14 @12737 has 2 MA's), (Start: 18 @12731 has 24 MA's), (20, 12698), (21, 12695), (24, 12656), (32, 12578),

Gene: AloeVera_18 Start: 12737, Stop: 12501, Start Num: 14

Candidate Starts for AloeVera_18:

(11, 12776), (Start: 14 @12737 has 2 MA's), (Start: 18 @12731 has 24 MA's), (20, 12698), (21, 12695), (24, 12656), (32, 12578),

Gene: Ashton_18 Start: 12735, Stop: 12505, Start Num: 18

Candidate Starts for Ashton_18:

(11, 12780), (Start: 14 @12741 has 2 MA's), (Start: 18 @12735 has 24 MA's), (20, 12702), (21, 12699), (24, 12660), (32, 12582),

Gene: BouleyBill_41 Start: 31137, Stop: 30913, Start Num: 18

Candidate Starts for BouleyBill_41:

(9, 31227), (13, 31164), (Start: 18 @31137 has 24 MA's), (19, 31125), (23, 31077), (31, 31002), (37, 30951), (38, 30948), (40, 30924),

Gene: Bustleton_41 Start: 30928, Stop: 30704, Start Num: 18

Candidate Starts for Bustleton_41:

(9, 31018), (13, 30955), (Start: 18 @30928 has 24 MA's), (19, 30916), (23, 30868), (31, 30793), (37, 30742), (38, 30739), (40, 30715),

Gene: Casey_40 Start: 30517, Stop: 30293, Start Num: 18

Candidate Starts for Casey_40:

(2, 30724), (3, 30691), (5, 30658), (6, 30652), (8, 30607), (12, 30550), (Start: 18 @30517 has 24 MA's), (24, 30445), (30, 30406), (37, 30331), (40, 30304),

Gene: Fede_17 Start: 11968, Stop: 11738, Start Num: 18

Candidate Starts for Fede_17:

(1, 12175), (4, 12109), (7, 12070), (10, 12037), (Start: 14 @11974 has 2 MA's), (Start: 18 @11968 has 24 MA's), (26, 11887), (33, 11815), (39, 11770),

Gene: Golden_41 Start: 31008, Stop: 30784, Start Num: 18

Candidate Starts for Golden_41:

(9, 31089), (Start: 18 @31008 has 24 MA's), (23, 30948), (26, 30930), (31, 30873), (40, 30795),

Gene: Guetzie_42 Start: 30993, Stop: 30769, Start Num: 18

Candidate Starts for Guetzie_42:

(9, 31074), (Start: 18 @30993 has 24 MA's), (23, 30933), (26, 30915), (31, 30858), (40, 30780),

Gene: JimmyPG_18 Start: 12973, Stop: 12743, Start Num: 18

Candidate Starts for JimmyPG_18:

(11, 13018), (Start: 18 @12973 has 24 MA's), (21, 12937), (28, 12874), (32, 12820), (36, 12784),

Gene: Jingles_43 Start: 31143, Stop: 30919, Start Num: 18

Candidate Starts for Jingles_43:

(9, 31233), (13, 31170), (Start: 18 @31143 has 24 MA's), (23, 31083), (31, 31008), (37, 30957), (38, 30954), (40, 30930),

Gene: JordanFarm_18 Start: 12731, Stop: 12501, Start Num: 18

Candidate Starts for JordanFarm_18:

(11, 12776), (Start: 14 @12737 has 2 MA's), (Start: 18 @12731 has 24 MA's), (20, 12698), (21, 12695), (24, 12656), (32, 12578),

Gene: Kauala_41 Start: 31141, Stop: 30917, Start Num: 18

Candidate Starts for Kauala_41:

(9, 31231), (Start: 18 @31141 has 24 MA's), (19, 31129), (23, 31081), (25, 31066), (31, 31006), (37, 30955), (38, 30952), (40, 30928),

Gene: Koji_41 Start: 31311, Stop: 31087, Start Num: 18

Candidate Starts for Koji_41:

(5, 31452), (9, 31392), (13, 31329), (Start: 18 @31311 has 24 MA's), (25, 31236), (31, 31176), (37, 31125), (38, 31122), (40, 31098),

Gene: Kosier_17 Start: 11968, Stop: 11738, Start Num: 18

Candidate Starts for Kosier_17:

(1, 12175), (4, 12109), (7, 12070), (Start: 14 @11974 has 2 MA's), (Start: 18 @11968 has 24 MA's), (26, 11887), (33, 11815), (39, 11770),

Gene: Lucky3_41 Start: 31008, Stop: 30784, Start Num: 18

Candidate Starts for Lucky3_41:

(9, 31089), (Start: 18 @31008 has 24 MA's), (23, 30948), (26, 30930), (31, 30873), (40, 30795),

Gene: Mazun_19 Start: 13006, Stop: 12776, Start Num: 18

Candidate Starts for Mazun_19:

(11, 13051), (Start: 18 @13006 has 24 MA's), (21, 12970), (28, 12907), (32, 12853), (36, 12817),

Gene: PSirce_42 Start: 31466, Stop: 31242, Start Num: 17

Candidate Starts for PSirce_42:

(16, 31469), (Start: 17 @31466 has 2 MA's), (22, 31427), (37, 31280), (39, 31271), (40, 31253),

Gene: Pajaza_40 Start: 30517, Stop: 30293, Start Num: 18

Candidate Starts for Pajaza_40:

(2, 30724), (3, 30691), (5, 30658), (6, 30652), (8, 30607), (12, 30550), (Start: 18 @30517 has 24 MA's), (24, 30445), (30, 30406), (37, 30331), (40, 30304),

Gene: Pherbot_41 Start: 30915, Stop: 30691, Start Num: 18

Candidate Starts for Pherbot_41:

(9, 31005), (13, 30942), (Start: 18 @30915 has 24 MA's), (19, 30903), (23, 30855), (31, 30780), (37, 30729), (38, 30726), (40, 30702),

Gene: Pikmin_40 Start: 30517, Stop: 30293, Start Num: 18

Candidate Starts for Pikmin_40:

(2, 30724), (3, 30691), (5, 30658), (6, 30652), (8, 30607), (12, 30550), (Start: 18 @30517 has 24 MA's), (24, 30445), (30, 30406), (37, 30331), (40, 30304),

Gene: PrincePhergus_41 Start: 30934, Stop: 30710, Start Num: 18

Candidate Starts for PrincePhergus_41:

(5, 31084), (9, 31024), (13, 30961), (Start: 18 @30934 has 24 MA's), (19, 30922), (23, 30874), (31, 30799), (37, 30748), (38, 30745), (40, 30721),

Gene: Sansa_41 Start: 31541, Stop: 31317, Start Num: 17

Candidate Starts for Sansa_41:

(16, 31544), (Start: 17 @31541 has 2 MA's), (22, 31502), (37, 31355), (39, 31346), (40, 31328),

Gene: ShyRosie_18 Start: 12731, Stop: 12501, Start Num: 18

Candidate Starts for ShyRosie_18:

(11, 12776), (Start: 14 @12737 has 2 MA's), (Start: 18 @12731 has 24 MA's), (20, 12698), (21, 12695), (24, 12656), (32, 12578),

Gene: Sinatra_42 Start: 30926, Stop: 30702, Start Num: 18

Candidate Starts for Sinatra_42:

(9, 31016), (13, 30953), (Start: 18 @30926 has 24 MA's), (19, 30914), (23, 30866), (31, 30791), (37, 30740), (38, 30737), (40, 30713),

Gene: SirVictor_42 Start: 30993, Stop: 30769, Start Num: 18

Candidate Starts for SirVictor_42:

(9, 31074), (Start: 18 @30993 has 24 MA's), (23, 30933), (26, 30915), (31, 30858), (40, 30780),

Gene: SoilSleuth_18 Start: 12773, Stop: 12543, Start Num: 18

Candidate Starts for SoilSleuth_18:

(11, 12818), (Start: 14 @12779 has 2 MA's), (Start: 18 @12773 has 24 MA's), (20, 12740), (21, 12737), (24, 12698), (32, 12620),

Gene: Theresita_38 Start: 24921, Stop: 25148, Start Num: 18

Candidate Starts for Theresita_38:

(15, 24912), (Start: 18 @24921 has 24 MA's), (27, 25005), (29, 25032), (31, 25059), (34, 25080), (35, 25083), (40, 25137),

Gene: Truong_18 Start: 12731, Stop: 12501, Start Num: 18

Candidate Starts for Truong_18:

(11, 12776), (Start: 14 @12737 has 2 MA's), (Start: 18 @12731 has 24 MA's), (20, 12698), (21, 12695), (24, 12656), (32, 12578),

Gene: Waterlily_18 Start: 12773, Stop: 12543, Start Num: 18

Candidate Starts for Waterlily_18:

(11, 12818), (Start: 18 @12773 has 24 MA's), (20, 12740), (21, 12737), (24, 12698), (32, 12620),