

Pham 157973



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 157973 Report

This analysis was run 04/13/24 on database version 558.

Pham number 157973 has 45 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Eddiemanina_55, Kenosha_54
- Track 2 : Figliar_53, Jodelie19_54, Duffington_53, Chikenjars_53, EndAve_56, AlainaMarie_54, OlgasClover_56, Aflac_54, TenaciousP_60
- Track 3 : Runhaar_55, Vardy_54, Madvan_54, Burley_55, Crocheter_55, Hydrus_57, Phepper_56, Untouchable_56, Nadmeg_56
- Track 4 : Zeph_59
- Track 5 : Mossy_58
- Track 6 : Roney_54, Tanis_54, Capybara_54, Gravy_53, Kerry_53
- Track 7 : Rickmore_51
- Track 8 : Pherobrine_56
- Track 9 : Nithya_55
- Track 10 : Conley_53
- Track 11 : Captrips_55
- Track 12 : FortCran_58
- Track 13 : Fazel_59
- Track 14 : Avazak_55
- Track 15 : OhMyWard_53
- Track 16 : Perkunas_56
- Track 17 : Artorias_54
- Track 18 : Gill_54, Magel_55
- Track 19 : Hortihabitatio_55
- Track 20 : Schwartz33_56
- Track 21 : Petito_54
- Track 22 : Secretariat_54
- Track 23 : Odesza_53

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

The start number called the most often in the published annotations is 1, it was called in 31 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_54, AlainaMarie_54, Avazak_55, Burley_55, Captrips_55, Capybara_54, Chikenjars_53, Conley_53, Crocheter_55, Duffington_53, Eddiemanina_55,

EndAve_56, Fazel_59, Figliar_53, FortCran_58, Gravy_53, Hortihabitatio_55, Hydrus_57, Jodelie19_54, Kenosha_54, Kerry_53, Madvan_54, Mossy_58, Nadmeg_56, Nithya_55, Odesza_53, OhMyWard_53, OlgasClover_56, Perkunas_56, Petite_54, Phepper_56, Pherobrine_56, Rickmore_51, Roney_54, Runhaar_55, Schwartz33_56, Secretariat_54, Tanis_54, TenaciousP_60, Untouchable_56, Vardy_54, Zeph_59,

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

- Artorias_54, Gill_54, Magel_55,

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

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Summary by start number:

Start 1:

- Found in 45 of 45 (100.0%) of genes in pham
- Manual Annotations of this start: 31 of 34
- Called 93.3% of time when present
- Phage (with cluster) where this start called: Aflac_54 (DJ), AlainaMarie_54 (DJ), Avazak_55 (DJ), Burley_55 (DJ), Captrips_55 (DJ), Copybara_54 (DJ), Chikenjars_53 (DJ), Conley_53 (DJ), Crocheter_55 (DJ), Duffington_53 (DJ), Eddiemania_55 (DJ), EndAve_56 (DJ), Fazel_59 (DJ), Figliar_53 (DJ), FortCran_58 (DJ), Gravy_53 (DJ), Hortihabitatio_55 (DJ), Hydrus_57 (DJ), Jodelie19_54 (DJ), Kenosha_54 (DJ), Kerry_53 (DJ), Madvan_54 (DJ), Mossy_58 (DJ), Nadmeg_56 (DJ), Nithya_55 (DJ), Odesza_53 (DJ), OhMyWard_53 (DJ), OlgasClover_56 (DJ), Perkunas_56 (DJ), Petite_54 (DJ), Phepper_56 (DJ), Pherobrine_56 (DJ), Rickmore_51 (DJ), Roney_54 (DJ), Runhaar_55 (DJ), Schwartz33_56 (DJ), Secretariat_54 (DJ), Tanis_54 (DJ), TenaciousP_60 (DJ), Untouchable_56 (DJ), Vardy_54 (DJ), Zeph_59 (DJ),

Start 2:

- Found in 15 of 45 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 34
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Artorias_54 (DJ), Gill_54 (DJ), Magel_55 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 1 was manually annotated 31 times for cluster DJ.
- Start number 2 was manually annotated 3 times for cluster DJ.

Gene Information:

Gene: Aflac_54 Start: 37624, Stop: 38262, Start Num: 1

Candidate Starts for Aflac_54:

(Start: 1 @37624 has 31 MA's), (12, 37831), (13, 37837), (16, 37975), (29, 38155), (34, 38233), (35, 38245),

Gene: AlainaMarie_54 Start: 37610, Stop: 38248, Start Num: 1

Candidate Starts for AlainaMarie_54:

(Start: 1 @37610 has 31 MA's), (12, 37817), (13, 37823), (16, 37961), (29, 38141), (34, 38219), (35, 38231),

Gene: Artorias_54 Start: 36960, Stop: 37574, Start Num: 2

Candidate Starts for Artorias_54:

(Start: 1 @36957 has 31 MA's), (Start: 2 @36960 has 3 MA's), (12, 37164), (16, 37308), (27, 37473), (35, 37560),

Gene: Avazak_55 Start: 37284, Stop: 37901, Start Num: 1

Candidate Starts for Avazak_55:

(Start: 1 @37284 has 31 MA's), (Start: 2 @37287 has 3 MA's), (12, 37491), (16, 37635), (30, 37809), (35, 37887),

Gene: Burley_55 Start: 37396, Stop: 38031, Start Num: 1

Candidate Starts for Burley_55:

(Start: 1 @37396 has 31 MA's), (12, 37603), (16, 37747), (34, 38002), (35, 38014),

Gene: Captrips_55 Start: 36432, Stop: 37049, Start Num: 1

Candidate Starts for Captrips_55:

(Start: 1 @36432 has 31 MA's), (Start: 2 @36435 has 3 MA's), (12, 36639), (16, 36783), (27, 36948), (30, 36957), (35, 37035),

Gene: Capybara_54 Start: 36783, Stop: 37382, Start Num: 1

Candidate Starts for Capybara_54:

(Start: 1 @36783 has 31 MA's), (Start: 2 @36786 has 3 MA's), (6, 36885), (12, 36990), (16, 37134), (23, 37284), (27, 37299), (35, 37368),

Gene: Chikenjars_53 Start: 37622, Stop: 38260, Start Num: 1

Candidate Starts for Chikenjars_53:

(Start: 1 @37622 has 31 MA's), (12, 37829), (13, 37835), (16, 37973), (29, 38153), (34, 38231), (35, 38243),

Gene: Conley_53 Start: 37570, Stop: 38184, Start Num: 1

Candidate Starts for Conley_53:

(Start: 1 @37570 has 31 MA's), (Start: 2 @37573 has 3 MA's), (12, 37777), (16, 37921), (20, 37990), (21, 38017), (24, 38074), (35, 38170),

Gene: Crocheter_55 Start: 37792, Stop: 38427, Start Num: 1

Candidate Starts for Crocheter_55:

(Start: 1 @37792 has 31 MA's), (12, 37999), (16, 38143), (34, 38398), (35, 38410),

Gene: Duffington_53 Start: 37317, Stop: 37955, Start Num: 1

Candidate Starts for Duffington_53:

(Start: 1 @37317 has 31 MA's), (12, 37524), (13, 37530), (16, 37668), (29, 37848), (34, 37926), (35, 37938),

Gene: Eddiemania_55 Start: 38537, Stop: 39172, Start Num: 1

Candidate Starts for Eddiemania_55:

(Start: 1 @38537 has 31 MA's), (12, 38744), (13, 38750), (16, 38888), (34, 39143), (35, 39155),

Gene: EndAve_56 Start: 37790, Stop: 38428, Start Num: 1

Candidate Starts for EndAve_56:

(Start: 1 @37790 has 31 MA's), (12, 37997), (13, 38003), (16, 38141), (29, 38321), (34, 38399), (35, 38411),

Gene: Fazel_59 Start: 37262, Stop: 37894, Start Num: 1

Candidate Starts for Fazel_59:

(Start: 1 @37262 has 31 MA's), (3, 37310), (9, 37406), (12, 37469), (16, 37613), (18, 37652), (24, 37766), (33, 37829), (34, 37865), (35, 37877),

Gene: Figliar_53 Start: 37692, Stop: 38330, Start Num: 1

Candidate Starts for Figliar_53:

(Start: 1 @37692 has 31 MA's), (12, 37899), (13, 37905), (16, 38043), (29, 38223), (34, 38301), (35, 38313),

Gene: FortCran_58 Start: 36957, Stop: 37574, Start Num: 1

Candidate Starts for FortCran_58:

(Start: 1 @36957 has 31 MA's), (Start: 2 @36960 has 3 MA's), (12, 37164), (16, 37308), (27, 37473), (35, 37560),

Gene: Gill_54 Start: 36803, Stop: 37399, Start Num: 2

Candidate Starts for Gill_54:

(Start: 1 @36800 has 31 MA's), (Start: 2 @36803 has 3 MA's), (6, 36902), (12, 37007), (16, 37151), (23, 37301), (27, 37316), (35, 37385),

Gene: Gravy_53 Start: 36473, Stop: 37072, Start Num: 1

Candidate Starts for Gravy_53:

(Start: 1 @36473 has 31 MA's), (Start: 2 @36476 has 3 MA's), (6, 36575), (12, 36680), (16, 36824), (23, 36974), (27, 36989), (35, 37058),

Gene: Hortihabitatio_55 Start: 37498, Stop: 38130, Start Num: 1

Candidate Starts for Hortihabitatio_55:

(Start: 1 @37498 has 31 MA's), (3, 37546), (4, 37555), (5, 37594), (7, 37612), (12, 37705), (16, 37849), (18, 37888), (21, 37945), (24, 38002), (34, 38101), (35, 38113),

Gene: Hydrus_57 Start: 38564, Stop: 39199, Start Num: 1

Candidate Starts for Hydrus_57:

(Start: 1 @38564 has 31 MA's), (12, 38771), (16, 38915), (34, 39170), (35, 39182),

Gene: Jodelie19_54 Start: 39096, Stop: 39734, Start Num: 1

Candidate Starts for Jodelie19_54:

(Start: 1 @39096 has 31 MA's), (12, 39303), (13, 39309), (16, 39447), (29, 39627), (34, 39705), (35, 39717),

Gene: Kenosha_54 Start: 38023, Stop: 38658, Start Num: 1

Candidate Starts for Kenosha_54:

(Start: 1 @38023 has 31 MA's), (12, 38230), (13, 38236), (16, 38374), (34, 38629), (35, 38641),

Gene: Kerry_53 Start: 36473, Stop: 37072, Start Num: 1

Candidate Starts for Kerry_53:

(Start: 1 @36473 has 31 MA's), (Start: 2 @36476 has 3 MA's), (6, 36575), (12, 36680), (16, 36824), (23, 36974), (27, 36989), (35, 37058),

Gene: Madvan_54 Start: 37433, Stop: 38068, Start Num: 1

Candidate Starts for Madvan_54:

(Start: 1 @37433 has 31 MA's), (12, 37640), (16, 37784), (34, 38039), (35, 38051),

Gene: Magel_55 Start: 36719, Stop: 37315, Start Num: 2

Candidate Starts for Magel_55:

(Start: 1 @36716 has 31 MA's), (Start: 2 @36719 has 3 MA's), (6, 36818), (12, 36923), (16, 37067), (23, 37217), (27, 37232), (35, 37301),

Gene: Mossy_58 Start: 39452, Stop: 40093, Start Num: 1

Candidate Starts for Mossy_58:

(Start: 1 @39452 has 31 MA's), (3, 39500), (5, 39548), (9, 39596), (12, 39659), (16, 39803), (17, 39827), (18, 39842), (31, 39992), (32, 40007), (34, 40064), (35, 40076),

Gene: Nadmeg_56 Start: 38679, Stop: 39314, Start Num: 1

Candidate Starts for Nadmeg_56:

(Start: 1 @38679 has 31 MA's), (12, 38886), (16, 39030), (34, 39285), (35, 39297),

Gene: Nithya_55 Start: 37534, Stop: 38172, Start Num: 1

Candidate Starts for Nithya_55:

(Start: 1 @37534 has 31 MA's), (12, 37741), (13, 37747), (16, 37885), (29, 38065), (34, 38143), (35, 38155),

Gene: Odesza_53 Start: 36528, Stop: 37145, Start Num: 1

Candidate Starts for Odesza_53:

(Start: 1 @36528 has 31 MA's), (Start: 2 @36531 has 3 MA's), (6, 36630), (12, 36735), (16, 36879), (35, 37131),

Gene: OhMyWard_53 Start: 38645, Stop: 39286, Start Num: 1

Candidate Starts for OhMyWard_53:

(Start: 1 @38645 has 31 MA's), (3, 38693), (5, 38741), (9, 38789), (12, 38852), (16, 38996), (17, 39020), (18, 39035), (21, 39092), (31, 39185), (32, 39200), (34, 39257), (35, 39269),

Gene: OlgasClover_56 Start: 38677, Stop: 39315, Start Num: 1

Candidate Starts for OlgasClover_56:

(Start: 1 @38677 has 31 MA's), (12, 38884), (13, 38890), (16, 39028), (29, 39208), (34, 39286), (35, 39298),

Gene: Perkunas_56 Start: 36810, Stop: 37424, Start Num: 1

Candidate Starts for Perkunas_56:

(Start: 1 @36810 has 31 MA's), (Start: 2 @36813 has 3 MA's), (6, 36912), (12, 37017), (16, 37161), (26, 37317), (30, 37332), (35, 37410),

Gene: Petite_54 Start: 38630, Stop: 39244, Start Num: 1

Candidate Starts for Petite_54:

(Start: 1 @38630 has 31 MA's), (Start: 2 @38633 has 3 MA's), (12, 38837), (16, 38981), (20, 39050), (21, 39077), (22, 39116), (26, 39137), (30, 39152), (35, 39230),

Gene: Phepper_56 Start: 37695, Stop: 38330, Start Num: 1

Candidate Starts for Phepper_56:

(Start: 1 @37695 has 31 MA's), (12, 37902), (16, 38046), (34, 38301), (35, 38313),

Gene: Pherobrine_56 Start: 38600, Stop: 39232, Start Num: 1

Candidate Starts for Pherobrine_56:

(Start: 1 @38600 has 31 MA's), (3, 38648), (5, 38696), (9, 38744), (12, 38807), (15, 38909), (16, 38951), (18, 38990), (21, 39047), (25, 39110), (30, 39131), (33, 39167), (34, 39203), (35, 39215),

Gene: Rickmore_51 Start: 35485, Stop: 36111, Start Num: 1

Candidate Starts for Rickmore_51:

(Start: 1 @35485 has 31 MA's), (10, 35644), (12, 35692), (14, 35737), (16, 35836), (19, 35899), (28, 36004), (31, 36013), (35, 36094),

Gene: Roney_54 Start: 36826, Stop: 37425, Start Num: 1

Candidate Starts for Roney_54:

(Start: 1 @36826 has 31 MA's), (Start: 2 @36829 has 3 MA's), (6, 36928), (12, 37033), (16, 37177), (23, 37327), (27, 37342), (35, 37411),

Gene: Runhaar_55 Start: 37495, Stop: 38130, Start Num: 1

Candidate Starts for Runhaar_55:

(Start: 1 @37495 has 31 MA's), (12, 37702), (16, 37846), (34, 38101), (35, 38113),

Gene: Schwartz33_56 Start: 37627, Stop: 38241, Start Num: 1

Candidate Starts for Schwartz33_56:

(Start: 1 @37627 has 31 MA's), (5, 37723), (11, 37810), (12, 37834), (16, 37978), (21, 38068), (34, 38212), (35, 38224),

Gene: Secretariat_54 Start: 36535, Stop: 37155, Start Num: 1

Candidate Starts for Secretariat_54:

(Start: 1 @36535 has 31 MA's), (8, 36673), (12, 36742), (16, 36886), (34, 37126), (35, 37138),

Gene: Tanis_54 Start: 36646, Stop: 37245, Start Num: 1

Candidate Starts for Tanis_54:

(Start: 1 @36646 has 31 MA's), (Start: 2 @36649 has 3 MA's), (6, 36748), (12, 36853), (16, 36997), (23, 37147), (27, 37162), (35, 37231),

Gene: TenaciousP_60 Start: 39058, Stop: 39696, Start Num: 1

Candidate Starts for TenaciousP_60:

(Start: 1 @39058 has 31 MA's), (12, 39265), (13, 39271), (16, 39409), (29, 39589), (34, 39667), (35, 39679),

Gene: Untouchable_56 Start: 38044, Stop: 38679, Start Num: 1

Candidate Starts for Untouchable_56:

(Start: 1 @38044 has 31 MA's), (12, 38251), (16, 38395), (34, 38650), (35, 38662),

Gene: Vardy_54 Start: 37385, Stop: 38020, Start Num: 1

Candidate Starts for Vardy_54:

(Start: 1 @37385 has 31 MA's), (12, 37592), (16, 37736), (34, 37991), (35, 38003),

Gene: Zeph_59 Start: 38532, Stop: 39167, Start Num: 1

Candidate Starts for Zeph_59:

(Start: 1 @38532 has 31 MA's), (12, 38739), (14, 38784), (15, 38841), (16, 38883), (34, 39138), (35, 39150),