

Pham 216419



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 216419 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216419 has 31 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Nithya_40, AlainaMarie_40, Aflac_40, Chikenjars_40
- Track 2 : Phepper_41
- Track 3 : Untouchable_41, Kenosha_41, Crocheter_41
- Track 4 : Rickmore_38
- Track 5 : MajinBuu_42, Figliar_41, Jodelie19_42, OlgasClover_41
- Track 6 : Citrus_40, Duffington_39, EndAve_41
- Track 7 : Gusicorn_44, ShaggyRogers_45, BetterYeti_43
- Track 8 : BluerMoon_43
- Track 9 : Nadmeg_42
- Track 10 : Zeph_42
- Track 11 : Burley_41, Vardy_41
- Track 12 : Runhaar_41
- Track 13 : Eddiemania_42
- Track 14 : Arataki_38, Demure_39
- Track 15 : Madvan_41, Hydrus_42
- Track 16 : TenaciousP_41

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 12 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_40, AlainaMarie_40, Burley_41, Chikenjars_40, Crocheter_41, Kenosha_41, Nadmeg_42, Nithya_40, Phepper_41, Rickmore_38, Untouchable_41, Vardy_41,

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

- Arataki_38, Citrus_40, Demure_39, Duffington_39, EndAve_41, Hydrus_42, Madvan_41, TenaciousP_41, Zeph_42,

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

- BetterYeti_43, BluerMoon_43, Eddiemania_42, Figliar_41, Gusicorn_44, Jodelie19_42, MajinBuu_42, OlgasClover_41, Runhaar_41, ShaggyRogers_45,

Summary by start number:

Start 1:

- Found in 21 of 31 (67.7%) of genes in pham
- Manual Annotations of this start: 12 of 23
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Aflac_40 (DJ), AlainaMarie_40 (DJ), Burley_41 (DJ), Chikenjars_40 (DJ), Crocheter_41 (DJ), Kenosha_41 (DJ), Nadmeg_42 (DJ), Nithya_40 (DJ), Phepper_41 (DJ), Rickmore_38 (DJ), Untouchable_41 (DJ), Vardy_41 (DJ),

Start 3:

- Found in 31 of 31 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 23
- Called 61.3% of time when present
- Phage (with cluster) where this start called: Arataki_38 (DJ), BetterYeti_43 (DJ), BluerMoon_43 (DJ), Citrus_40 (DJ), Demure_39 (DJ), Duffington_39 (DJ), Eddiemania_42 (DJ), EndAve_41 (DJ), Figliar_41 (DJ), Gusicorn_44 (DJ), Hydrus_42 (DJ), Jodelie19_42 (DJ), Madvan_41 (DJ), MajinBuu_42 (DJ), OlgasClover_41 (DJ), Runhaar_41 (DJ), ShaggyRogers_45 (DJ), TenaciousP_41 (DJ), Zeph_42 (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 12 times for cluster DJ.
- Start number 3 was manually annotated 11 times for cluster DJ.

Gene Information:

Gene: Aflac_40 Start: 32891, Stop: 33190, Start Num: 1

Candidate Starts for Aflac_40:

(Start: 1 @32891 has 12 MA's), (Start: 3 @32921 has 11 MA's), (5, 33029),

Gene: AlainaMarie_40 Start: 32870, Stop: 33169, Start Num: 1

Candidate Starts for AlainaMarie_40:

(Start: 1 @32870 has 12 MA's), (Start: 3 @32900 has 11 MA's), (5, 33008),

Gene: Arataki_38 Start: 32260, Stop: 32535, Start Num: 3

Candidate Starts for Arataki_38:

(Start: 1 @32230 has 12 MA's), (Start: 3 @32260 has 11 MA's), (6, 32395), (8, 32407), (9, 32494),

Gene: BetterYeti_43 Start: 32965, Stop: 33237, Start Num: 3

Candidate Starts for BetterYeti_43:

(Start: 3 @32965 has 11 MA's), (6, 33097), (8, 33109), (9, 33196),

Gene: BluerMoon_43 Start: 32917, Stop: 33186, Start Num: 3

Candidate Starts for BluerMoon_43:

(Start: 3 @32917 has 11 MA's), (4, 32953), (5, 33025), (9, 33145),

Gene: Burley_41 Start: 32894, Stop: 33193, Start Num: 1
Candidate Starts for Burley_41:
(Start: 1 @32894 has 12 MA's), (2, 32909), (Start: 3 @32924 has 11 MA's), (8, 33065),

Gene: Chikenjars_40 Start: 32881, Stop: 33180, Start Num: 1
Candidate Starts for Chikenjars_40:
(Start: 1 @32881 has 12 MA's), (Start: 3 @32911 has 11 MA's), (5, 33019),

Gene: Citrus_40 Start: 33187, Stop: 33456, Start Num: 3
Candidate Starts for Citrus_40:
(Start: 1 @33157 has 12 MA's), (Start: 3 @33187 has 11 MA's), (5, 33295),

Gene: Crocheter_41 Start: 33288, Stop: 33593, Start Num: 1
Candidate Starts for Crocheter_41:
(Start: 1 @33288 has 12 MA's), (Start: 3 @33318 has 11 MA's), (6, 33453), (8, 33465),

Gene: Demure_39 Start: 32260, Stop: 32535, Start Num: 3
Candidate Starts for Demure_39:
(Start: 1 @32230 has 12 MA's), (Start: 3 @32260 has 11 MA's), (6, 32395), (8, 32407), (9, 32494),

Gene: Duffington_39 Start: 32573, Stop: 32842, Start Num: 3
Candidate Starts for Duffington_39:
(Start: 1 @32543 has 12 MA's), (Start: 3 @32573 has 11 MA's), (5, 32681),

Gene: Eddiemania_42 Start: 33826, Stop: 34101, Start Num: 3
Candidate Starts for Eddiemania_42:
(Start: 3 @33826 has 11 MA's),

Gene: EndAve_41 Start: 33080, Stop: 33349, Start Num: 3
Candidate Starts for EndAve_41:
(Start: 1 @33050 has 12 MA's), (Start: 3 @33080 has 11 MA's), (5, 33188),

Gene: Figliar_41 Start: 33226, Stop: 33495, Start Num: 3
Candidate Starts for Figliar_41:
(Start: 3 @33226 has 11 MA's), (5, 33334), (9, 33454),

Gene: Gusicorn_44 Start: 32966, Stop: 33238, Start Num: 3
Candidate Starts for Gusicorn_44:
(Start: 3 @32966 has 11 MA's), (6, 33098), (8, 33110), (9, 33197),

Gene: Hydrus_42 Start: 33836, Stop: 34111, Start Num: 3
Candidate Starts for Hydrus_42:
(Start: 1 @33806 has 12 MA's), (Start: 3 @33836 has 11 MA's), (6, 33971), (8, 33983),

Gene: Jodelie19_42 Start: 34681, Stop: 34950, Start Num: 3
Candidate Starts for Jodelie19_42:
(Start: 3 @34681 has 11 MA's), (5, 34789), (9, 34909),

Gene: Kenosha_41 Start: 33698, Stop: 34003, Start Num: 1
Candidate Starts for Kenosha_41:
(Start: 1 @33698 has 12 MA's), (Start: 3 @33728 has 11 MA's), (6, 33863), (8, 33875),

Gene: Madvan_41 Start: 32959, Stop: 33234, Start Num: 3

Candidate Starts for Madvan_41:

(Start: 1 @32929 has 12 MA's), (Start: 3 @32959 has 11 MA's), (6, 33094), (8, 33106),

Gene: MajinBuu_42 Start: 33253, Stop: 33522, Start Num: 3

Candidate Starts for MajinBuu_42:

(Start: 3 @33253 has 11 MA's), (5, 33361), (9, 33481),

Gene: Nadmeg_42 Start: 34361, Stop: 34666, Start Num: 1

Candidate Starts for Nadmeg_42:

(Start: 1 @34361 has 12 MA's), (Start: 3 @34391 has 11 MA's), (6, 34526), (8, 34538), (9, 34625),

Gene: Nithya_40 Start: 32871, Stop: 33170, Start Num: 1

Candidate Starts for Nithya_40:

(Start: 1 @32871 has 12 MA's), (Start: 3 @32901 has 11 MA's), (5, 33009),

Gene: OlgasClover_41 Start: 33965, Stop: 34234, Start Num: 3

Candidate Starts for OlgasClover_41:

(Start: 3 @33965 has 11 MA's), (5, 34073), (9, 34193),

Gene: Phepper_41 Start: 32928, Stop: 33233, Start Num: 1

Candidate Starts for Phepper_41:

(Start: 1 @32928 has 12 MA's), (Start: 3 @32958 has 11 MA's), (7, 33096), (8, 33105), (9, 33192),

Gene: Rickmore_38 Start: 30983, Stop: 31288, Start Num: 1

Candidate Starts for Rickmore_38:

(Start: 1 @30983 has 12 MA's), (Start: 3 @31013 has 11 MA's), (5, 31127), (7, 31151),

Gene: Runhaar_41 Start: 32958, Stop: 33227, Start Num: 3

Candidate Starts for Runhaar_41:

(Start: 3 @32958 has 11 MA's), (7, 33090), (8, 33099), (9, 33186),

Gene: ShaggyRogers_45 Start: 32964, Stop: 33236, Start Num: 3

Candidate Starts for ShaggyRogers_45:

(Start: 3 @32964 has 11 MA's), (6, 33096), (8, 33108), (9, 33195),

Gene: TenaciousP_41 Start: 34346, Stop: 34606, Start Num: 3

Candidate Starts for TenaciousP_41:

(Start: 1 @34316 has 12 MA's), (Start: 3 @34346 has 11 MA's), (5, 34454), (9, 34574),

Gene: Untouchable_41 Start: 33288, Stop: 33593, Start Num: 1

Candidate Starts for Untouchable_41:

(Start: 1 @33288 has 12 MA's), (Start: 3 @33318 has 11 MA's), (6, 33453), (8, 33465),

Gene: Vardy_41 Start: 32895, Stop: 33194, Start Num: 1

Candidate Starts for Vardy_41:

(Start: 1 @32895 has 12 MA's), (2, 32910), (Start: 3 @32925 has 11 MA's), (8, 33066),

Gene: Zeph_42 Start: 33816, Stop: 34091, Start Num: 3

Candidate Starts for Zeph_42:

(Start: 1 @33786 has 12 MA's), (Start: 3 @33816 has 11 MA's), (7, 33954), (8, 33963),