

Pham 200172



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 200172 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200172 has 58 members, 16 are drafts.

Phages represented in each track:

- Track 1 : Pepy6_043
- Track 2 : Poco6_044
- Track 3 : Phepper_40, Untouchable_40, Nadmeg_41, Burley_40, Kenosha_40, Duffington_38, Demure_38, Chikenjars_39, BluerMoon_42, Runhaar_40, Nithya_39, Eddiemania_41, Arataki_37, AlainaMarie_39, Zeph_41, Citrus_39, Madvan_40, Vardy_40, Hydrus_41, EndAve_40, Crocheter_40
- Track 4 : Conley_38
- Track 5 : Magel_40, Kerry_38, Copybara_39, Gill_39, Tanis_39, Roney_39, Gravy_38, NoPickles_38, Odesza_38
- Track 6 : Gusicorn_43, Perkunas_40, ShaggyRogers_44, Rickmore_37, Talon44_41, BetterYeti_42
- Track 7 : MajinBuu_41, Figliar_40, Aflac_39, OlgasClover_40, Jodelie19_41, TenaciousP_40
- Track 8 : Petite_40, Artorias_38, Captrips_38, Avazak_39, Dancer_40, JulesRay_40, FortCran_38
- Track 9 : Schwartz33_41
- Track 10 : Hortihabitatio_42
- Track 11 : Fazel_39
- Track 12 : Mysticmoon_41, Pherobrine_41
- Track 13 : Secretariat_39

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

The start number called the most often in the published annotations is 3, it was called in 42 of the 42 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_39, AlainaMarie_39, Arataki_37, Artorias_38, Avazak_39, BetterYeti_42, BluerMoon_42, Burley_40, Captrips_38, Copybara_39, Chikenjars_39, Citrus_39, Conley_38, Crocheter_40, Dancer_40, Demure_38, Duffington_38, Eddiemania_41, EndAve_40, Fazel_39, Figliar_40, FortCran_38, Gill_39, Gravy_38, Gusicorn_43, Hortihabitatio_42, Hydrus_41, Jodelie19_41, JulesRay_40, Kenosha_40, Kerry_38, Madvan_40, Magel_40, MajinBuu_41, Mysticmoon_41, Nadmeg_41, Nithya_39, NoPickles_38, Odesza_38, OlgasClover_40, Pepy6_043, Perkunas_40, Petite_40,

Phepper_40, Pherobrine_41, Rickmore_37, Roney_39, Runhaar_40, Schwartz33_41, Secretariat_39, ShaggyRogers_44, Talon44_41, Tanis_39, TenaciousP_40, Untouchable_40, Vardy_40, Zeph_41,

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

- Poco6_044,

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

-

Summary by start number:

Start 1:

- Found in 3 of 58 (5.2%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Poco6_044 (CC),

Start 3:

- Found in 58 of 58 (100.0%) of genes in pham
- Manual Annotations of this start: 42 of 42
- Called 98.3% of time when present
- Phage (with cluster) where this start called: Aflac_39 (DJ), AlainaMarie_39 (DJ), Arataki_37 (DJ), Artorias_38 (DJ), Avazak_39 (DJ), BetterYeti_42 (DJ), BluerMoon_42 (DJ), Burley_40 (DJ), Captrips_38 (DJ), Capybara_39 (DJ), Chikenjars_39 (DJ), Citrus_39 (DJ), Conley_38 (DJ), Crocheter_40 (DJ), Dancer_40 (DJ), Demure_38 (DJ), Duffington_38 (DJ), Eddiemania_41 (DJ), EndAve_40 (DJ), Fazel_39 (DJ), Figliar_40 (DJ), FortCran_38 (DJ), Gill_39 (DJ), Gravy_38 (DJ), Gusicorn_43 (DJ), Hortihabitatio_42 (DJ), Hydrus_41 (DJ), Jodelie19_41 (DJ), JulesRay_40 (DJ), Kenosha_40 (DJ), Kerry_38 (DJ), Madvan_40 (DJ), Magel_40 (DJ), MajinBuu_41 (DJ), Mysticmoon_41 (DJ), Nadmeg_41 (DJ), Nithya_39 (DJ), NoPickles_38 (DJ), Odesza_38 (DJ), OlgasClover_40 (DJ), Pepy6_043 (CC), Perkunas_40 (DJ), Petite_40 (DJ), Phepper_40 (DJ), Pherobrine_41 (DJ), Rickmore_37 (DJ), Roney_39 (DJ), Runhaar_40 (DJ), Schwartz33_41 (DJ), Secretariat_39 (DJ), ShaggyRogers_44 (DJ), Talon44_41 (DJ), Tanis_39 (DJ), TenaciousP_40 (DJ), Untouchable_40 (DJ), Vardy_40 (DJ), Zeph_41 (DJ),

Summary by clusters:

There are 2 clusters represented in this pham: CC, DJ,

Info for manual annotations of cluster DJ:

- Start number 3 was manually annotated 42 times for cluster DJ.

Gene Information:

Gene: Aflac_39 Start: 32676, Stop: 32849, Start Num: 3

Candidate Starts for Aflac_39:

(Start: 3 @32676 has 42 MA's), (11, 32802),

Gene: AlainaMarie_39 Start: 32655, Stop: 32828, Start Num: 3
Candidate Starts for AlainaMarie_39:
(Start: 3 @32655 has 42 MA's), (8, 32745), (11, 32781),

Gene: Arataki_37 Start: 32015, Stop: 32188, Start Num: 3
Candidate Starts for Arataki_37:
(Start: 3 @32015 has 42 MA's), (8, 32105), (11, 32141),

Gene: Artorias_38 Start: 30361, Stop: 30537, Start Num: 3
Candidate Starts for Artorias_38:
(Start: 3 @30361 has 42 MA's), (12, 30505),

Gene: Avazak_39 Start: 30729, Stop: 30905, Start Num: 3
Candidate Starts for Avazak_39:
(Start: 3 @30729 has 42 MA's), (12, 30873),

Gene: BetterYeti_42 Start: 32721, Stop: 32894, Start Num: 3
Candidate Starts for BetterYeti_42:
(Start: 3 @32721 has 42 MA's), (6, 32799), (11, 32847),

Gene: BluerMoon_42 Start: 32673, Stop: 32846, Start Num: 3
Candidate Starts for BluerMoon_42:
(Start: 3 @32673 has 42 MA's), (8, 32763), (11, 32799),

Gene: Burley_40 Start: 32679, Stop: 32852, Start Num: 3
Candidate Starts for Burley_40:
(Start: 3 @32679 has 42 MA's), (8, 32769), (11, 32805),

Gene: Captrips_38 Start: 30401, Stop: 30577, Start Num: 3
Candidate Starts for Captrips_38:
(Start: 3 @30401 has 42 MA's), (12, 30545),

Gene: Capybara_39 Start: 30791, Stop: 30967, Start Num: 3
Candidate Starts for Capybara_39:
(Start: 3 @30791 has 42 MA's), (6, 30872), (11, 30920), (12, 30935),

Gene: Chikenjars_39 Start: 32666, Stop: 32839, Start Num: 3
Candidate Starts for Chikenjars_39:
(Start: 3 @32666 has 42 MA's), (8, 32756), (11, 32792),

Gene: Citrus_39 Start: 32942, Stop: 33115, Start Num: 3
Candidate Starts for Citrus_39:
(Start: 3 @32942 has 42 MA's), (8, 33032), (11, 33068),

Gene: Conley_38 Start: 31332, Stop: 31508, Start Num: 3
Candidate Starts for Conley_38:
(2, 31329), (Start: 3 @31332 has 42 MA's), (12, 31476),

Gene: Crocheter_40 Start: 33073, Stop: 33246, Start Num: 3
Candidate Starts for Crocheter_40:
(Start: 3 @33073 has 42 MA's), (8, 33163), (11, 33199),

Gene: Dancer_40 Start: 30101, Stop: 30277, Start Num: 3

Candidate Starts for Dancer_40:
(Start: 3 @30101 has 42 MA's), (12, 30245),

Gene: Demure_38 Start: 32015, Stop: 32188, Start Num: 3
Candidate Starts for Demure_38:
(Start: 3 @32015 has 42 MA's), (8, 32105), (11, 32141),

Gene: Duffington_38 Start: 32328, Stop: 32501, Start Num: 3
Candidate Starts for Duffington_38:
(Start: 3 @32328 has 42 MA's), (8, 32418), (11, 32454),

Gene: Eddiemania_41 Start: 33582, Stop: 33755, Start Num: 3
Candidate Starts for Eddiemania_41:
(Start: 3 @33582 has 42 MA's), (8, 33672), (11, 33708),

Gene: EndAve_40 Start: 32835, Stop: 33008, Start Num: 3
Candidate Starts for EndAve_40:
(Start: 3 @32835 has 42 MA's), (8, 32925), (11, 32961),

Gene: Fazel_39 Start: 32311, Stop: 32484, Start Num: 3
Candidate Starts for Fazel_39:
(Start: 3 @32311 has 42 MA's), (4, 32371), (6, 32389), (11, 32437),

Gene: Figliar_40 Start: 32982, Stop: 33155, Start Num: 3
Candidate Starts for Figliar_40:
(Start: 3 @32982 has 42 MA's), (11, 33108),

Gene: FortCran_38 Start: 30361, Stop: 30537, Start Num: 3
Candidate Starts for FortCran_38:
(Start: 3 @30361 has 42 MA's), (12, 30505),

Gene: Gill_39 Start: 30808, Stop: 30984, Start Num: 3
Candidate Starts for Gill_39:
(Start: 3 @30808 has 42 MA's), (6, 30889), (11, 30937), (12, 30952),

Gene: Gravy_38 Start: 30481, Stop: 30657, Start Num: 3
Candidate Starts for Gravy_38:
(Start: 3 @30481 has 42 MA's), (6, 30562), (11, 30610), (12, 30625),

Gene: Gusicorn_43 Start: 32722, Stop: 32895, Start Num: 3
Candidate Starts for Gusicorn_43:
(Start: 3 @32722 has 42 MA's), (6, 32800), (11, 32848),

Gene: Hortihabitatio_42 Start: 32758, Stop: 32931, Start Num: 3
Candidate Starts for Hortihabitatio_42:
(Start: 3 @32758 has 42 MA's), (4, 32818), (6, 32836), (7, 32842), (11, 32884),

Gene: Hydrus_41 Start: 33591, Stop: 33764, Start Num: 3
Candidate Starts for Hydrus_41:
(Start: 3 @33591 has 42 MA's), (8, 33681), (11, 33717),

Gene: Jodelie19_41 Start: 34437, Stop: 34610, Start Num: 3
Candidate Starts for Jodelie19_41:

(Start: 3 @34437 has 42 MA's), (11, 34563),

Gene: JulesRay_40 Start: 30395, Stop: 30571, Start Num: 3

Candidate Starts for JulesRay_40:

(Start: 3 @30395 has 42 MA's), (12, 30539),

Gene: Kenosha_40 Start: 33483, Stop: 33656, Start Num: 3

Candidate Starts for Kenosha_40:

(Start: 3 @33483 has 42 MA's), (8, 33573), (11, 33609),

Gene: Kerry_38 Start: 30481, Stop: 30657, Start Num: 3

Candidate Starts for Kerry_38:

(Start: 3 @30481 has 42 MA's), (6, 30562), (11, 30610), (12, 30625),

Gene: Madvan_40 Start: 32714, Stop: 32887, Start Num: 3

Candidate Starts for Madvan_40:

(Start: 3 @32714 has 42 MA's), (8, 32804), (11, 32840),

Gene: Magel_40 Start: 30712, Stop: 30888, Start Num: 3

Candidate Starts for Magel_40:

(Start: 3 @30712 has 42 MA's), (6, 30793), (11, 30841), (12, 30856),

Gene: MajinBuu_41 Start: 33009, Stop: 33182, Start Num: 3

Candidate Starts for MajinBuu_41:

(Start: 3 @33009 has 42 MA's), (11, 33135),

Gene: Mysticmoon_41 Start: 33056, Stop: 33229, Start Num: 3

Candidate Starts for Mysticmoon_41:

(Start: 3 @33056 has 42 MA's), (4, 33116), (6, 33134),

Gene: Nadmeg_41 Start: 34146, Stop: 34319, Start Num: 3

Candidate Starts for Nadmeg_41:

(Start: 3 @34146 has 42 MA's), (8, 34236), (11, 34272),

Gene: Nithya_39 Start: 32656, Stop: 32829, Start Num: 3

Candidate Starts for Nithya_39:

(Start: 3 @32656 has 42 MA's), (8, 32746), (11, 32782),

Gene: NoPickles_38 Start: 30113, Stop: 30289, Start Num: 3

Candidate Starts for NoPickles_38:

(Start: 3 @30113 has 42 MA's), (6, 30194), (11, 30242), (12, 30257),

Gene: Odesza_38 Start: 30482, Stop: 30658, Start Num: 3

Candidate Starts for Odesza_38:

(Start: 3 @30482 has 42 MA's), (6, 30563), (11, 30611), (12, 30626),

Gene: OlgasClover_40 Start: 33721, Stop: 33894, Start Num: 3

Candidate Starts for OlgasClover_40:

(Start: 3 @33721 has 42 MA's), (11, 33847),

Gene: Pepy6_043 Start: 39982, Stop: 40149, Start Num: 3

Candidate Starts for Pepy6_043:

(1, 39955), (Start: 3 @39982 has 42 MA's), (9, 40087), (10, 40096), (13, 40126),

Gene: Perkunas_40 Start: 30763, Stop: 30936, Start Num: 3
Candidate Starts for Perkunas_40:
(Start: 3 @30763 has 42 MA's), (6, 30844), (11, 30892),

Gene: Petito_40 Start: 31866, Stop: 32042, Start Num: 3
Candidate Starts for Petito_40:
(Start: 3 @31866 has 42 MA's), (12, 32010),

Gene: Phepper_40 Start: 32713, Stop: 32886, Start Num: 3
Candidate Starts for Phepper_40:
(Start: 3 @32713 has 42 MA's), (8, 32803), (11, 32839),

Gene: Pherobrine_41 Start: 33357, Stop: 33530, Start Num: 3
Candidate Starts for Pherobrine_41:
(Start: 3 @33357 has 42 MA's), (4, 33417), (6, 33435),

Gene: Poco6_044 Start: 42042, Stop: 42242, Start Num: 1
Candidate Starts for Poco6_044:
(1, 42042), (Start: 3 @42069 has 42 MA's), (9, 42174), (10, 42183), (13, 42213), (14, 42219),

Gene: Rickmore_37 Start: 30767, Stop: 30940, Start Num: 3
Candidate Starts for Rickmore_37:
(Start: 3 @30767 has 42 MA's), (6, 30845), (11, 30893),

Gene: Roney_39 Start: 30803, Stop: 30979, Start Num: 3
Candidate Starts for Roney_39:
(Start: 3 @30803 has 42 MA's), (6, 30884), (11, 30932), (12, 30947),

Gene: Runhaar_40 Start: 32714, Stop: 32887, Start Num: 3
Candidate Starts for Runhaar_40:
(Start: 3 @32714 has 42 MA's), (8, 32804), (11, 32840),

Gene: Schwartz33_41 Start: 33151, Stop: 33324, Start Num: 3
Candidate Starts for Schwartz33_41:
(1, 33124), (Start: 3 @33151 has 42 MA's), (6, 33229), (8, 33241), (11, 33277),

Gene: Secretariat_39 Start: 32092, Stop: 32268, Start Num: 3
Candidate Starts for Secretariat_39:
(Start: 3 @32092 has 42 MA's), (5, 32170), (12, 32236),

Gene: ShaggyRogers_44 Start: 32720, Stop: 32893, Start Num: 3
Candidate Starts for ShaggyRogers_44:
(Start: 3 @32720 has 42 MA's), (6, 32798), (11, 32846),

Gene: Talon44_41 Start: 30778, Stop: 30951, Start Num: 3
Candidate Starts for Talon44_41:
(Start: 3 @30778 has 42 MA's), (6, 30859), (11, 30907),

Gene: Tanis_39 Start: 30654, Stop: 30830, Start Num: 3
Candidate Starts for Tanis_39:
(Start: 3 @30654 has 42 MA's), (6, 30735), (11, 30783), (12, 30798),

Gene: TenaciousP_40 Start: 34101, Stop: 34274, Start Num: 3
Candidate Starts for TenaciousP_40:
(Start: 3 @34101 has 42 MA's), (11, 34227),

Gene: Untouchable_40 Start: 33073, Stop: 33246, Start Num: 3
Candidate Starts for Untouchable_40:
(Start: 3 @33073 has 42 MA's), (8, 33163), (11, 33199),

Gene: Vardy_40 Start: 32680, Stop: 32853, Start Num: 3
Candidate Starts for Vardy_40:
(Start: 3 @32680 has 42 MA's), (8, 32770), (11, 32806),

Gene: Zeph_41 Start: 33571, Stop: 33744, Start Num: 3
Candidate Starts for Zeph_41:
(Start: 3 @33571 has 42 MA's), (8, 33661), (11, 33697),