Pham 343975


1: Crocheter_72 + 4
2: Bugg_78 + 16
3: Magel_74 + 8
4: Zeph_74 + 5
5: Figliar_70 + 8
6: Tonaltzin_70
7: Vardy_71 + 1
8: Duffington_71 + 2
9: Glintora_73
10: Pherobrine_75 + 3
11: Madvan_72 + 3
12: Secretariat_78
13: Kenosha_71
14: Conley_73
15: Fazel_78
16: ShaggyRogers_72
17: Petito_77
18: Schwartz33_74

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 343975 Report

This analysis was run 11/14/26 on database version 672.

Pham number 343975 has 68 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Crocheter_72, Aloe25_73, PestoPenguin_74, BetterYeti_72, Gusicorn_73
• Track 2 : Bugg_78, Dancer_75, Talon44_77, OhMyWard_71, JulesRay_75, Trufflozitus_76, ChickyNuggy_78, Blanky_70, Captrips_74, Mossy_75, Avazak_76, Artorias_75, Football_77, FortCran_75, NoPickles_74, Tairn4Wing_77, Citrus_71
• Track 3 : Magel_74, Odesza_72, Eddiemania_74, Tanis_73, Kerry_72, Capybara_73, Roney_73, Gill_73, Gravy_72
• Track 4 : Zeph_74, ArtetaBall_71, Arataki_71, Demure_71, Hydrus_74, Dialga_73
• Track 5 : Figliar_70, TenaciousP_72, Aflac_71, EndAve_73, MajinBuu_72, Jodelie19_70, AlainaMarie_71, Rickmore_69, BluerMoon_70
• Track 6 : Tonaltzin_70
• Track 7 : Vardy_71, Burley_72
• Track 8 : Duffington_71, Chikenjars_70, OlgasClover_72
• Track 9 : Glintora_73
• Track 10 : Pherobrine_75, SweetCrkHerbs_77, Mysticmoon_75, Perkunas_76
• Track 11 : Madvan_72, Phepper_73, Untouchable_74, Nadmeg_73
• Track 12 : Secretariat_73
• Track 13 : Kenosha_71
• Track 14 : Conley_73
• Track 15 : Fazel_78
• Track 16 : ShaggyRogers_72
• Track 17 : Petito_77
• Track 18 : Schwartz33_74

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 59 of the 59 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aflac_71, AlainaMarie_71, Aloe25_73, Arataki_71, ArtetaBall_71, Artorias_75, Avazak_76, BetterYeti_72, Blanky_70, BluerMoon_70, Bugg_78, Burley_72, Captrips_74, Capybara_73, ChickyNuggy_78, Chikenjars_70, Citrus_71, Conley_73, Crocheter_72, Dancer_75, Demure_71, Dialga_73, Duffington_71, Eddiemania_74, EndAve_73, Fazel_78, Figliar_70, Football_77, FortCran_75, Gill_73, Glintora_73,

Gravy_72, Gusicorn_73, Hydrus_74, Jodelie19_70, JulesRay_75, Kenosha_71, Kerry_72, Madvan_72, Magel_74, MajinBuu_72, Mossy_75, Mysticmoon_75, Nadmeg_73, NoPickles_74, Odesza_72, OhMyWard_71, OlgasClover_72, Perkunas_76, PestoPenguin_74, Petito_77, Phepper_73, Pherobrine_75, Rickmore_69, Roney_73, Schwartz33_74, Secretariat_73, ShaggyRogers_72, SweetCrkHerbs_77, Tairn4Wing_77, Talon44_77, Tanis_73, TenaciousP_72, Tonaltzin_70, Trufflozitus_76, Untouchable_74, Vardy_71, Zeph_74,

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

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

Summary by start number:

Start 3:
• Found in 68 of 68 (100.0%) of genes in pham
• Manual Annotations of this start: 59 of 59
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aflac_71 (DJ), AlainaMarie_71 (DJ), Aloe25_73 (DJ), Arataki_71 (DJ), ArtetaBall_71 (DJ), Artorias_75 (DJ), Avazak_76 (DJ), BetterYeti_72 (DJ), Blanky_70 (DJ), BluerMoon_70 (DJ), Bugg_78 (DJ), Burley_72 (DJ), Captrips_74 (DJ), Capybara_73 (DJ), ChickyNuggy_78 (DJ), Chikenjars_70 (DJ), Citrus_71 (DJ), Conley_73 (DJ), Crocheter_72 (DJ), Dancer_75 (DJ), Demure_71 (DJ), Dialga_73 (DJ), Duffington_71 (DJ), Eddiemania_74 (DJ), EndAve_73 (DJ), Fazel_78 (DJ), Figliar_70 (DJ), Football_77 (DJ), FortCran_75 (DJ), Gill_73 (DJ), Glintora_73 (DJ), Gravy_72 (DJ), Gusicorn_73 (DJ), Hydrus_74 (DJ), Jodelie19_70 (DJ), JulesRay_75 (DJ), Kenosha_71 (DJ), Kerry_72 (DJ), Madvan_72 (DJ), Magel_74 (DJ), MajinBuu_72 (DJ), Mossy_75 (DJ), Mysticmoon_75 (DJ), Nadmeg_73 (DJ), NoPickles_74 (DJ), Odesza_72 (DJ), OhMyWard_71 (DJ), OlgasClover_72 (DJ), Perkunas_76 (DJ), PestoPenguin_74 (DJ), Petito_77 (DJ), Phepper_73 (DJ), Pherobrine_75 (DJ), Rickmore_69 (DJ), Roney_73 (DJ), Schwartz33_74 (DJ), Secretariat_73 (DJ), ShaggyRogers_72 (DJ), SweetCrkHerbs_77 (DJ), Tairn4Wing_77 (DJ), Talon44_77 (DJ), Tanis_73 (DJ), TenaciousP_72 (DJ), Tonaltzin_70 (DJ), Trufflozitus_76 (DJ), Untouchable_74 (DJ), Vardy_71 (DJ), Zeph_74 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:
•Start number 3 was manually annotated 59 times for cluster DJ.

Gene Information:

Gene: Aflac_71 Start: 50291, Stop: 50503, Start Num: 3
Candidate Starts for Aflac_71:
(Start: 3 @50291 has 59 MA's), (11, 50462),

Gene: AlainaMarie_71 Start: 50332, Stop: 50544, Start Num: 3
Candidate Starts for AlainaMarie_71:
(Start: 3 @50332 has 59 MA's), (11, 50503),

Gene: Aloe25_73 Start: 50134, Stop: 50346, Start Num: 3
Candidate Starts for Aloe25_73:
(Start: 3 @50134 has 59 MA's), (4, 50155), (10, 50302), (11, 50305),

Gene: Arataki_71 Start: 49761, Stop: 49973, Start Num: 3
Candidate Starts for Arataki_71:
(Start: 3 @49761 has 59 MA's), (11, 49932),

Gene: ArtetaBall_71 Start: 50324, Stop: 50536, Start Num: 3
Candidate Starts for ArtetaBall_71:
(Start: 3 @50324 has 59 MA's), (11, 50495),

Gene: Artorias_75 Start: 50322, Stop: 50510, Start Num: 3
Candidate Starts for Artorias_75:
(Start: 3 @50322 has 59 MA's),

Gene: Avazak_76 Start: 51004, Stop: 51192, Start Num: 3
Candidate Starts for Avazak_76:
(Start: 3 @51004 has 59 MA's),

Gene: BetterYeti_72 Start: 50133, Stop: 50345, Start Num: 3
Candidate Starts for BetterYeti_72:
(Start: 3 @50133 has 59 MA's), (4, 50154), (10, 50301), (11, 50304),

Gene: Blanky_70 Start: 51613, Stop: 51831, Start Num: 3
Candidate Starts for Blanky_70:
(Start: 3 @51613 has 59 MA's),

Gene: BluerMoon_70 Start: 50243, Stop: 50455, Start Num: 3
Candidate Starts for BluerMoon_70:
(Start: 3 @50243 has 59 MA's), (11, 50414),

Gene: Bugg_78 Start: 50367, Stop: 50555, Start Num: 3
Candidate Starts for Bugg_78:
(Start: 3 @50367 has 59 MA's),

Gene: Burley_72 Start: 49780, Stop: 49992, Start Num: 3
Candidate Starts for Burley_72:
(Start: 3 @49780 has 59 MA's), (9, 49906), (11, 49951),

Gene: Captrips_74 Start: 50152, Stop: 50340, Start Num: 3
Candidate Starts for Captrips_74:
(Start: 3 @50152 has 59 MA's),

Gene: Capybara_73 Start: 49991, Stop: 50179, Start Num: 3
Candidate Starts for Capybara_73:
(Start: 3 @49991 has 59 MA's),

Gene: ChickyNuggy_78 Start: 50746, Stop: 50934, Start Num: 3

Candidate Starts for ChickyNuggy_78:
(Start: 3 @50746 has 59 MA's),

Gene: Chikenjars_70 Start: 50364, Stop: 50576, Start Num: 3
Candidate Starts for Chikenjars_70:
(Start: 3 @50364 has 59 MA's), (11, 50535),

Gene: Citrus_71 Start: 50625, Stop: 50837, Start Num: 3
Candidate Starts for Citrus_71:
(Start: 3 @50625 has 59 MA's),

Gene: Conley_73 Start: 50629, Stop: 50817, Start Num: 3
Candidate Starts for Conley_73:
(Start: 3 @50629 has 59 MA's), (5, 50662), (7, 50698),

Gene: Crocheter_72 Start: 50227, Stop: 50439, Start Num: 3
Candidate Starts for Crocheter_72:
(Start: 3 @50227 has 59 MA's), (4, 50248), (10, 50395), (11, 50398),

Gene: Dancer_75 Start: 50059, Stop: 50247, Start Num: 3
Candidate Starts for Dancer_75:
(Start: 3 @50059 has 59 MA's),

Gene: Demure_71 Start: 49761, Stop: 49973, Start Num: 3
Candidate Starts for Demure_71:
(Start: 3 @49761 has 59 MA's), (11, 49932),

Gene: Dialga_73 Start: 50343, Stop: 50555, Start Num: 3
Candidate Starts for Dialga_73:
(Start: 3 @50343 has 59 MA's), (11, 50514),

Gene: Duffington_71 Start: 50297, Stop: 50509, Start Num: 3
Candidate Starts for Duffington_71:
(Start: 3 @50297 has 59 MA's), (11, 50468),

Gene: Eddiemania_74 Start: 50969, Stop: 51187, Start Num: 3
Candidate Starts for Eddiemania_74:
(Start: 3 @50969 has 59 MA's),

Gene: EndAve_73 Start: 50519, Stop: 50731, Start Num: 3
Candidate Starts for EndAve_73:
(Start: 3 @50519 has 59 MA's), (11, 50690),

Gene: Fazel_78 Start: 51297, Stop: 51518, Start Num: 3
Candidate Starts for Fazel_78:
(Start: 3 @51297 has 59 MA's), (8, 51414), (9, 51423),

Gene: Figliar_70 Start: 50360, Stop: 50572, Start Num: 3
Candidate Starts for Figliar_70:
(Start: 3 @50360 has 59 MA's), (11, 50531),

Gene: Football_77 Start: 49950, Stop: 50138, Start Num: 3
Candidate Starts for Football_77:

(Start: 3 @49950 has 59 MA's),

Gene: FortCran_75 Start: 50322, Stop: 50510, Start Num: 3
Candidate Starts for FortCran_75:
(Start: 3 @50322 has 59 MA's),

Gene: Gill_73 Start: 50003, Stop: 50191, Start Num: 3
Candidate Starts for Gill_73:
(Start: 3 @50003 has 59 MA's),

Gene: Glintora_73 Start: 50952, Stop: 51164, Start Num: 3
Candidate Starts for Glintora_73:
(Start: 3 @50952 has 59 MA's), (8, 51069), (9, 51078), (11, 51123),

Gene: Gravy_72 Start: 49681, Stop: 49869, Start Num: 3
Candidate Starts for Gravy_72:
(Start: 3 @49681 has 59 MA's),

Gene: Gusicorn_73 Start: 50134, Stop: 50346, Start Num: 3
Candidate Starts for Gusicorn_73:
(Start: 3 @50134 has 59 MA's), (4, 50155), (10, 50302), (11, 50305),

Gene: Hydrus_74 Start: 50945, Stop: 51157, Start Num: 3
Candidate Starts for Hydrus_74:
(Start: 3 @50945 has 59 MA's), (11, 51116),

Gene: Jodelie19_70 Start: 51527, Stop: 51739, Start Num: 3
Candidate Starts for Jodelie19_70:
(Start: 3 @51527 has 59 MA's), (11, 51698),

Gene: JulesRay_75 Start: 50671, Stop: 50859, Start Num: 3
Candidate Starts for JulesRay_75:
(Start: 3 @50671 has 59 MA's),

Gene: Kenosha_71 Start: 50371, Stop: 50583, Start Num: 3
Candidate Starts for Kenosha_71:
(Start: 3 @50371 has 59 MA's), (9, 50497), (11, 50542),

Gene: Kerry_72 Start: 49744, Stop: 49932, Start Num: 3
Candidate Starts for Kerry_72:
(Start: 3 @49744 has 59 MA's),

Gene: Madvan_72 Start: 49833, Stop: 50045, Start Num: 3
Candidate Starts for Madvan_72:
(Start: 3 @49833 has 59 MA's), (9, 49959), (11, 50004),

Gene: Magel_74 Start: 49918, Stop: 50106, Start Num: 3
Candidate Starts for Magel_74:
(Start: 3 @49918 has 59 MA's),

Gene: MajinBuu_72 Start: 50742, Stop: 50954, Start Num: 3
Candidate Starts for MajinBuu_72:
(Start: 3 @50742 has 59 MA's), (11, 50913),

Gene: Mossy_75 Start: 51825, Stop: 52043, Start Num: 3
Candidate Starts for Mossy_75:
(Start: 3 @51825 has 59 MA's),

Gene: Mysticmoon_75 Start: 51515, Stop: 51736, Start Num: 3
Candidate Starts for Mysticmoon_75:
(Start: 3 @51515 has 59 MA's), (9, 51641),

Gene: Nadmeg_73 Start: 51062, Stop: 51274, Start Num: 3
Candidate Starts for Nadmeg_73:
(Start: 3 @51062 has 59 MA's), (9, 51188), (11, 51233),

Gene: NoPickles_74 Start: 49838, Stop: 50026, Start Num: 3
Candidate Starts for NoPickles_74:
(Start: 3 @49838 has 59 MA's),

Gene: Odesza_72 Start: 49862, Stop: 50050, Start Num: 3
Candidate Starts for Odesza_72:
(Start: 3 @49862 has 59 MA's),

Gene: OhMyWard_71 Start: 51584, Stop: 51802, Start Num: 3
Candidate Starts for OhMyWard_71:
(Start: 3 @51584 has 59 MA's),

Gene: OlgasClover_72 Start: 50869, Stop: 51081, Start Num: 3
Candidate Starts for OlgasClover_72:
(Start: 3 @50869 has 59 MA's), (11, 51040),

Gene: Perkunas_76 Start: 50055, Stop: 50246, Start Num: 3
Candidate Starts for Perkunas_76:
(Start: 3 @50055 has 59 MA's), (9, 50175),

Gene: PestoPenguin_74 Start: 50134, Stop: 50346, Start Num: 3
Candidate Starts for PestoPenguin_74:
(Start: 3 @50134 has 59 MA's), (4, 50155), (10, 50302), (11, 50305),

Gene: Petito_77 Start: 51575, Stop: 51763, Start Num: 3
Candidate Starts for Petito_77:
(Start: 3 @51575 has 59 MA's), (5, 51608), (7, 51644),

Gene: Phepper_73 Start: 50075, Stop: 50287, Start Num: 3
Candidate Starts for Phepper_73:
(Start: 3 @50075 has 59 MA's), (9, 50201), (11, 50246),

Gene: Pherobrine_75 Start: 51570, Stop: 51791, Start Num: 3
Candidate Starts for Pherobrine_75:
(Start: 3 @51570 has 59 MA's), (9, 51696),

Gene: Rickmore_69 Start: 48736, Stop: 48948, Start Num: 3
Candidate Starts for Rickmore_69:
(Start: 3 @48736 has 59 MA's), (11, 48907),

Gene: Roney_73 Start: 50028, Stop: 50216, Start Num: 3
Candidate Starts for Roney_73:
(Start: 3 @50028 has 59 MA's),

Gene: Schwartz33_74 Start: 50435, Stop: 50632, Start Num: 3
Candidate Starts for Schwartz33_74:
(Start: 3 @50435 has 59 MA's), (6, 50492), (10, 50603), (12, 50615),

Gene: Secretariat_73 Start: 49782, Stop: 49979, Start Num: 3
Candidate Starts for Secretariat_73:
(1, 49755), (2, 49764), (Start: 3 @49782 has 59 MA's), (8, 49899), (12, 49962),

Gene: ShaggyRogers_72 Start: 49868, Stop: 50080, Start Num: 3
Candidate Starts for ShaggyRogers_72:
(Start: 3 @49868 has 59 MA's), (4, 49889), (10, 50036),

Gene: SweetCrkHerbs_77 Start: 50067, Stop: 50258, Start Num: 3
Candidate Starts for SweetCrkHerbs_77:
(Start: 3 @50067 has 59 MA's), (9, 50187),

Gene: Tairn4Wing_77 Start: 50160, Stop: 50348, Start Num: 3
Candidate Starts for Tairn4Wing_77:
(Start: 3 @50160 has 59 MA's),

Gene: Talon44_77 Start: 50790, Stop: 50978, Start Num: 3
Candidate Starts for Talon44_77:
(Start: 3 @50790 has 59 MA's),

Gene: Tanis_73 Start: 49848, Stop: 50036, Start Num: 3
Candidate Starts for Tanis_73:
(Start: 3 @49848 has 59 MA's),

Gene: TenaciousP_72 Start: 51489, Stop: 51701, Start Num: 3
Candidate Starts for TenaciousP_72:
(Start: 3 @51489 has 59 MA's), (11, 51660),

Gene: Tonaltzin_70 Start: 50059, Stop: 50271, Start Num: 3
Candidate Starts for Tonaltzin_70:
(Start: 3 @50059 has 59 MA's), (8, 50176), (11, 50230),

Gene: Trufflozitus_76 Start: 50675, Stop: 50863, Start Num: 3
Candidate Starts for Trufflozitus_76:
(Start: 3 @50675 has 59 MA's),

Gene: Untouchable_74 Start: 51072, Stop: 51284, Start Num: 3
Candidate Starts for Untouchable_74:
(Start: 3 @51072 has 59 MA's), (9, 51198), (11, 51243),

Gene: Vardy_71 Start: 49774, Stop: 49986, Start Num: 3
Candidate Starts for Vardy_71:
(Start: 3 @49774 has 59 MA's), (9, 49900), (11, 49945),

Gene: Zeph_74 Start: 50912, Stop: 51124, Start Num: 3

Candidate Starts for Zeph_74:
(Start: 3 @50912 has 59 MA's), (11, 51083),