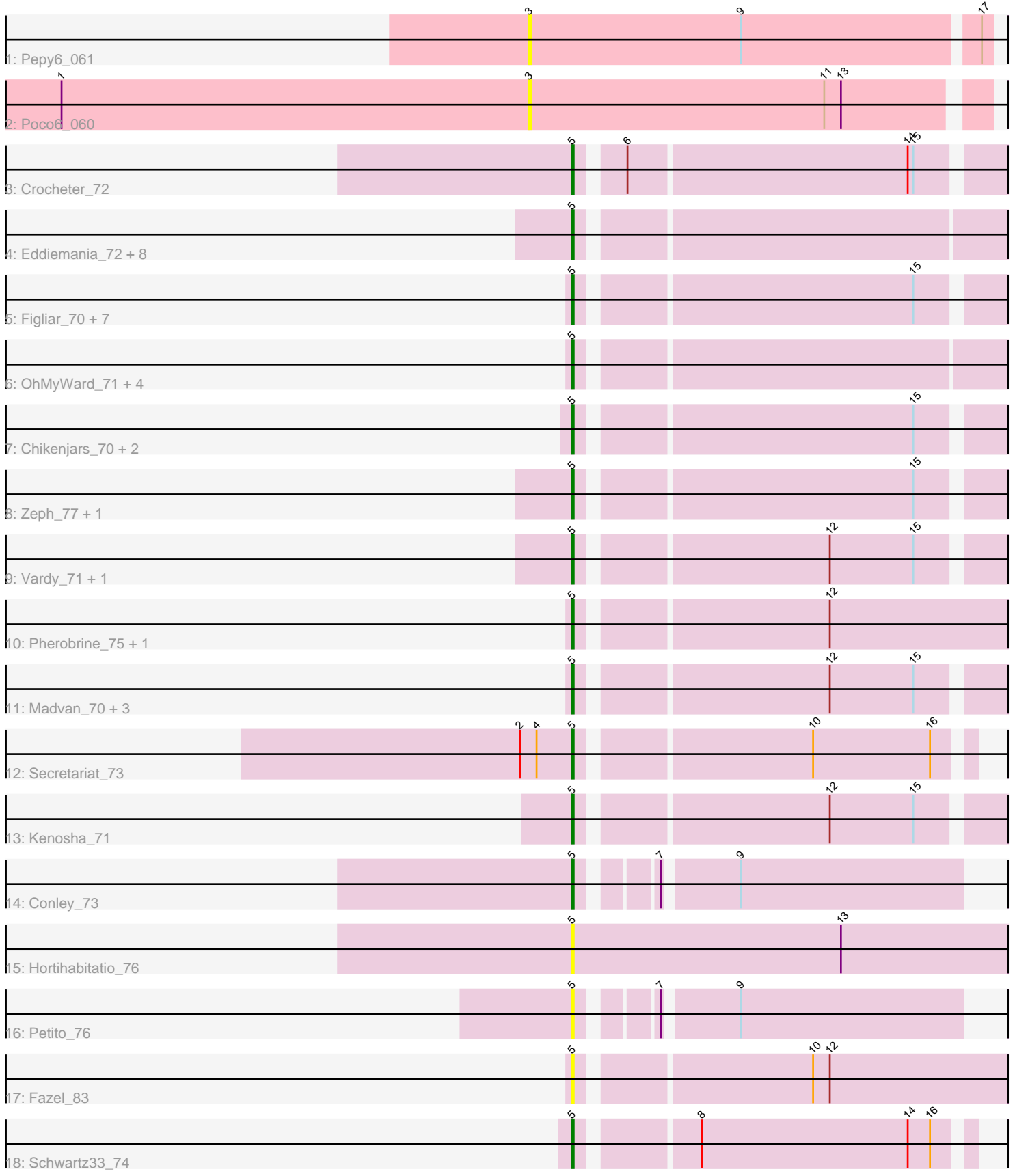


Pham 161977



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 161977 Report

This analysis was run 04/28/24 on database version 559.

Pham number 161977 has 45 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Pepy6_061
- Track 2 : Poco6_060
- Track 3 : Crocheter_72
- Track 4 : Eddiemania_72, Odesza_72, Magel_74, Tanis_73, Roney_73, Kerry_72, Capybara_74, Gravy_72, Gill_73
- Track 5 : Figliar_70, TenaciousP_77, Aflac_71, EndAve_73, Jodelie19_70, AlainaMarie_71, Rickmore_69, BluerMoon_73
- Track 6 : OhMyWard_71, Mossy_75, Avazak_76, Artorias_75, FortCran_79
- Track 7 : Chikenjars_70, Duffington_71, OlgasClover_72
- Track 8 : Zeph_77, Hydrus_74
- Track 9 : Vardy_71, Burley_72
- Track 10 : Pherobrine_75, Perkunas_77
- Track 11 : Madvan_70, Phepper_73, Untouchable_74, Nadmeg_73
- Track 12 : Secretariat_73
- Track 13 : Kenosha_71
- Track 14 : Conley_73
- Track 15 : Hortihabitatio_76
- Track 16 : Petite_76
- Track 17 : Fazel_83
- 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 5, it was called in 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_71, AlainaMarie_71, Artorias_75, Avazak_76, BluerMoon_73, Burley_72, Capybara_74, Chikenjars_70, Conley_73, Crocheter_72, Duffington_71, Eddiemania_72, EndAve_73, Fazel_83, Figliar_70, FortCran_79, Gill_73, Gravy_72, Hortihabitatio_76, Hydrus_74, Jodelie19_70, Kenosha_71, Kerry_72, Madvan_70, Magel_74, Mossy_75, Nadmeg_73, Odesza_72, OhMyWard_71, OlgasClover_72, Perkunas_77, Petite_76, Phepper_73, Pherobrine_75, Rickmore_69, Roney_73, Schwartz33_74, Secretariat_73, Tanis_73, TenaciousP_77, Untouchable_74,

Vardy_71, Zeph_77,

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

-

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

- Pepy6_061, Poco6_060,

Summary by start number:

Start 3:

- Found in 2 of 45 (4.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pepy6_061 (CC), Poco6_060 (CC),

Start 5:

- Found in 43 of 45 (95.6%) of genes in pham
- Manual Annotations of this start: 32 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aflac_71 (DJ), AlainaMarie_71 (DJ), Artorias_75 (DJ), Avazak_76 (DJ), BluerMoon_73 (DJ), Burley_72 (DJ), Capybara_74 (DJ), Chikenjars_70 (DJ), Conley_73 (DJ), Crocheter_72 (DJ), Duffington_71 (DJ), Eddiemania_72 (DJ), EndAve_73 (DJ), Fazel_83 (DJ), Figliar_70 (DJ), FortCran_79 (DJ), Gill_73 (DJ), Gravy_72 (DJ), Hortihabitatio_76 (DJ), Hydrus_74 (DJ), Jodelie19_70 (DJ), Kenosha_71 (DJ), Kerry_72 (DJ), Madvan_70 (DJ), Magel_74 (DJ), Mossy_75 (DJ), Nadmeg_73 (DJ), Odesza_72 (DJ), OhMyWard_71 (DJ), OlgasClover_72 (DJ), Perkunas_77 (DJ), Petite_76 (DJ), Phepper_73 (DJ), Pherobrine_75 (DJ), Rickmore_69 (DJ), Roney_73 (DJ), Schwartz33_74 (DJ), Secretariat_73 (DJ), Tanis_73 (DJ), TenaciousP_77 (DJ), Untouchable_74 (DJ), Vardy_71 (DJ), Zeph_77 (DJ),

Summary by clusters:

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

Info for manual annotations of cluster DJ:

- Start number 5 was manually annotated 32 times for cluster DJ.

Gene Information:

Gene: Aflac_71 Start: 50291, Stop: 50503, Start Num: 5

Candidate Starts for Aflac_71:

(Start: 5 @50291 has 32 MA's), (15, 50462),

Gene: AlainaMarie_71 Start: 50332, Stop: 50544, Start Num: 5

Candidate Starts for AlainaMarie_71:

(Start: 5 @50332 has 32 MA's), (15, 50503),

Gene: Artorias_75 Start: 50322, Stop: 50510, Start Num: 5

Candidate Starts for Artorias_75:
(Start: 5 @50322 has 32 MA's),

Gene: Avazak_76 Start: 51004, Stop: 51192, Start Num: 5
Candidate Starts for Avazak_76:
(Start: 5 @51004 has 32 MA's),

Gene: BluerMoon_73 Start: 50243, Stop: 50455, Start Num: 5
Candidate Starts for BluerMoon_73:
(Start: 5 @50243 has 32 MA's), (15, 50414),

Gene: Burley_72 Start: 49780, Stop: 49992, Start Num: 5
Candidate Starts for Burley_72:
(Start: 5 @49780 has 32 MA's), (12, 49906), (15, 49951),

Gene: Capybara_74 Start: 49991, Stop: 50179, Start Num: 5
Candidate Starts for Capybara_74:
(Start: 5 @49991 has 32 MA's),

Gene: Chikenjars_70 Start: 50364, Stop: 50576, Start Num: 5
Candidate Starts for Chikenjars_70:
(Start: 5 @50364 has 32 MA's), (15, 50535),

Gene: Conley_73 Start: 50629, Stop: 50817, Start Num: 5
Candidate Starts for Conley_73:
(Start: 5 @50629 has 32 MA's), (7, 50662), (9, 50698),

Gene: Crocheter_72 Start: 50227, Stop: 50439, Start Num: 5
Candidate Starts for Crocheter_72:
(Start: 5 @50227 has 32 MA's), (6, 50248), (14, 50395), (15, 50398),

Gene: Duffington_71 Start: 50297, Stop: 50509, Start Num: 5
Candidate Starts for Duffington_71:
(Start: 5 @50297 has 32 MA's), (15, 50468),

Gene: Eddiemania_72 Start: 50969, Stop: 51187, Start Num: 5
Candidate Starts for Eddiemania_72:
(Start: 5 @50969 has 32 MA's),

Gene: EndAve_73 Start: 50519, Stop: 50731, Start Num: 5
Candidate Starts for EndAve_73:
(Start: 5 @50519 has 32 MA's), (15, 50690),

Gene: Fazel_83 Start: 51297, Stop: 51518, Start Num: 5
Candidate Starts for Fazel_83:
(Start: 5 @51297 has 32 MA's), (10, 51414), (12, 51423),

Gene: Figliar_70 Start: 50360, Stop: 50572, Start Num: 5
Candidate Starts for Figliar_70:
(Start: 5 @50360 has 32 MA's), (15, 50531),

Gene: FortCran_79 Start: 50322, Stop: 50510, Start Num: 5
Candidate Starts for FortCran_79:

(Start: 5 @50322 has 32 MA's),

Gene: Gill_73 Start: 50003, Stop: 50191, Start Num: 5

Candidate Starts for Gill_73:

(Start: 5 @50003 has 32 MA's),

Gene: Gravy_72 Start: 49681, Stop: 49869, Start Num: 5

Candidate Starts for Gravy_72:

(Start: 5 @49681 has 32 MA's),

Gene: Hortihabitatio_76 Start: 51514, Stop: 51747, Start Num: 5

Candidate Starts for Hortihabitatio_76:

(Start: 5 @51514 has 32 MA's), (13, 51658),

Gene: Hydrus_74 Start: 50945, Stop: 51157, Start Num: 5

Candidate Starts for Hydrus_74:

(Start: 5 @50945 has 32 MA's), (15, 51116),

Gene: Jodelie19_70 Start: 51527, Stop: 51739, Start Num: 5

Candidate Starts for Jodelie19_70:

(Start: 5 @51527 has 32 MA's), (15, 51698),

Gene: Kenosha_71 Start: 50371, Stop: 50583, Start Num: 5

Candidate Starts for Kenosha_71:

(Start: 5 @50371 has 32 MA's), (12, 50497), (15, 50542),

Gene: Kerry_72 Start: 49744, Stop: 49932, Start Num: 5

Candidate Starts for Kerry_72:

(Start: 5 @49744 has 32 MA's),

Gene: Madvan_70 Start: 49833, Stop: 50045, Start Num: 5

Candidate Starts for Madvan_70:

(Start: 5 @49833 has 32 MA's), (12, 49959), (15, 50004),

Gene: Magel_74 Start: 49918, Stop: 50106, Start Num: 5

Candidate Starts for Magel_74:

(Start: 5 @49918 has 32 MA's),

Gene: Mossy_75 Start: 51825, Stop: 52043, Start Num: 5

Candidate Starts for Mossy_75:

(Start: 5 @51825 has 32 MA's),

Gene: Nadmeg_73 Start: 51062, Stop: 51274, Start Num: 5

Candidate Starts for Nadmeg_73:

(Start: 5 @51062 has 32 MA's), (12, 51188), (15, 51233),

Gene: Odesza_72 Start: 49862, Stop: 50050, Start Num: 5

Candidate Starts for Odesza_72:

(Start: 5 @49862 has 32 MA's),

Gene: OhMyWard_71 Start: 51584, Stop: 51802, Start Num: 5

Candidate Starts for OhMyWard_71:

(Start: 5 @51584 has 32 MA's),

Gene: OlgasClover_72 Start: 50869, Stop: 51081, Start Num: 5
Candidate Starts for OlgasClover_72:
(Start: 5 @50869 has 32 MA's), (15, 51040),

Gene: Pepy6_061 Start: 65370, Stop: 65612, Start Num: 3
Candidate Starts for Pepy6_061:
(3, 65370), (9, 65484), (17, 65607),

Gene: Perkunas_77 Start: 50055, Stop: 50246, Start Num: 5
Candidate Starts for Perkunas_77:
(Start: 5 @50055 has 32 MA's), (12, 50175),

Gene: Petito_76 Start: 51575, Stop: 51763, Start Num: 5
Candidate Starts for Petito_76:
(Start: 5 @51575 has 32 MA's), (7, 51608), (9, 51644),

Gene: Phepper_73 Start: 50075, Stop: 50287, Start Num: 5
Candidate Starts for Phepper_73:
(Start: 5 @50075 has 32 MA's), (12, 50201), (15, 50246),

Gene: Pherobrine_75 Start: 51570, Stop: 51791, Start Num: 5
Candidate Starts for Pherobrine_75:
(Start: 5 @51570 has 32 MA's), (12, 51696),

Gene: Poco6_060 Start: 66117, Stop: 66356, Start Num: 3
Candidate Starts for Poco6_060:
(1, 65865), (3, 66117), (11, 66276), (13, 66285),

Gene: Rickmore_69 Start: 48736, Stop: 48948, Start Num: 5
Candidate Starts for Rickmore_69:
(Start: 5 @48736 has 32 MA's), (15, 48907),

Gene: Roney_73 Start: 50028, Stop: 50216, Start Num: 5
Candidate Starts for Roney_73:
(Start: 5 @50028 has 32 MA's),

Gene: Schwartz33_74 Start: 50435, Stop: 50632, Start Num: 5
Candidate Starts for Schwartz33_74:
(Start: 5 @50435 has 32 MA's), (8, 50492), (14, 50603), (16, 50615),

Gene: Secretariat_73 Start: 49782, Stop: 49979, Start Num: 5
Candidate Starts for Secretariat_73:
(2, 49755), (4, 49764), (Start: 5 @49782 has 32 MA's), (10, 49899), (16, 49962),

Gene: Tanis_73 Start: 49848, Stop: 50036, Start Num: 5
Candidate Starts for Tanis_73:
(Start: 5 @49848 has 32 MA's),

Gene: TenaciousP_77 Start: 51489, Stop: 51701, Start Num: 5
Candidate Starts for TenaciousP_77:
(Start: 5 @51489 has 32 MA's), (15, 51660),

Gene: Untouchable_74 Start: 51072, Stop: 51284, Start Num: 5
Candidate Starts for Untouchable_74:
(Start: 5 @51072 has 32 MA's), (12, 51198), (15, 51243),

Gene: Vardy_71 Start: 49774, Stop: 49986, Start Num: 5
Candidate Starts for Vardy_71:
(Start: 5 @49774 has 32 MA's), (12, 49900), (15, 49945),

Gene: Zeph_77 Start: 50912, Stop: 51124, Start Num: 5
Candidate Starts for Zeph_77:
(Start: 5 @50912 has 32 MA's), (15, 51083),