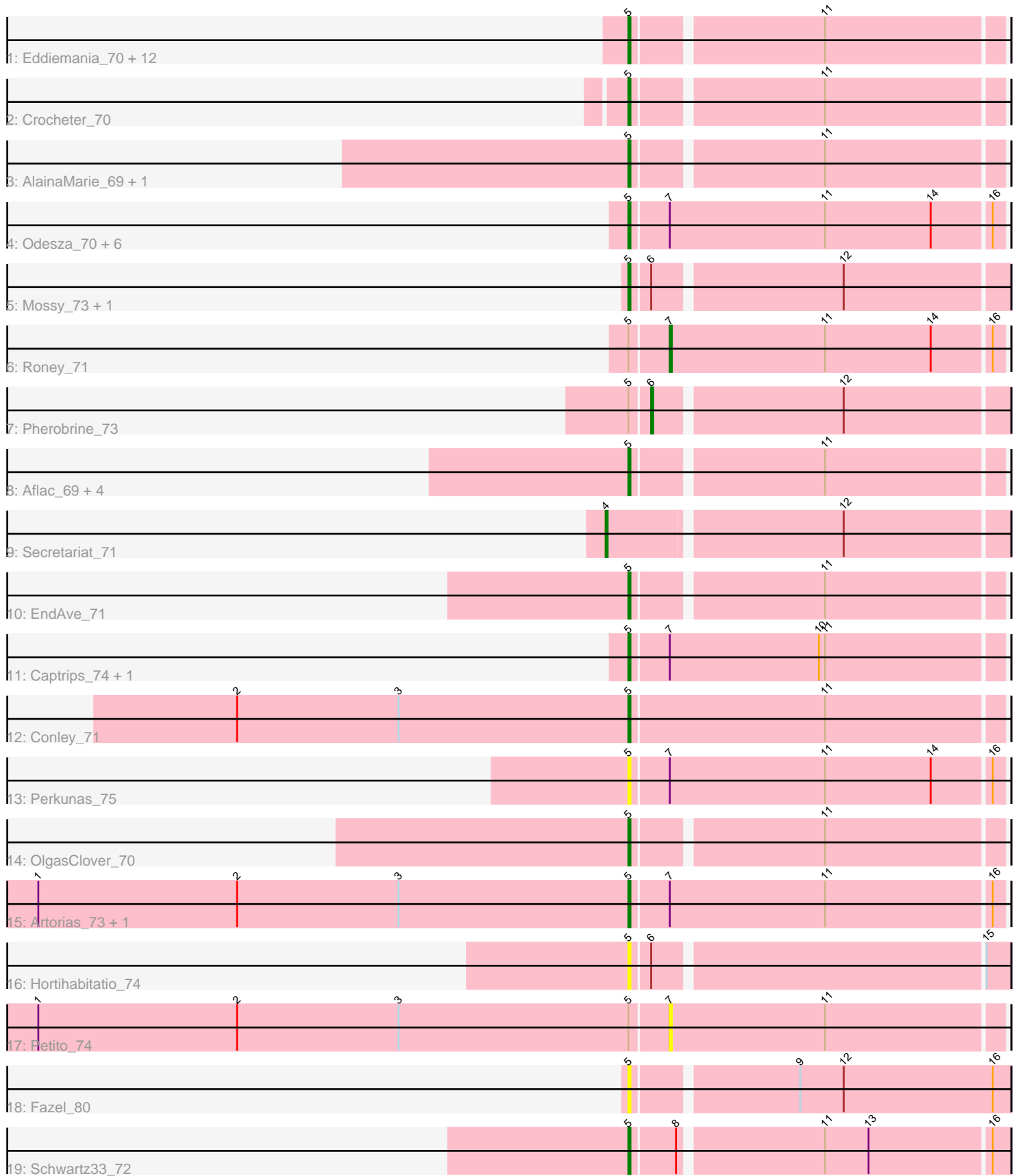


Pham 157980



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 157980 Report

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

Pham number 157980 has 45 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Eddiemania_70, Zeph_74, Kenosha_69, Jodelie19_68, TenaciousP_75, Burley_70, Phepper_71, Hydrus_72, Untouchable_72, Vardy_69, Runhaar_70, Nadmeg_71, Duffington_69
- Track 2 : Crocheter_70
- Track 3 : AlainaMarie_69, Nithya_70
- Track 4 : Odesza_70, Magel_72, Kerry_70, Tanis_71, Capybara_72, Gravy_70, Gill_71
- Track 5 : Mossy_73, OhMyWard_69
- Track 6 : Roney_71
- Track 7 : Pherobrine_73
- Track 8 : Aflac_69, Figliar_68, Rickmore_67, Chickenjars_68, BluerMoon_71
- Track 9 : Secretariat_71
- Track 10 : EndAve_71
- Track 11 : Captrips_74, Avazak_74
- Track 12 : Conley_71
- Track 13 : Perkunas_75
- Track 14 : OlgasClover_70
- Track 15 : Artorias_73, FortCran_77
- Track 16 : Hortihabitatio_74
- Track 17 : Petito_74
- Track 18 : Fazel_80
- Track 19 : Schwartz33_72

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 31 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_69, AlainaMarie_69, Artorias_73, Avazak_74, BluerMoon_71, Burley_70, Captrips_74, Capybara_72, Chickenjars_68, Conley_71, Crocheter_70, Duffington_69, Eddiemania_70, EndAve_71, Fazel_80, Figliar_68, FortCran_77, Gill_71, Gravy_70, Hortihabitatio_74, Hydrus_72, Jodelie19_68, Kenosha_69, Kerry_70, Magel_72, Mossy_73, Nadmeg_71, Nithya_70, Odesza_70, OhMyWard_69, OlgasClover_70,

Perkunas_75, Phepper_71, Rickmore_67, Runhaar_70, Schwartz33_72, Tanis_71, TenaciousP_75, Untouchable_72, Vardy_69, Zeph_74,

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

- Petito_74, Pherobrine_73, Roney_71,

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

- Secretariat_71,

Summary by start number:

Start 4:

- Found in 1 of 45 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Secretariat_71 (DJ),

Start 5:

- Found in 44 of 45 (97.8%) of genes in pham
- Manual Annotations of this start: 31 of 34
- Called 93.2% of time when present
- Phage (with cluster) where this start called: Aflac_69 (DJ), AlainaMarie_69 (DJ), Artorias_73 (DJ), Avazak_74 (DJ), BluerMoon_71 (DJ), Burley_70 (DJ), Captrips_74 (DJ), Copybara_72 (DJ), Chikenjars_68 (DJ), Conley_71 (DJ), Crocheter_70 (DJ), Duffington_69 (DJ), Eddiemania_70 (DJ), EndAve_71 (DJ), Fazel_80 (DJ), Figliar_68 (DJ), FortCran_77 (DJ), Gill_71 (DJ), Gravy_70 (DJ), Hortihabitatio_74 (DJ), Hydrus_72 (DJ), Jodelie19_68 (DJ), Kenosha_69 (DJ), Kerry_70 (DJ), Magel_72 (DJ), Mossy_73 (DJ), Nadmeg_71 (DJ), Nithya_70 (DJ), Odesza_70 (DJ), OhMyWard_69 (DJ), OlgasClover_70 (DJ), Perkunas_75 (DJ), Phepper_71 (DJ), Rickmore_67 (DJ), Runhaar_70 (DJ), Schwartz33_72 (DJ), Tanis_71 (DJ), TenaciousP_75 (DJ), Untouchable_72 (DJ), Vardy_69 (DJ), Zeph_74 (DJ),

Start 6:

- Found in 4 of 45 (8.9%) of genes in pham
- Manual Annotations of this start: 1 of 34
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Pherobrine_73 (DJ),

Start 7:

- Found in 14 of 45 (31.1%) of genes in pham
- Manual Annotations of this start: 1 of 34
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Petito_74 (DJ), Roney_71 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 4 was manually annotated 1 time for cluster DJ.
- Start number 5 was manually annotated 31 times for cluster DJ.
- Start number 6 was manually annotated 1 time for cluster DJ.
- Start number 7 was manually annotated 1 time for cluster DJ.

Gene Information:

Gene: Aflac_69 Start: 49639, Stop: 49809, Start Num: 5

Candidate Starts for Aflac_69:

(Start: 5 @49639 has 31 MA's), (11, 49726),

Gene: AlainaMarie_69 Start: 49680, Stop: 49850, Start Num: 5

Candidate Starts for AlainaMarie_69:

(Start: 5 @49680 has 31 MA's), (11, 49767),

Gene: Artorias_73 Start: 49689, Stop: 49865, Start Num: 5

Candidate Starts for Artorias_73:

(1, 49404), (2, 49500), (3, 49578), (Start: 5 @49689 has 31 MA's), (Start: 7 @49707 has 1 MA's), (11, 49782), (16, 49860),

Gene: Avazak_74 Start: 50371, Stop: 50547, Start Num: 5

Candidate Starts for Avazak_74:

(Start: 5 @50371 has 31 MA's), (Start: 7 @50389 has 1 MA's), (10, 50461), (11, 50464),

Gene: BluerMoon_71 Start: 49591, Stop: 49761, Start Num: 5

Candidate Starts for BluerMoon_71:

(Start: 5 @49591 has 31 MA's), (11, 49678),

Gene: Burley_70 Start: 49131, Stop: 49301, Start Num: 5

Candidate Starts for Burley_70:

(Start: 5 @49131 has 31 MA's), (11, 49218),

Gene: Captrips_74 Start: 49519, Stop: 49695, Start Num: 5

Candidate Starts for Captrips_74:

(Start: 5 @49519 has 31 MA's), (Start: 7 @49537 has 1 MA's), (10, 49609), (11, 49612),

Gene: Capybara_72 Start: 49357, Stop: 49533, Start Num: 5

Candidate Starts for Capybara_72:

(Start: 5 @49357 has 31 MA's), (Start: 7 @49375 has 1 MA's), (11, 49450), (14, 49501), (16, 49528),

Gene: Chikenjars_68 Start: 49712, Stop: 49882, Start Num: 5

Candidate Starts for Chikenjars_68:

(Start: 5 @49712 has 31 MA's), (11, 49799),

Gene: Conley_71 Start: 49995, Stop: 50171, Start Num: 5

Candidate Starts for Conley_71:

(2, 49806), (3, 49884), (Start: 5 @49995 has 31 MA's), (11, 50088),

Gene: Crocheter_70 Start: 49573, Stop: 49743, Start Num: 5

Candidate Starts for Crocheter_70:

(Start: 5 @49573 has 31 MA's), (11, 49660),

Gene: Duffington_69 Start: 49645, Stop: 49815, Start Num: 5

Candidate Starts for Duffington_69:

(Start: 5 @49645 has 31 MA's), (11, 49732),

Gene: Eddiemania_70 Start: 50320, Stop: 50490, Start Num: 5

Candidate Starts for Eddiemania_70:

(Start: 5 @50320 has 31 MA's), (11, 50407),

Gene: EndAve_71 Start: 49867, Stop: 50037, Start Num: 5

Candidate Starts for EndAve_71:

(Start: 5 @49867 has 31 MA's), (11, 49954),

Gene: Fazel_80 Start: 50478, Stop: 50654, Start Num: 5

Candidate Starts for Fazel_80:

(Start: 5 @50478 has 31 MA's), (9, 50553), (12, 50574), (16, 50646),

Gene: Figliar_68 Start: 49708, Stop: 49878, Start Num: 5

Candidate Starts for Figliar_68:

(Start: 5 @49708 has 31 MA's), (11, 49795),

Gene: FortCran_77 Start: 49689, Stop: 49865, Start Num: 5

Candidate Starts for FortCran_77:

(1, 49404), (2, 49500), (3, 49578), (Start: 5 @49689 has 31 MA's), (Start: 7 @49707 has 1 MA's), (11, 49782), (16, 49860),

Gene: Gill_71 Start: 49369, Stop: 49545, Start Num: 5

Candidate Starts for Gill_71:

(Start: 5 @49369 has 31 MA's), (Start: 7 @49387 has 1 MA's), (11, 49462), (14, 49513), (16, 49540),

Gene: Gravy_70 Start: 49047, Stop: 49223, Start Num: 5

Candidate Starts for Gravy_70:

(Start: 5 @49047 has 31 MA's), (Start: 7 @49065 has 1 MA's), (11, 49140), (14, 49191), (16, 49218),

Gene: Hortihabitatio_74 Start: 50852, Stop: 51025, Start Num: 5

Candidate Starts for Hortihabitatio_74:

(Start: 5 @50852 has 31 MA's), (Start: 6 @50861 has 1 MA's), (15, 51014),

Gene: Hydrus_72 Start: 50296, Stop: 50466, Start Num: 5

Candidate Starts for Hydrus_72:

(Start: 5 @50296 has 31 MA's), (11, 50383),

Gene: Jodelie19_68 Start: 50875, Stop: 51045, Start Num: 5

Candidate Starts for Jodelie19_68:

(Start: 5 @50875 has 31 MA's), (11, 50962),

Gene: Kenosha_69 Start: 49722, Stop: 49892, Start Num: 5

Candidate Starts for Kenosha_69:

(Start: 5 @49722 has 31 MA's), (11, 49809),

Gene: Kerry_70 Start: 49110, Stop: 49286, Start Num: 5

Candidate Starts for Kerry_70:

(Start: 5 @49110 has 31 MA's), (Start: 7 @49128 has 1 MA's), (11, 49203), (14, 49254), (16, 49281),

Gene: Magel_72 Start: 49284, Stop: 49460, Start Num: 5

Candidate Starts for Magel_72:

(Start: 5 @49284 has 31 MA's), (Start: 7 @49302 has 1 MA's), (11, 49377), (14, 49428), (16, 49455),

Gene: Mossy_73 Start: 51166, Stop: 51339, Start Num: 5

Candidate Starts for Mossy_73:

(Start: 5 @51166 has 31 MA's), (Start: 6 @51175 has 1 MA's), (12, 51262),

Gene: Nadmeg_71 Start: 50413, Stop: 50583, Start Num: 5

Candidate Starts for Nadmeg_71:

(Start: 5 @50413 has 31 MA's), (11, 50500),

Gene: Nithya_70 Start: 49568, Stop: 49738, Start Num: 5

Candidate Starts for Nithya_70:

(Start: 5 @49568 has 31 MA's), (11, 49655),

Gene: Odesza_70 Start: 49228, Stop: 49404, Start Num: 5

Candidate Starts for Odesza_70:

(Start: 5 @49228 has 31 MA's), (Start: 7 @49246 has 1 MA's), (11, 49321), (14, 49372), (16, 49399),

Gene: OhMyWard_69 Start: 50925, Stop: 51098, Start Num: 5

Candidate Starts for OhMyWard_69:

(Start: 5 @50925 has 31 MA's), (Start: 6 @50934 has 1 MA's), (12, 51021),

Gene: OlgasClover_70 Start: 50217, Stop: 50387, Start Num: 5

Candidate Starts for OlgasClover_70:

(Start: 5 @50217 has 31 MA's), (11, 50304),

Gene: Perkunas_75 Start: 49421, Stop: 49597, Start Num: 5

Candidate Starts for Perkunas_75:

(Start: 5 @49421 has 31 MA's), (Start: 7 @49439 has 1 MA's), (11, 49514), (14, 49565), (16, 49592),

Gene: Petito_74 Start: 50959, Stop: 51117, Start Num: 7

Candidate Starts for Petito_74:

(1, 50656), (2, 50752), (3, 50830), (Start: 5 @50941 has 31 MA's), (Start: 7 @50959 has 1 MA's), (11, 51034),

Gene: Phepper_71 Start: 49426, Stop: 49596, Start Num: 5

Candidate Starts for Phepper_71:

(Start: 5 @49426 has 31 MA's), (11, 49513),

Gene: Pherobrine_73 Start: 50932, Stop: 51096, Start Num: 6

Candidate Starts for Pherobrine_73:

(Start: 5 @50923 has 31 MA's), (Start: 6 @50932 has 1 MA's), (12, 51019),

Gene: Rickmore_67 Start: 48084, Stop: 48254, Start Num: 5

Candidate Starts for Rickmore_67:

(Start: 5 @48084 has 31 MA's), (11, 48171),

Gene: Roney_71 Start: 49412, Stop: 49570, Start Num: 7

Candidate Starts for Roney_71:

(Start: 5 @49394 has 31 MA's), (Start: 7 @49412 has 1 MA's), (11, 49487), (14, 49538), (16, 49565),

Gene: Runhaar_70 Start: 49235, Stop: 49405, Start Num: 5

Candidate Starts for Runhaar_70:

(Start: 5 @49235 has 31 MA's), (11, 49322),

Gene: Schwartz33_72 Start: 49758, Stop: 49931, Start Num: 5

Candidate Starts for Schwartz33_72:

(Start: 5 @49758 has 31 MA's), (8, 49779), (11, 49845), (13, 49866), (16, 49923),

Gene: Secretariat_71 Start: 49087, Stop: 49272, Start Num: 4

Candidate Starts for Secretariat_71:

(Start: 4 @49087 has 1 MA's), (12, 49195),

Gene: Tanis_71 Start: 49214, Stop: 49390, Start Num: 5

Candidate Starts for Tanis_71:

(Start: 5 @49214 has 31 MA's), (Start: 7 @49232 has 1 MA's), (11, 49307), (14, 49358), (16, 49385),

Gene: TenaciousP_75 Start: 50837, Stop: 51007, Start Num: 5

Candidate Starts for TenaciousP_75:

(Start: 5 @50837 has 31 MA's), (11, 50924),

Gene: Untouchable_72 Start: 50423, Stop: 50593, Start Num: 5

Candidate Starts for Untouchable_72:

(Start: 5 @50423 has 31 MA's), (11, 50510),

Gene: Vardy_69 Start: 49125, Stop: 49295, Start Num: 5

Candidate Starts for Vardy_69:

(Start: 5 @49125 has 31 MA's), (11, 49212),

Gene: Zeph_74 Start: 50263, Stop: 50433, Start Num: 5

Candidate Starts for Zeph_74:

(Start: 5 @50263 has 31 MA's), (11, 50350),