

Pham 331068



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 331068 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331068 has 34 members, 2 are drafts.

Phages represented in each track:

- Track 1 : ShaggyRogers_3, Gusicorn_3, BetterYeti_3, Aloe25_3, PestoPenguin_3
- Track 2 : Tonaltzin_3
- Track 3 : Hydrus_3, Zeph_3
- Track 4 : MajinBuu_3, TenaciousP_3, BluerMoon_3, Jodelie19_3
- Track 5 : Phepper_3, Burley_3, Madvan_3, Nadmeg_3, Vardy_3
- Track 6 : EndAve_3, AlainaMarie_3, Luthien_3, Glintora_3, Citrus_3
- Track 7 : Schwartz33_3
- Track 8 : OhMyWard_3
- Track 9 : Aflac_3
- Track 10 : Chickenjars_3, Duffington_3, Nithya_3
- Track 11 : Hortihabitatio_4
- Track 12 : Figliar_3
- Track 13 : Runhaar_3
- Track 14 : Fazel_2
- Track 15 : OlgasClover_3
- Track 16 : Eddiemania_3

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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_3, AlainaMarie_3, Aloe25_3, BetterYeti_3, BluerMoon_3, Burley_3, Chickenjars_3, Citrus_3, Duffington_3, Eddiemania_3, EndAve_3, Fazel_2, Figliar_3, Glintora_3, Gusicorn_3, Hortihabitatio_4, Hydrus_3, Jodelie19_3, Luthien_3, Madvan_3, MajinBuu_3, Nadmeg_3, Nithya_3, OhMyWard_3, OlgasClover_3, PestoPenguin_3, Phepper_3, Runhaar_3, Schwartz33_3, ShaggyRogers_3, TenaciousP_3, Tonaltzin_3, Vardy_3, Zeph_3,

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

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

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Summary by start number:

Start 1:

- Found in 34 of 34 (100.0%) 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_3 (DJ), AlainaMarie_3 (DJ), Aloe25_3 (DJ), BetterYeti_3 (DJ), BluerMoon_3 (DJ), Burley_3 (DJ), Chickenjars_3 (DJ), Citrus_3 (DJ), Duffington_3 (DJ), Eddiemania_3 (DJ), EndAve_3 (DJ), Fazel_2 (DJ), Figliar_3 (DJ), Glintora_3 (DJ), Gusicorn_3 (DJ), Hortihabitatio_4 (DJ), Hydrus_3 (DJ), Jodelie19_3 (DJ), Luthien_3 (DJ), Madvan_3 (DJ), MajinBuu_3 (DJ), Nadmeg_3 (DJ), Nithya_3 (DJ), OhMyWard_3 (DJ), OlgasClover_3 (DJ), PestoPenguin_3 (DJ), Phepper_3 (DJ), Runhaar_3 (DJ), Schwartz33_3 (DJ), ShaggyRogers_3 (DJ), TenaciousP_3 (DJ), Tonaltzin_3 (DJ), Vardy_3 (DJ), Zeph_3 (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 32 times for cluster DJ.

Gene Information:

Gene: Aflac_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Aflac_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (8, 825), (16, 1155), (20, 1284), (22, 1389), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725), (35, 1740), (38, 1782),

Gene: AlainaMarie_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for AlainaMarie_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (9, 834), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (33, 1686), (38, 1782), (40, 1818),

Gene: Aloe25_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Aloe25_3:

(Start: 1 @630 has 32 MA's), (6, 792), (8, 825), (15, 1026), (16, 1155), (20, 1284), (23, 1422), (24, 1428), (25, 1467), (38, 1782),

Gene: BetterYeti_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for BetterYeti_3:

(Start: 1 @630 has 32 MA's), (6, 792), (8, 825), (15, 1026), (16, 1155), (20, 1284), (23, 1422), (24, 1428), (25, 1467), (38, 1782),

Gene: BluerMoon_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for BluerMoon_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (8, 825), (15, 1026), (16, 1155), (20, 1284), (22, 1389), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725), (35, 1740), (38, 1782),

Gene: Burley_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Burley_3:

(Start: 1 @630 has 32 MA's), (3, 729), (4, 744), (6, 792), (15, 1026), (16, 1155), (25, 1467), (33, 1686),

Gene: Chikenjars_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Chikenjars_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (9, 834), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (38, 1782),

Gene: Citrus_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Citrus_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (9, 834), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (33, 1686), (38, 1782), (40, 1818),

Gene: Duffington_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Duffington_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (9, 834), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (38, 1782),

Gene: Eddiemania_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Eddiemania_3:

(Start: 1 @630 has 32 MA's), (3, 729), (4, 744), (6, 792), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725),

Gene: EndAve_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for EndAve_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (9, 834), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (33, 1686), (38, 1782), (40, 1818),

Gene: Fazel_2 Start: 373, Stop: 1608, Start Num: 1

Candidate Starts for Fazel_2:

(Start: 1 @373 has 32 MA's), (5, 505), (6, 535), (8, 568), (10, 586), (12, 625), (14, 682), (15, 769), (20, 1027), (25, 1210), (26, 1270), (37, 1489), (38, 1516), (39, 1540),

Gene: Figliar_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Figliar_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (4, 744), (16, 1155), (20, 1284), (22, 1389), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725), (35, 1740), (38, 1782),

Gene: Glintora_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Glintora_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (9, 834), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (33, 1686), (38, 1782), (40, 1818),

Gene: Gusicorn_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Gusicorn_3:

(Start: 1 @630 has 32 MA's), (6, 792), (8, 825), (15, 1026), (16, 1155), (20, 1284), (23, 1422), (24, 1428), (25, 1467), (38, 1782),

Gene: Hortihabitatio_4 Start: 930, Stop: 2165, Start Num: 1

Candidate Starts for Hortihabitatio_4:

(Start: 1 @930 has 32 MA's), (13, 1188), (14, 1239), (21, 1608), (22, 1689), (25, 1767), (26, 1827), (27, 1842), (30, 1938), (32, 1965), (38, 2073), (41, 2139),

Gene: Hydrus_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Hydrus_3:

(Start: 1 @630 has 32 MA's), (3, 729), (4, 744), (6, 792), (7, 816), (11, 852), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725), (38, 1782),

Gene: Jodelie19_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Jodelie19_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (8, 825), (15, 1026), (16, 1155), (20, 1284), (22, 1389), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725), (35, 1740), (38, 1782),

Gene: Luthien_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Luthien_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (9, 834), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (33, 1686), (38, 1782), (40, 1818),

Gene: Madvan_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Madvan_3:

(Start: 1 @630 has 32 MA's), (3, 729), (4, 744), (6, 792), (15, 1026), (16, 1155), (25, 1467), (33, 1686),

Gene: MajinBuu_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for MajinBuu_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (8, 825), (15, 1026), (16, 1155), (20, 1284), (22, 1389), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725), (35, 1740), (38, 1782),

Gene: Nadmeg_3 Start: 631, Stop: 1875, Start Num: 1

Candidate Starts for Nadmeg_3:

(Start: 1 @631 has 32 MA's), (3, 730), (4, 745), (6, 793), (15, 1027), (16, 1156), (25, 1468), (33, 1687),

Gene: Nithya_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Nithya_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (9, 834), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (38, 1782),

Gene: OhMyWard_3 Start: 629, Stop: 1873, Start Num: 1

Candidate Starts for OhMyWard_3:

(Start: 1 @629 has 32 MA's), (6, 791), (8, 824), (14, 938), (15, 1025), (16, 1154), (20, 1283), (23, 1421), (24, 1427), (25, 1466), (31, 1643), (34, 1724), (38, 1781),

Gene: OlgasClover_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for OlgasClover_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (4, 744), (8, 825), (16, 1155), (20, 1284), (22, 1389), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725), (36, 1746), (38, 1782),

Gene: PestoPenguin_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for PestoPenguin_3:

(Start: 1 @630 has 32 MA's), (6, 792), (8, 825), (15, 1026), (16, 1155), (20, 1284), (23, 1422), (24, 1428), (25, 1467), (38, 1782),

Gene: Phepper_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Phepper_3:

(Start: 1 @630 has 32 MA's), (3, 729), (4, 744), (6, 792), (15, 1026), (16, 1155), (25, 1467), (33, 1686),

Gene: Runhaar_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Runhaar_3:

(Start: 1 @630 has 32 MA's), (3, 729), (4, 744), (6, 792), (8, 825), (11, 852), (15, 1026), (16, 1155), (25, 1467), (33, 1686),

Gene: Schwartz33_3 Start: 629, Stop: 1873, Start Num: 1

Candidate Starts for Schwartz33_3:

(Start: 1 @629 has 32 MA's), (3, 728), (17, 1244), (18, 1247), (19, 1280), (20, 1283), (25, 1466), (28, 1583), (33, 1685), (35, 1739),

Gene: ShaggyRogers_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for ShaggyRogers_3:

(Start: 1 @630 has 32 MA's), (6, 792), (8, 825), (15, 1026), (16, 1155), (20, 1284), (23, 1422), (24, 1428), (25, 1467), (38, 1782),

Gene: TenaciousP_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for TenaciousP_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (8, 825), (15, 1026), (16, 1155), (20, 1284), (22, 1389), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725), (35, 1740), (38, 1782),

Gene: Tonaltzin_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Tonaltzin_3:

(Start: 1 @630 has 32 MA's), (2, 687), (3, 729), (8, 825), (15, 1026), (16, 1155), (20, 1284), (22, 1389), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725), (36, 1746), (38, 1782),

Gene: Vardy_3 Start: 629, Stop: 1873, Start Num: 1

Candidate Starts for Vardy_3:

(Start: 1 @629 has 32 MA's), (3, 728), (4, 743), (6, 791), (15, 1025), (16, 1154), (25, 1466), (33, 1685),

Gene: Zeph_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Zeph_3:

(Start: 1 @630 has 32 MA's), (3, 729), (4, 744), (6, 792), (7, 816), (11, 852), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (26, 1527), (29, 1608), (33, 1686), (34, 1725), (38, 1782),