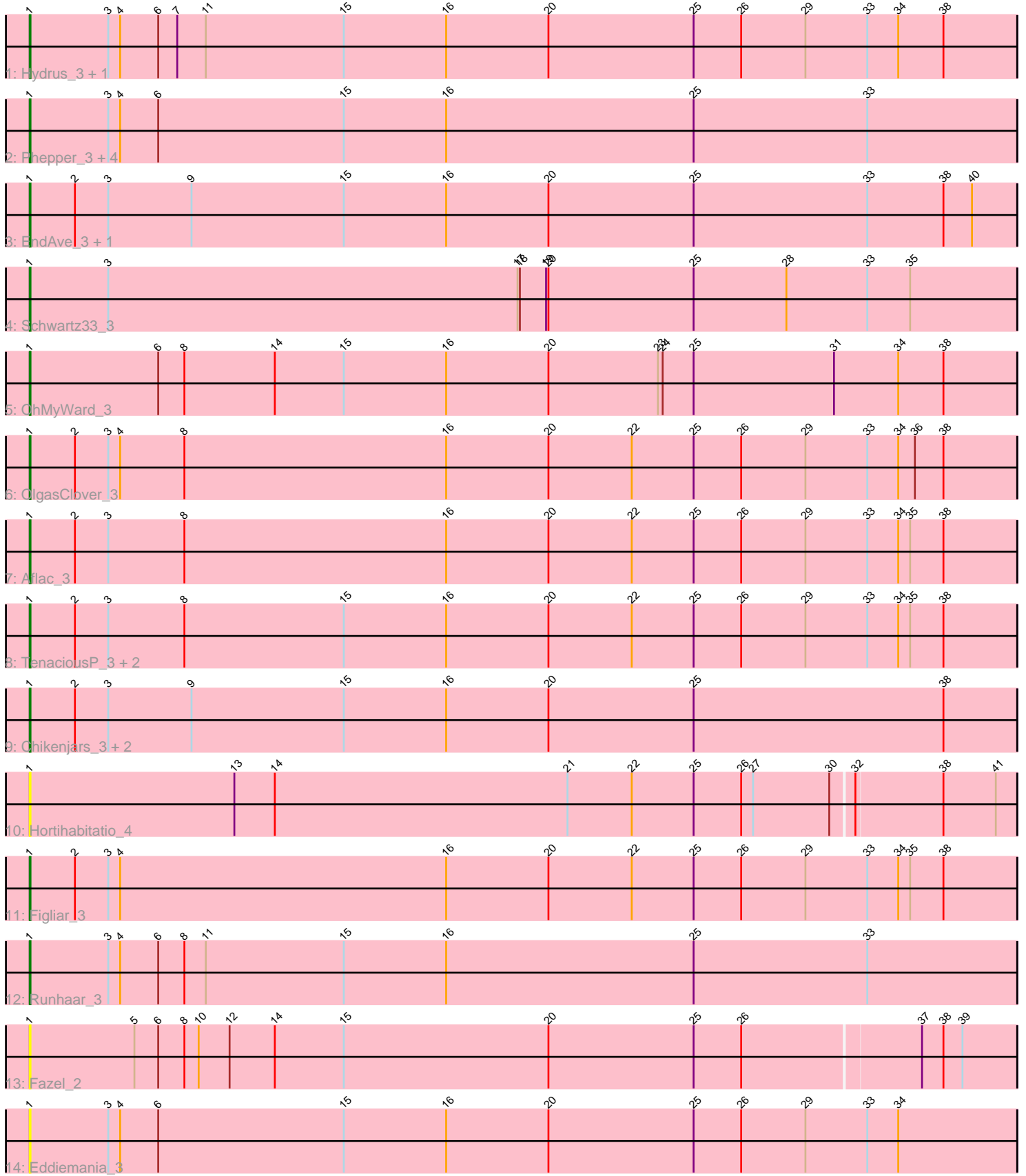


Pham 4753



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 4753 Report

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

Pham number 4753 has 24 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Hydrus_3, Zeph_3
- Track 2 : Phepper_3, Burley_3, Madvan_3, Vardy_3, Nadmeg_3
- Track 3 : EndAve_3, AlainaMarie_3
- Track 4 : Schwartz33_3
- Track 5 : OhMyWard_3
- Track 6 : OlgasClover_3
- Track 7 : Aflac_3
- Track 8 : TenaciousP_3, BluerMoon_3, Jodelie19_3
- Track 9 : Chikenjars_3, Duffington_3, Nithya_3
- Track 10 : Hortihabitatio_4
- Track 11 : Figliar_3
- Track 12 : Runhaar_3
- Track 13 : Fazel_2
- Track 14 : 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 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_3, AlainaMarie_3, BluerMoon_3, Burley_3, Chikenjars_3, Duffington_3, Eddiemania_3, EndAve_3, Fazel_2, Figliar_3, Hortihabitatio_4, Hydrus_3, Jodelie19_3, Madvan_3, Nadmeg_3, Nithya_3, OhMyWard_3, OlgasClover_3, Phepper_3, Runhaar_3, Schwartz33_3, TenaciousP_3, Vardy_3, Zeph_3,

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 1:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 17 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aflac_3 (DJ), AlainaMarie_3 (DJ), BluerMoon_3 (DJ), Burley_3 (DJ), Chickenjars_3 (DJ), Duffington_3 (DJ), Eddiemania_3 (DJ), EndAve_3 (DJ), Fazel_2 (DJ), Figliar_3 (DJ), Hortihabitatio_4 (DJ), Hydrus_3 (DJ), Jodelie19_3 (DJ), Madvan_3 (DJ), Nadmeg_3 (DJ), Nithya_3 (DJ), OhMyWard_3 (DJ), OlgasClover_3 (DJ), Phepper_3 (DJ), Runhaar_3 (DJ), Schwartz33_3 (DJ), TenaciousP_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 17 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 17 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 17 MA's), (2, 687), (3, 729), (9, 834), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (33, 1686), (38, 1782), (40, 1818),

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

Candidate Starts for BluerMoon_3:

(Start: 1 @630 has 17 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 17 MA's), (3, 729), (4, 744), (6, 792), (15, 1026), (16, 1155), (25, 1467), (33, 1686),

Gene: Chickenjars_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Chickenjars_3:

(Start: 1 @630 has 17 MA's), (2, 687), (3, 729), (9, 834), (15, 1026), (16, 1155), (20, 1284), (25, 1467), (38, 1782),

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

Candidate Starts for Duffington_3:

(Start: 1 @630 has 17 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 17 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 17 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 17 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 17 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: Hortihabitatio_4 Start: 930, Stop: 2165, Start Num: 1

Candidate Starts for Hortihabitatio_4:

(Start: 1 @930 has 17 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 17 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 17 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: Madvan_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Madvan_3:

(Start: 1 @630 has 17 MA's), (3, 729), (4, 744), (6, 792), (15, 1026), (16, 1155), (25, 1467), (33, 1686),

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

Candidate Starts for Nadmeg_3:

(Start: 1 @631 has 17 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 17 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 17 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 17 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: Phepper_3 Start: 630, Stop: 1874, Start Num: 1

Candidate Starts for Phepper_3:

(Start: 1 @630 has 17 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 17 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 17 MA's), (3, 728), (17, 1244), (18, 1247), (19, 1280), (20, 1283), (25, 1466), (28, 1583), (33, 1685), (35, 1739),

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

Candidate Starts for TenaciousP_3:

(Start: 1 @630 has 17 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: Vardy_3 Start: 629, Stop: 1873, Start Num: 1

Candidate Starts for Vardy_3:

(Start: 1 @629 has 17 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 17 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),