Pham 347981


3
4
6
7
8
9
10
11
12
14
1: Fionnbharth_7 + 14
3
4
5
6
7
8
9
10
11
12
14
2: MissDaisy_7
3
4
7
9
13
15
16
3: Juliette_7 + 1
3
6
7
8
9
10
11
12
14
4: Slarp_7 + 3
3
4
7
13
15
16
5: Ruthiejr_6
1
2
6
9
15
6: Aminay_4

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 347981 Report

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

Pham number 347981 has 24 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Fionnbharth_7, Mitti_7, Y10_07, Nolwazi_7, Taquito_5, Lebo14_7, Y2_07, JF1_7, Kraw_7, SamScheppers_5, OmniCritical_7, Wintermute_7, Malthus_7, DanSyl44_7, YasnayaPolyana_7
• Track 2 : MissDaisy_7
• Track 3 : Juliette_7, Eponine_7
• Track 4 : Slarp_7, Qhanda_7, Chancellor_7, Cheetobro_7
• Track 5 : Ruthiejr_6
• Track 6 : Aminay_4

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 20 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chancellor_7, Cheetobro_7, DanSyl44_7, Eponine_7, Fionnbharth_7, JF1_7, Juliette_7, Kraw_7, Lebo14_7, Malthus_7, MissDaisy_7, Mitti_7, Nolwazi_7, OmniCritical_7, Qhanda_7, Ruthiejr_6, SamScheppers_5, Slarp_7, Taquito_5, Wintermute_7, Y10_07, Y2_07, YasnayaPolyana_7,

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

Genes that do not have the "Most Annotated" start:
• Aminay_4,

Summary by start number:

Start 1:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_4 (K7),

Start 3:
• Found in 23 of 24 (95.8%) of genes in pham
• Manual Annotations of this start: 20 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chancellor_7 (K4), Cheetobro_7 (K4), DanSyl44_7 (K4), Eponine_7 (K4), Fionnbharth_7 (K4), JF1_7 (K4), Juliette_7 (K4), Kraw_7 (K4), Lebo14_7 (K4), Malthus_7 (K4), MissDaisy_7 (K4), Mitti_7 (K4), Nolwazi_7 (K4), OmniCritical_7 (K4), Qhanda_7 (K4), Ruthiejr_6 (K4), SamScheppers_5 (K4), Slarp_7 (K4), Taquito_5 (K4), Wintermute_7 (K4), Y10_07 (K4), Y2_07 (K4), YasnayaPolyana_7 (K4),

Summary by clusters:

There are 2 clusters represented in this pham: K7, K4,

Info for manual annotations of cluster K4:
•Start number 3 was manually annotated 20 times for cluster K4.

Info for manual annotations of cluster K7:
•Start number 1 was manually annotated 1 time for cluster K7.

Gene Information:

Gene: Aminay_4 Start: 820, Stop: 1077, Start Num: 1
Candidate Starts for Aminay_4:
(Start: 1 @820 has 1 MA's), (2, 838), (6, 940), (9, 979), (15, 1060),

Gene: Chancellor_7 Start: 1998, Stop: 2237, Start Num: 3
Candidate Starts for Chancellor_7:
(Start: 3 @1998 has 20 MA's), (6, 2094), (7, 2100), (8, 2106), (9, 2136), (10, 2160), (11, 2184), (12, 2214), (14, 2220),

Gene: Cheetobro_7 Start: 1998, Stop: 2237, Start Num: 3
Candidate Starts for Cheetobro_7:
(Start: 3 @1998 has 20 MA's), (6, 2094), (7, 2100), (8, 2106), (9, 2136), (10, 2160), (11, 2184), (12, 2214), (14, 2220),

Gene: DanSyl44_7 Start: 1998, Stop: 2237, Start Num: 3
Candidate Starts for DanSyl44_7:
(Start: 3 @1998 has 20 MA's), (4, 2022), (6, 2094), (7, 2100), (8, 2106), (9, 2136), (10, 2160), (11, 2184), (12, 2214), (14, 2220),

Gene: Eponine_7 Start: 1991, Stop: 2236, Start Num: 3
Candidate Starts for Eponine_7:
(Start: 3 @1991 has 20 MA's), (4, 2015), (7, 2096), (9, 2135), (13, 2213), (15, 2219), (16, 2222),

Gene: Fionnbharth_7 Start: 1985, Stop: 2224, Start Num: 3
Candidate Starts for Fionnbharth_7:
(Start: 3 @1985 has 20 MA's), (4, 2009), (6, 2081), (7, 2087), (8, 2093), (9, 2123), (10, 2147), (11, 2171), (12, 2201), (14, 2207),

Gene: JF1_7 Start: 1985, Stop: 2224, Start Num: 3
Candidate Starts for JF1_7:
(Start: 3 @1985 has 20 MA's), (4, 2009), (6, 2081), (7, 2087), (8, 2093), (9, 2123), (10, 2147), (11, 2171), (12, 2201), (14, 2207),

Gene: Juliette_7 Start: 1991, Stop: 2236, Start Num: 3
Candidate Starts for Juliette_7:
(Start: 3 @1991 has 20 MA's), (4, 2015), (7, 2096), (9, 2135), (13, 2213), (15, 2219), (16, 2222),

Gene: Kraw_7 Start: 1985, Stop: 2224, Start Num: 3
Candidate Starts for Kraw_7:
(Start: 3 @1985 has 20 MA's), (4, 2009), (6, 2081), (7, 2087), (8, 2093), (9, 2123), (10, 2147), (11, 2171), (12, 2201), (14, 2207),

Gene: Lebo14_7 Start: 1998, Stop: 2237, Start Num: 3
Candidate Starts for Lebo14_7:
(Start: 3 @1998 has 20 MA's), (4, 2022), (6, 2094), (7, 2100), (8, 2106), (9, 2136), (10, 2160), (11, 2184), (12, 2214), (14, 2220),

Gene: Malthus_7 Start: 1985, Stop: 2224, Start Num: 3
Candidate Starts for Malthus_7:
(Start: 3 @1985 has 20 MA's), (4, 2009), (6, 2081), (7, 2087), (8, 2093), (9, 2123), (10, 2147), (11, 2171), (12, 2201), (14, 2207),

Gene: MissDaisy_7 Start: 1941, Stop: 2180, Start Num: 3
Candidate Starts for MissDaisy_7:
(Start: 3 @1941 has 20 MA's), (4, 1965), (5, 2016), (6, 2037), (7, 2043), (8, 2049), (9, 2079), (10, 2103), (11, 2127), (12, 2157), (14, 2163),

Gene: Mitti_7 Start: 1998, Stop: 2237, Start Num: 3
Candidate Starts for Mitti_7:
(Start: 3 @1998 has 20 MA's), (4, 2022), (6, 2094), (7, 2100), (8, 2106), (9, 2136), (10, 2160), (11, 2184), (12, 2214), (14, 2220),

Gene: Nolwazi_7 Start: 1999, Stop: 2238, Start Num: 3
Candidate Starts for Nolwazi_7:
(Start: 3 @1999 has 20 MA's), (4, 2023), (6, 2095), (7, 2101), (8, 2107), (9, 2137), (10, 2161), (11, 2185), (12, 2215), (14, 2221),

Gene: OmniCritical_7 Start: 1985, Stop: 2224, Start Num: 3
Candidate Starts for OmniCritical_7:
(Start: 3 @1985 has 20 MA's), (4, 2009), (6, 2081), (7, 2087), (8, 2093), (9, 2123), (10, 2147), (11, 2171), (12, 2201), (14, 2207),

Gene: Qhanda_7 Start: 1998, Stop: 2237, Start Num: 3
Candidate Starts for Qhanda_7:
(Start: 3 @1998 has 20 MA's), (6, 2094), (7, 2100), (8, 2106), (9, 2136), (10, 2160), (11, 2184), (12, 2214), (14, 2220),

Gene: Ruthiejr_6 Start: 1722, Stop: 1967, Start Num: 3
Candidate Starts for Ruthiejr_6:
(Start: 3 @1722 has 20 MA's), (4, 1746), (7, 1827), (13, 1944), (15, 1950), (16, 1953),

Gene: SamScheppers_5 Start: 1595, Stop: 1834, Start Num: 3
Candidate Starts for SamScheppers_5:
(Start: 3 @1595 has 20 MA's), (4, 1619), (6, 1691), (7, 1697), (8, 1703), (9, 1733), (10, 1757), (11, 1781), (12, 1811), (14, 1817),

Gene: Slarp_7 Start: 1998, Stop: 2237, Start Num: 3
Candidate Starts for Slarp_7:
(Start: 3 @1998 has 20 MA's), (6, 2094), (7, 2100), (8, 2106), (9, 2136), (10, 2160), (11, 2184), (12, 2214), (14, 2220),

Gene: Taquito_5 Start: 1596, Stop: 1835, Start Num: 3
Candidate Starts for Taquito_5:
(Start: 3 @1596 has 20 MA's), (4, 1620), (6, 1692), (7, 1698), (8, 1704), (9, 1734), (10, 1758), (11, 1782), (12, 1812), (14, 1818),

Gene: Wintermute_7 Start: 1984, Stop: 2223, Start Num: 3
Candidate Starts for Wintermute_7:
(Start: 3 @1984 has 20 MA's), (4, 2008), (6, 2080), (7, 2086), (8, 2092), (9, 2122), (10, 2146), (11, 2170), (12, 2200), (14, 2206),

Gene: Y10_07 Start: 1985, Stop: 2224, Start Num: 3
Candidate Starts for Y10_07:
(Start: 3 @1985 has 20 MA's), (4, 2009), (6, 2081), (7, 2087), (8, 2093), (9, 2123), (10, 2147), (11, 2171), (12, 2201), (14, 2207),

Gene: Y2_07 Start: 1985, Stop: 2224, Start Num: 3
Candidate Starts for Y2_07:
(Start: 3 @1985 has 20 MA's), (4, 2009), (6, 2081), (7, 2087), (8, 2093), (9, 2123), (10, 2147), (11, 2171), (12, 2201), (14, 2207),

Gene: YasnayaPolyana_7 Start: 1985, Stop: 2224, Start Num: 3
Candidate Starts for YasnayaPolyana_7:
(Start: 3 @1985 has 20 MA's), (4, 2009), (6, 2081), (7, 2087), (8, 2093), (9, 2123), (10, 2147), (11, 2171), (12, 2201), (14, 2207),