

Pham 163952



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 163952 Report

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

Pham number 163952 has 19 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Marcie_4
- Track 2 : Hyperion_4
- Track 3 : Marcie_6
- Track 4 : RubyRalph_6
- Track 5 : Judebell_6
- Track 6 : Phabia_6
- Track 7 : Fransoyer_6
- Track 8 : Teehee_8, Jehoshaphat_8
- Track 9 : Namago_4, Zhafia_8
- Track 10 : Tempo_3
- Track 11 : BirdInFrench_3, Pepe25_2, Wilca_3
- Track 12 : Squash_6
- Track 13 : BabyDotz_5
- Track 14 : SallyK_7
- Track 15 : Altheas_4

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 23, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BabyDotz_5, BirdInFrench_3, Hyperion_4, Jehoshaphat_8, Judebell_6, Marcie_4, Marcie_6, Namago_4, Pepe25_2, Phabia_6, RubyRalph_6, SallyK_7, Squash_6, Teehee_8, Tempo_3, Wilca_3, Zhafia_8,

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

- Altheas_4, Fransoyer_6,

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

-

Summary by start number:

Start 18:

- Found in 3 of 19 (15.8%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Altheas_4 (EG),

Start 23:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 14
- Called 89.5% of time when present
- Phage (with cluster) where this start called: BabyDotz_5 (EG), BirdInFrench_3 (EG), Hyperion_4 (EG), Jehoshaphat_8 (EG), Judebell_6 (EG), Marcie_4 (EG), Marcie_6 (EG), Namago_4 (EG), Pepe25_2 (EG), Phabia_6 (EG), RubyRalph_6 (EG), SallyK_7 (EG), Squash_6 (EG), Teehee_8 (EG), Tempo_3 (EG), Wilca_3 (EG), Zhafia_8 (EG),

Start 25:

- Found in 6 of 19 (31.6%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Fransoyer_6 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 23 was manually annotated 13 times for cluster EG.
- Start number 25 was manually annotated 1 time for cluster EG.

Gene Information:

Gene: Altheas_4 Start: 1637, Stop: 1335, Start Num: 18

Candidate Starts for Altheas_4:

(3, 1820), (4, 1802), (8, 1748), (17, 1646), (18, 1637), (Start: 23 @1592 has 13 MA's), (Start: 25 @1583 has 1 MA's), (26, 1562), (29, 1523), (35, 1442), (48, 1352),

Gene: BabyDotz_5 Start: 2093, Stop: 1857, Start Num: 23

Candidate Starts for BabyDotz_5:

(Start: 23 @2093 has 13 MA's), (Start: 25 @2084 has 1 MA's), (26, 2063), (31, 2009), (34, 1970), (40, 1898), (45, 1874), (46, 1871), (47, 1868),

Gene: BirdInFrench_3 Start: 1383, Stop: 1120, Start Num: 23

Candidate Starts for BirdInFrench_3:

(9, 1533), (21, 1392), (22, 1389), (Start: 23 @1383 has 13 MA's), (26, 1353), (39, 1176), (43, 1161), (44, 1155),

Gene: Fransoyer_6 Start: 2120, Stop: 1869, Start Num: 25

Candidate Starts for Fransoyer_6:

(5, 2306), (6, 2300), (11, 2249), (12, 2243), (18, 2177), (Start: 23 @2129 has 13 MA's), (24, 2123), (Start: 25 @2120 has 1 MA's), (26, 2099), (32, 2033), (43, 1913), (46, 1898), (47, 1895),

Gene: Hyperion_4 Start: 1519, Stop: 1271, Start Num: 23

Candidate Starts for Hyperion_4:

(1, 1795), (7, 1678), (Start: 23 @1519 has 13 MA's), (26, 1489), (41, 1309), (42, 1306), (45, 1288), (46, 1285), (47, 1282),

Gene: Jehoshaphat_8 Start: 2791, Stop: 2534, Start Num: 23

Candidate Starts for Jehoshaphat_8:

(14, 2881), (15, 2875), (Start: 23 @2791 has 13 MA's), (26, 2761), (29, 2722), (36, 2629), (48, 2551),

Gene: Judebell_6 Start: 2078, Stop: 1842, Start Num: 23

Candidate Starts for Judebell_6:

(Start: 23 @2078 has 13 MA's), (Start: 25 @2069 has 1 MA's), (26, 2048), (31, 1994), (34, 1955), (40, 1883), (45, 1859), (46, 1856), (47, 1853),

Gene: Marcie_4 Start: 1305, Stop: 1057, Start Num: 23

Candidate Starts for Marcie_4:

(13, 1410), (19, 1347), (Start: 23 @1305 has 13 MA's), (26, 1275), (27, 1254), (28, 1251), (33, 1191), (37, 1137), (38, 1131), (49, 1068),

Gene: Marcie_6 Start: 1750, Stop: 1493, Start Num: 23

Candidate Starts for Marcie_6:

(7, 1906), (20, 1765), (21, 1759), (22, 1756), (Start: 23 @1750 has 13 MA's), (26, 1720), (29, 1681), (30, 1678), (44, 1528),

Gene: Namago_4 Start: 1406, Stop: 1170, Start Num: 23

Candidate Starts for Namago_4:

(Start: 23 @1406 has 13 MA's), (31, 1322), (34, 1283), (40, 1211), (45, 1187), (46, 1184), (47, 1181),

Gene: Pepe25_2 Start: 1383, Stop: 1120, Start Num: 23

Candidate Starts for Pepe25_2:

(9, 1533), (21, 1392), (22, 1389), (Start: 23 @1383 has 13 MA's), (26, 1353), (39, 1176), (43, 1161), (44, 1155),

Gene: Phabia_6 Start: 1993, Stop: 1736, Start Num: 23

Candidate Starts for Phabia_6:

(Start: 23 @1993 has 13 MA's), (26, 1963), (29, 1924), (36, 1831), (48, 1753),

Gene: RubyRalph_6 Start: 2129, Stop: 1869, Start Num: 23

Candidate Starts for RubyRalph_6:

(5, 2306), (6, 2300), (11, 2249), (12, 2243), (18, 2177), (Start: 23 @2129 has 13 MA's), (24, 2123), (Start: 25 @2120 has 1 MA's), (26, 2099), (32, 2033), (43, 1913), (46, 1898), (47, 1895),

Gene: SallyK_7 Start: 2695, Stop: 2438, Start Num: 23

Candidate Starts for SallyK_7:

(4, 2902), (10, 2818), (Start: 23 @2695 has 13 MA's), (26, 2665), (36, 2533), (48, 2455),

Gene: Squash_6 Start: 1928, Stop: 1671, Start Num: 23

Candidate Starts for Squash_6:

(2, 2171), (7, 2087), (Start: 23 @1928 has 13 MA's), (Start: 25 @1919 has 1 MA's), (26, 1898), (36, 1766), (48, 1688),

Gene: Teehee_8 Start: 2791, Stop: 2534, Start Num: 23

Candidate Starts for Teehee_8:

(14, 2881), (15, 2875), (Start: 23 @2791 has 13 MA's), (26, 2761), (29, 2722), (36, 2629), (48, 2551),

Gene: Tempo_3 Start: 1126, Stop: 878, Start Num: 23

Candidate Starts for Tempo_3:

(16, 1210), (Start: 23 @1126 has 13 MA's), (26, 1096), (41, 916), (42, 913), (45, 895), (46, 892), (47, 889),

Gene: Wilca_3 Start: 1383, Stop: 1120, Start Num: 23

Candidate Starts for Wilca_3:

(9, 1533), (21, 1392), (22, 1389), (Start: 23 @1383 has 13 MA's), (26, 1353), (39, 1176), (43, 1161), (44, 1155),

Gene: Zhafia_8 Start: 2076, Stop: 1840, Start Num: 23

Candidate Starts for Zhafia_8:

(Start: 23 @2076 has 13 MA's), (31, 1992), (34, 1953), (40, 1881), (45, 1857), (46, 1854), (47, 1851),