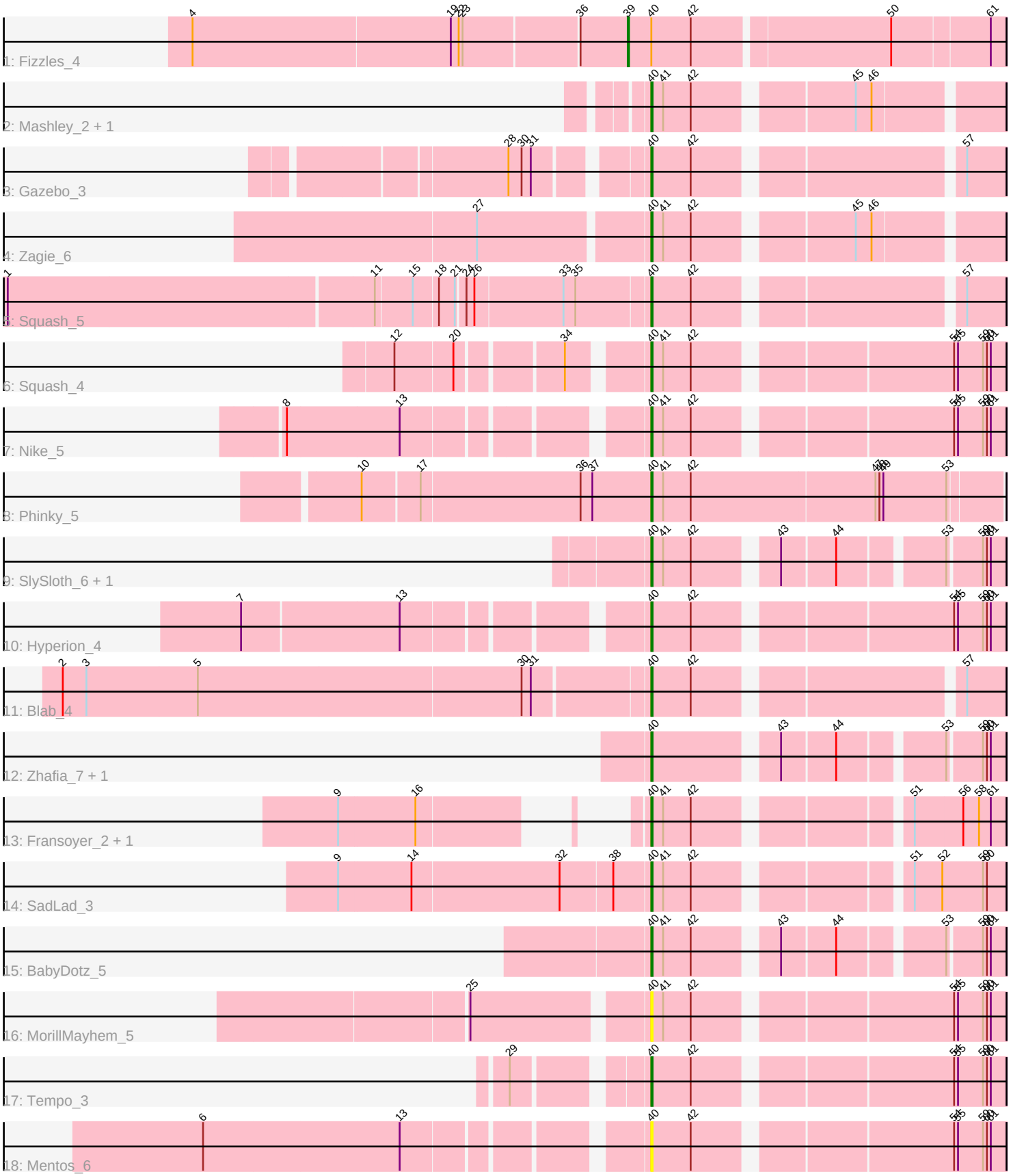
Pham 284166


1: Fizzles_4
2: Mashley_2 + 1
3: Gazebo_3
4: Zagie_6
5: Squash_5
6: Squash_4
7: Nike_5
8: Phinky_5
9: SlySloth_6 + 1
10: Hyperion_4
11: Blab_4
12: Zhafia_7 + 1
13: Fransoyer_2 + 1
14: SadLad_3
15: BabyDotz_5
16: MorillMayhem_5
17: Tempo_3
18: Mentos_6

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 284166 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284166 has 22 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Fizzles_4
• Track 2 : Mashley_2, AluminumJesus_2
• Track 3 : Gazebo_3
• Track 4 : Zagie_6
• Track 5 : Squash_5
• Track 6 : Squash_4
• Track 7 : Nike_5
• Track 8 : Phinky_5
• Track 9 : SlySloth_6, Judebell_6
• Track 10 : Hyperion_4
• Track 11 : Blab_4
• Track 12 : Zhafia_7, Namago_4
• Track 13 : Fransoyer_2, RubyRalph_2
• Track 14 : SadLad_3
• Track 15 : BabyDotz_5
• Track 16 : MorillMayhem_5
• Track 17 : Tempo_3
• Track 18 : Mentos_6

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

The start number called the most often in the published annotations is 40, it was called in 18 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AluminumJesus_2, BabyDotz_5, Blab_4, Fransoyer_2, Gazebo_3, Hyperion_4, Judebell_6, Mashley_2, Mentos_6, MorillMayhem_5, Namago_4, Nike_5, Phinky_5, RubyRalph_2, SadLad_3, SlySloth_6, Squash_4, Squash_5, Tempo_3, Zagie_6, Zhafia_7,

Genes that have the "Most Annotated" start but do not call it:
• Fizzles_4,

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

•

Summary by start number:

Start 39:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fizzles_4 (EG),

Start 40:
• Found in 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 19
• Called 95.5% of time when present
• Phage (with cluster) where this start called: AluminumJesus_2 (EG), BabyDotz_5 (EG), Blab_4 (EG), Fransoyer_2 (EG), Gazebo_3 (EG), Hyperion_4 (EG), Judebell_6 (EG), Mashley_2 (EG), Mentos_6 (EG), MorillMayhem_5 (EG), Namago_4 (EG), Nike_5 (EG), Phinky_5 (EG), RubyRalph_2 (EG), SadLad_3 (EG), SlySloth_6 (EG), Squash_4 (EG), Squash_5 (EG), Tempo_3 (EG), Zagie_6 (EG), Zhafia_7 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 39 was manually annotated 1 time for cluster EG.
•Start number 40 was manually annotated 18 times for cluster EG.

Gene Information:

Gene: AluminumJesus_2 Start: 1146, Stop: 907, Start Num: 40
Candidate Starts for AluminumJesus_2:
(Start: 40 @1146 has 18 MA's), (41, 1137), (42, 1116), (45, 1008), (46, 996),

Gene: BabyDotz_5 Start: 2093, Stop: 1857, Start Num: 40
Candidate Starts for BabyDotz_5:
(Start: 40 @2093 has 18 MA's), (41, 2084), (42, 2063), (43, 2009), (44, 1970), (53, 1898), (59, 1874), (60, 1871), (61, 1868),

Gene: Blab_4 Start: 1367, Stop: 1125, Start Num: 40
Candidate Starts for Blab_4:
(2, 1802), (3, 1784), (5, 1700), (30, 1457), (31, 1451), (Start: 40 @1367 has 18 MA's), (42, 1337), (57, 1154),

Gene: Fizzles_4 Start: 1765, Stop: 1490, Start Num: 39
Candidate Starts for Fizzles_4:
(4, 2089), (19, 1894), (22, 1888), (23, 1885), (36, 1801), (Start: 39 @1765 has 1 MA's), (Start: 40 @1747 has 18 MA's), (42, 1717), (50, 1573), (61, 1501),

Gene: Fransoyer_2 Start: 1080, Stop: 841, Start Num: 40
Candidate Starts for Fransoyer_2:

(9, 1230), (16, 1173), (Start: 40 @1080 has 18 MA's), (41, 1071), (42, 1050), (51, 909), (56, 873), (58, 861), (61, 852),

Gene: Gazebo_3 Start: 1551, Stop: 1309, Start Num: 40
Candidate Starts for Gazebo_3:
(28, 1638), (30, 1629), (31, 1623), (Start: 40 @1551 has 18 MA's), (42, 1521), (57, 1338),

Gene: Hyperion_4 Start: 1519, Stop: 1271, Start Num: 40
Candidate Starts for Hyperion_4:
(7, 1795), (13, 1678), (Start: 40 @1519 has 18 MA's), (42, 1489), (54, 1309), (55, 1306), (59, 1288), (60, 1285), (61, 1282),

Gene: Judebell_6 Start: 2078, Stop: 1842, Start Num: 40
Candidate Starts for Judebell_6:
(Start: 40 @2078 has 18 MA's), (41, 2069), (42, 2048), (43, 1994), (44, 1955), (53, 1883), (59, 1859), (60, 1856), (61, 1853),

Gene: Mashley_2 Start: 1146, Stop: 907, Start Num: 40
Candidate Starts for Mashley_2:
(Start: 40 @1146 has 18 MA's), (41, 1137), (42, 1116), (45, 1008), (46, 996),

Gene: Mentos_6 Start: 1855, Stop: 1607, Start Num: 40
Candidate Starts for Mentos_6:
(6, 2161), (13, 2014), (Start: 40 @1855 has 18 MA's), (42, 1825), (54, 1645), (55, 1642), (59, 1624), (60, 1621), (61, 1618),

Gene: MorillMayhem_5 Start: 1824, Stop: 1576, Start Num: 40
Candidate Starts for MorillMayhem_5:
(25, 1947), (Start: 40 @1824 has 18 MA's), (41, 1815), (42, 1794), (54, 1614), (55, 1611), (59, 1593), (60, 1590), (61, 1587),

Gene: Namago_4 Start: 1406, Stop: 1170, Start Num: 40
Candidate Starts for Namago_4:
(Start: 40 @1406 has 18 MA's), (43, 1322), (44, 1283), (53, 1211), (59, 1187), (60, 1184), (61, 1181),

Gene: Nike_5 Start: 1873, Stop: 1625, Start Num: 40
Candidate Starts for Nike_5:
(8, 2116), (13, 2032), (Start: 40 @1873 has 18 MA's), (41, 1864), (42, 1843), (54, 1663), (55, 1660), (59, 1642), (60, 1639), (61, 1636),

Gene: Phinky_5 Start: 1686, Stop: 1426, Start Num: 40
Candidate Starts for Phinky_5:
(10, 1902), (17, 1860), (36, 1740), (37, 1731), (Start: 40 @1686 has 18 MA's), (41, 1677), (42, 1656), (47, 1518), (48, 1515), (49, 1512), (53, 1464),

Gene: RubyRalph_2 Start: 1080, Stop: 841, Start Num: 40
Candidate Starts for RubyRalph_2:
(9, 1230), (16, 1173), (Start: 40 @1080 has 18 MA's), (41, 1071), (42, 1050), (51, 909), (56, 873), (58, 861), (61, 852),

Gene: SadLad_3 Start: 1311, Stop: 1072, Start Num: 40
Candidate Starts for SadLad_3:

(9, 1542), (14, 1488), (32, 1377), (38, 1338), (Start: 40 @1311 has 18 MA's), (41, 1302), (42, 1281), (51, 1140), (52, 1119), (59, 1089), (60, 1086),

Gene: SlySloth_6 Start: 2096, Stop: 1860, Start Num: 40
Candidate Starts for SlySloth_6:
(Start: 40 @2096 has 18 MA's), (41, 2087), (42, 2066), (43, 2012), (44, 1973), (53, 1901), (59, 1877), (60, 1874), (61, 1871),

Gene: Squash_5 Start: 1671, Stop: 1429, Start Num: 40
Candidate Starts for Squash_5:
(1, 2142), (11, 1869), (15, 1842), (18, 1824), (21, 1812), (24, 1806), (26, 1800), (33, 1734), (35, 1725), (Start: 40 @1671 has 18 MA's), (42, 1641), (57, 1458),

Gene: Squash_4 Start: 1432, Stop: 1184, Start Num: 40
Candidate Starts for Squash_4:
(12, 1597), (20, 1555), (34, 1483), (Start: 40 @1432 has 18 MA's), (41, 1423), (42, 1402), (54, 1222), (55, 1219), (59, 1201), (60, 1198), (61, 1195),

Gene: Tempo_3 Start: 1126, Stop: 878, Start Num: 40
Candidate Starts for Tempo_3:
(29, 1210), (Start: 40 @1126 has 18 MA's), (42, 1096), (54, 916), (55, 913), (59, 895), (60, 892), (61, 889),

Gene: Zagie_6 Start: 2057, Stop: 1818, Start Num: 40
Candidate Starts for Zagie_6:
(27, 2180), (Start: 40 @2057 has 18 MA's), (41, 2048), (42, 2027), (45, 1919), (46, 1907),

Gene: Zhafia_7 Start: 2076, Stop: 1840, Start Num: 40
Candidate Starts for Zhafia_7:
(Start: 40 @2076 has 18 MA's), (43, 1992), (44, 1953), (53, 1881), (59, 1857), (60, 1854), (61, 1851),