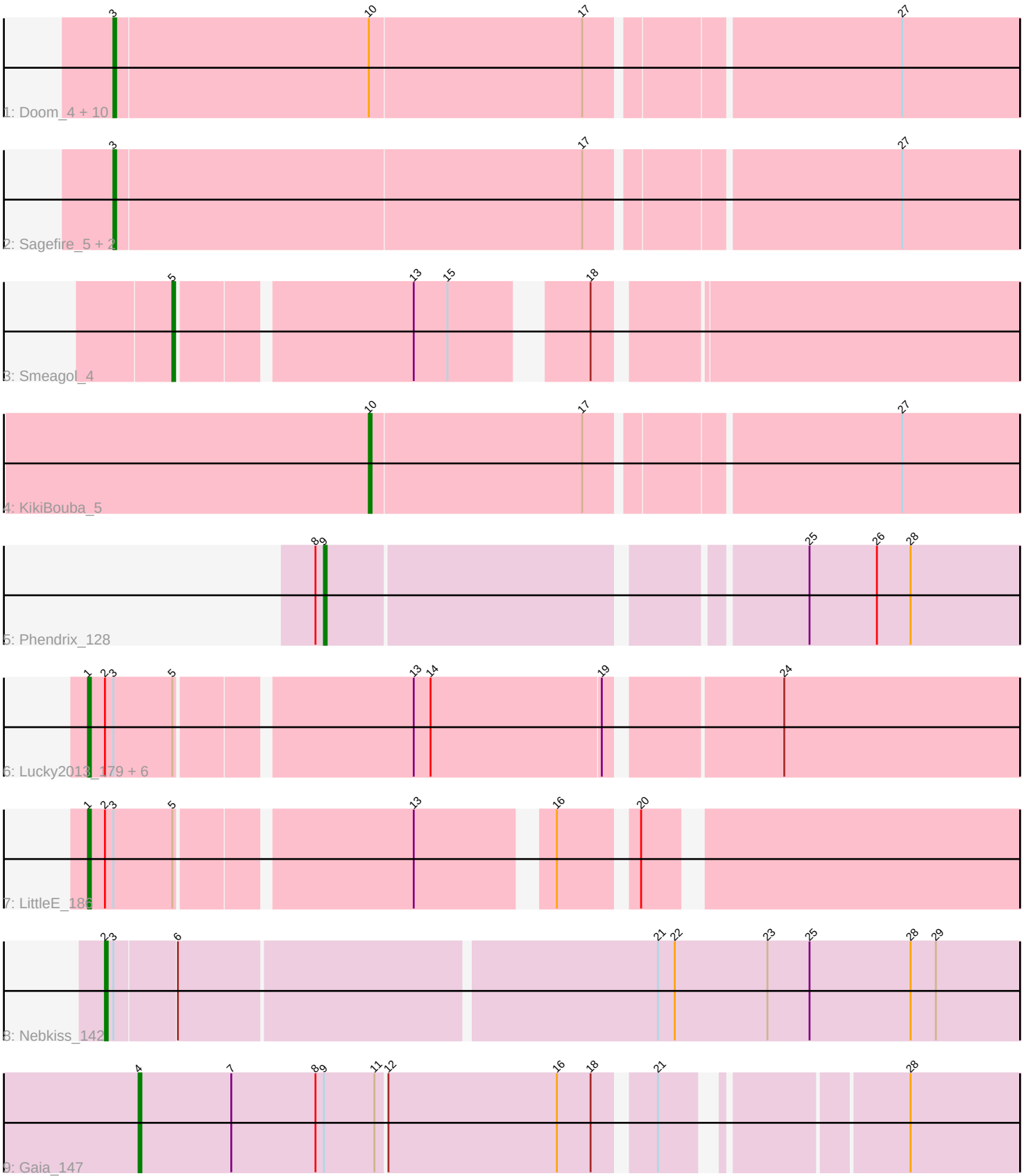
Pham 347944


3
10
17
27
1: Doom_4 + 10
3
17
27
2: Sagefire_5 + 2
5
13
15
18
3: Smeagol_4
10
17
27
4: KikiBouba_5
8
9
25
26
28
5: Phendrix_128
1
2
3
5
13
14
19
24
6: Lucky2013_179 + 6
1
2
3
5
13
16
20
7: LittleE_186
2
3
6
21
22
23
25
28
29
8: Nebkiss_142
4
7
8
9
11
12
16
18
21
28
9: Gaia_147

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 347944 Report

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

Pham number 347944 has 27 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Doom_4, ILeeKay_5, Ajay_4, Adahisdi_4, DirtDevil_4, KBG_4, Smairt_4, Aldrich_4, BigPaolini_5, GroundGoblin_4, Oogway_3
• Track 2 : Sagefire_5, Rutherferd_4, Peterson_5
• Track 3 : Smeagol_4
• Track 4 : KikiBouba_5
• Track 5 : Phendrix_128
• Track 6 : Lucky2013_179, Ariel_184, Porcelain_183, MiaZeal_186, Gonephishing_177, Courthouse_180, Superphikiman_181
• Track 7 : LittleE_186
• Track 8 : Nebkiss_142
• Track 9 : Gaia_147

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 13 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adahisdi_4, Ajay_4, Aldrich_4, BigPaolini_5, DirtDevil_4, Doom_4, GroundGoblin_4, ILeeKay_5, KBG_4, Oogway_3, Peterson_5, Rutherferd_4, Sagefire_5, Smairt_4,

Genes that have the "Most Annotated" start but do not call it:
• Ariel_184, Courthouse_180, Gonephishing_177, LittleE_186, Lucky2013_179, MiaZeal_186, Nebkiss_142, Porcelain_183, Superphikiman_181,

Genes that do not have the "Most Annotated" start:
• Gaia_147, KikiBouba_5, Phendrix_128, Smeagol_4,

Summary by start number:

Start 1:
• Found in 8 of 27 (29.6%) of genes in pham
• Manual Annotations of this start: 7 of 25
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Ariel_184 (J), Courthouse_180 (J), Gonephishing_177 (J), LittleE_186 (J), Lucky2013_179 (J), MiaZeal_186 (J), Porcelain_183 (J), Superphikiman_181 (J),

Start 2:
• Found in 9 of 27 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Nebkiss_142 (X),

Start 3:
• Found in 23 of 27 (85.2%) of genes in pham
• Manual Annotations of this start: 13 of 25
• Called 60.9% of time when present
• Phage (with cluster) where this start called: Adahisdi_4 (A1), Ajay_4 (A1), Aldrich_4 (A1), BigPaolini_5 (A1), DirtDevil_4 (A1), Doom_4 (A1), GroundGoblin_4 (A1), ILeeKay_5 (A1), KBG_4 (A1), Oogway_3 (A1), Peterson_5 (A1), Rutherferd_4 (A1), Sagefire_5 (A1), Smairt_4 (A1),

Start 4:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_147 (X),

Start 5:
• Found in 9 of 27 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Smeagol_4 (A1),

Start 9:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Phendrix_128 (DK),

Start 10:
• Found in 12 of 27 (44.4%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 8.3% of time when present
• Phage (with cluster) where this start called: KikiBouba_5 (A1),

Summary by clusters:

There are 4 clusters represented in this pham: A1, X, J, DK,

Info for manual annotations of cluster A1:
•Start number 3 was manually annotated 13 times for cluster A1.
•Start number 5 was manually annotated 1 time for cluster A1.
•Start number 10 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster DK:

•Start number 9 was manually annotated 1 time for cluster DK.

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 7 times for cluster J.

Info for manual annotations of cluster X:
•Start number 2 was manually annotated 1 time for cluster X.
•Start number 4 was manually annotated 1 time for cluster X.

Gene Information:

Gene: Adahisdi_4 Start: 1698, Stop: 2012, Start Num: 3
Candidate Starts for Adahisdi_4:
(Start: 3 @1698 has 13 MA's), (Start: 10 @1788 has 1 MA's), (17, 1863), (27, 1968),

Gene: Ajay_4 Start: 1694, Stop: 2008, Start Num: 3
Candidate Starts for Ajay_4:
(Start: 3 @1694 has 13 MA's), (Start: 10 @1784 has 1 MA's), (17, 1859), (27, 1964),

Gene: Aldrich_4 Start: 1705, Stop: 2019, Start Num: 3
Candidate Starts for Aldrich_4:
(Start: 3 @1705 has 13 MA's), (Start: 10 @1795 has 1 MA's), (17, 1870), (27, 1975),

Gene: Ariel_184 Start: 90388, Stop: 90705, Start Num: 1
Candidate Starts for Ariel_184:
(Start: 1 @90388 has 7 MA's), (Start: 2 @90394 has 1 MA's), (Start: 3 @90397 has 13 MA's), (Start: 5 @90418 has 1 MA's), (13, 90496), (14, 90502), (19, 90562), (24, 90619),

Gene: BigPaolini_5 Start: 2209, Stop: 2523, Start Num: 3
Candidate Starts for BigPaolini_5:
(Start: 3 @2209 has 13 MA's), (Start: 10 @2299 has 1 MA's), (17, 2374), (27, 2479),

Gene: Courthouse_180 Start: 90832, Stop: 91149, Start Num: 1
Candidate Starts for Courthouse_180:
(Start: 1 @90832 has 7 MA's), (Start: 2 @90838 has 1 MA's), (Start: 3 @90841 has 13 MA's), (Start: 5 @90862 has 1 MA's), (13, 90940), (14, 90946), (19, 91006), (24, 91063),

Gene: DirtDevil_4 Start: 1705, Stop: 2019, Start Num: 3
Candidate Starts for DirtDevil_4:
(Start: 3 @1705 has 13 MA's), (Start: 10 @1795 has 1 MA's), (17, 1870), (27, 1975),

Gene: Doom_4 Start: 1700, Stop: 2014, Start Num: 3
Candidate Starts for Doom_4:
(Start: 3 @1700 has 13 MA's), (Start: 10 @1790 has 1 MA's), (17, 1865), (27, 1970),

Gene: Gaia_147 Start: 77990, Stop: 78283, Start Num: 4
Candidate Starts for Gaia_147:
(Start: 4 @77990 has 1 MA's), (7, 78023), (8, 78053), (Start: 9 @78056 has 1 MA's), (11, 78074), (12, 78077), (16, 78137), (18, 78149), (21, 78167), (28, 78242),

Gene: Gonephishing_177 Start: 91649, Stop: 91966, Start Num: 1

Candidate Starts for Gonephishing_177:
(Start: 1 @91649 has 7 MA's), (Start: 2 @91655 has 1 MA's), (Start: 3 @91658 has 13 MA's), (Start: 5 @91679 has 1 MA's), (13, 91757), (14, 91763), (19, 91823), (24, 91880),

Gene: GroundGoblin_4 Start: 1705, Stop: 2019, Start Num: 3
Candidate Starts for GroundGoblin_4:
(Start: 3 @1705 has 13 MA's), (Start: 10 @1795 has 1 MA's), (17, 1870), (27, 1975),

Gene: ILeeKay_5 Start: 1874, Stop: 2188, Start Num: 3
Candidate Starts for ILeeKay_5:
(Start: 3 @1874 has 13 MA's), (Start: 10 @1964 has 1 MA's), (17, 2039), (27, 2144),

Gene: KBG_4 Start: 1933, Stop: 2247, Start Num: 3
Candidate Starts for KBG_4:
(Start: 3 @1933 has 13 MA's), (Start: 10 @2023 has 1 MA's), (17, 2098), (27, 2203),

Gene: KikiBouba_5 Start: 1796, Stop: 2020, Start Num: 10
Candidate Starts for KikiBouba_5:
(Start: 10 @1796 has 1 MA's), (17, 1871), (27, 1976),

Gene: LittleE_186 Start: 93578, Stop: 93880, Start Num: 1
Candidate Starts for LittleE_186:
(Start: 1 @93578 has 7 MA's), (Start: 2 @93584 has 1 MA's), (Start: 3 @93587 has 13 MA's), (Start: 5 @93608 has 1 MA's), (13, 93686), (16, 93728), (20, 93752),

Gene: Lucky2013_179 Start: 89904, Stop: 90221, Start Num: 1
Candidate Starts for Lucky2013_179:
(Start: 1 @89904 has 7 MA's), (Start: 2 @89910 has 1 MA's), (Start: 3 @89913 has 13 MA's), (Start: 5 @89934 has 1 MA's), (13, 90012), (14, 90018), (19, 90078), (24, 90135),

Gene: MiaZeal_186 Start: 91050, Stop: 91367, Start Num: 1
Candidate Starts for MiaZeal_186:
(Start: 1 @91050 has 7 MA's), (Start: 2 @91056 has 1 MA's), (Start: 3 @91059 has 13 MA's), (Start: 5 @91080 has 1 MA's), (13, 91158), (14, 91164), (19, 91224), (24, 91281),

Gene: Nebkiss_142 Start: 72674, Stop: 72994, Start Num: 2
Candidate Starts for Nebkiss_142:
(Start: 2 @72674 has 1 MA's), (Start: 3 @72677 has 13 MA's), (6, 72698), (21, 72863), (22, 72869), (23, 72902), (25, 72917), (28, 72953), (29, 72962),

Gene: Oogway_3 Start: 1553, Stop: 1867, Start Num: 3
Candidate Starts for Oogway_3:
(Start: 3 @1553 has 13 MA's), (Start: 10 @1643 has 1 MA's), (17, 1718), (27, 1823),

Gene: Peterson_5 Start: 2390, Stop: 2704, Start Num: 3
Candidate Starts for Peterson_5:
(Start: 3 @2390 has 13 MA's), (17, 2555), (27, 2660),

Gene: Phendrix_128 Start: 77796, Stop: 77560, Start Num: 9
Candidate Starts for Phendrix_128:
(8, 77799), (Start: 9 @77796 has 1 MA's), (25, 77637), (26, 77613), (28, 77601),

Gene: Porcelain_183 Start: 90850, Stop: 91167, Start Num: 1

Candidate Starts for Porcelain_183:
(Start: 1 @90850 has 7 MA's), (Start: 2 @90856 has 1 MA's), (Start: 3 @90859 has 13 MA's), (Start: 5 @90880 has 1 MA's), (13, 90958), (14, 90964), (19, 91024), (24, 91081),

Gene: Rutherferd_4 Start: 1660, Stop: 1974, Start Num: 3
Candidate Starts for Rutherferd_4:
(Start: 3 @1660 has 13 MA's), (17, 1825), (27, 1930),

Gene: Sagefire_5 Start: 1861, Stop: 2175, Start Num: 3
Candidate Starts for Sagefire_5:
(Start: 3 @1861 has 13 MA's), (17, 2026), (27, 2131),

Gene: Smairt_4 Start: 2007, Stop: 2321, Start Num: 3
Candidate Starts for Smairt_4:
(Start: 3 @2007 has 13 MA's), (Start: 10 @2097 has 1 MA's), (17, 2172), (27, 2277),

Gene: Smeagol_4 Start: 2209, Stop: 2484, Start Num: 5
Candidate Starts for Smeagol_4:
(Start: 5 @2209 has 1 MA's), (13, 2287), (15, 2299), (18, 2338),

Gene: Superphikiman_181 Start: 90528, Stop: 90845, Start Num: 1
Candidate Starts for Superphikiman_181:
(Start: 1 @90528 has 7 MA's), (Start: 2 @90534 has 1 MA's), (Start: 3 @90537 has 13 MA's), (Start: 5 @90558 has 1 MA's), (13, 90636), (14, 90642), (19, 90702), (24, 90759),