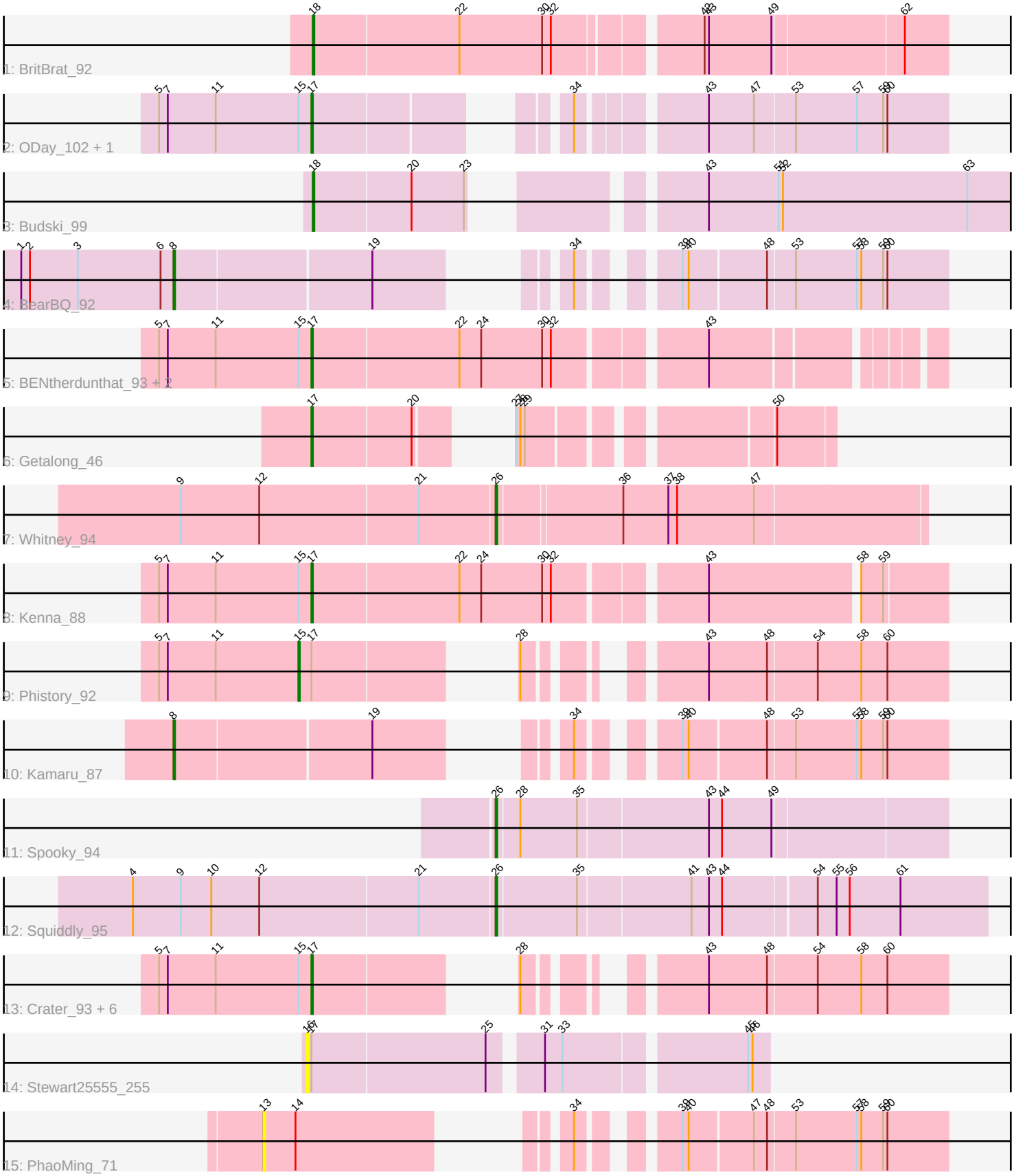
Pham 347980


1: BritBrat_92
2: ODay_102 + 1
3: Budski_99
4: BearBQ_92
5: BENtherdunthat_93 + 2
6: Getalong_46
7: Whitney_94
8: Kenna_88
9: Phistory_92
10: Kamaru_87
11: Spooky_94
12: Squiddly_95
13: Crater_93 + 6
14: Stewart25555_255
15: PhaoMing_71

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 347980 Report

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

Pham number 347980 has 24 members, 3 are drafts.

Phages represented in each track:
• Track 1 : BritBrat_92
• Track 2 : ODay_102, MortyNRick_86
• Track 3 : Budski_99
• Track 4 : BearBQ_92
• Track 5 : BENtherdunthat_93, CheeseTouch_100, BotCity_96
• Track 6 : Getalong_46
• Track 7 : Whitney_94
• Track 8 : Kenna_88
• Track 9 : Phistory_92
• Track 10 : Kamaru_87
• Track 11 : Spooky_94
• Track 12 : Squiddly_95
• Track 13 : Crater_93, Apricot_93, Leroy_94, Horus_94, Frickyeah_100, Periwinkle_102, Ecliptus_101
• Track 14 : Stewart25555_255
• Track 15 : PhaoMing_71

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

The start number called the most often in the published annotations is 17, it was called in 13 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apricot_93, BENtherdunthat_93, BotCity_96, CheeseTouch_100, Crater_93, Ecliptus_101, Frickyeah_100, Getalong_46, Horus_94, Kenna_88, Leroy_94, MortyNRick_86, ODay_102, Periwinkle_102,

Genes that have the "Most Annotated" start but do not call it:
• Phistory_92, Stewart25555_255,

Genes that do not have the "Most Annotated" start:
• BearBQ_92, BritBrat_92, Budski_99, Kamaru_87, PhaoMing_71, Spooky_94, Squiddly_95, Whitney_94,

Summary by start number:

Start 8:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BearBQ_92 (DN), Kamaru_87 (DN1),

Start 13:
• Found in 1 of 24 (4.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PhaoMing_71 (UNK),

Start 15:
• Found in 14 of 24 (58.3%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Phistory_92 (DN1),

Start 16:
• Found in 1 of 24 (4.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stewart25555_255 (FC),

Start 17:
• Found in 16 of 24 (66.7%) of genes in pham
• Manual Annotations of this start: 13 of 21
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Apricot_93 (DN3), BENtherdunthat_93 (DN1), BotCity_96 (DN), CheeseTouch_100 (DN1), Crater_93 (DN3), Ecliptus_101 (DN), Frickyeah_100 (DN1), Getalong_46 (DN1), Horus_94 (DN1), Kenna_88 (DN1), Leroy_94 (DN1), MortyNRick_86 (DN), ODay_102 (DN), Periwinkle_102 (DN1),

Start 18:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BritBrat_92 (CY2), Budski_99 (DN),

Start 26:
• Found in 3 of 24 (12.5%) of genes in pham
• Manual Annotations of this start: 3 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spooky_94 (DN2), Squiddly_95 (DN2), Whitney_94 (DN1),

Summary by clusters:

There are 7 clusters represented in this pham: DN, CY2, FC, DN1, DN3, DN2, UNK,

Info for manual annotations of cluster CY2:

•Start number 18 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DN:
•Start number 8 was manually annotated 1 time for cluster DN.
•Start number 17 was manually annotated 4 times for cluster DN.
•Start number 18 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 8 was manually annotated 1 time for cluster DN1.
•Start number 15 was manually annotated 1 time for cluster DN1.
•Start number 17 was manually annotated 7 times for cluster DN1.
•Start number 26 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 26 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 17 was manually annotated 2 times for cluster DN3.

Gene Information:

Gene: Apricot_93 Start: 49480, Stop: 49815, Start Num: 17
Candidate Starts for Apricot_93:
(5, 49375), (7, 49381), (11, 49414), (Start: 15 @49471 has 1 MA's), (Start: 17 @49480 has 13 MA's), (28, 49570), (43, 49654), (48, 49693), (54, 49726), (58, 49756), (60, 49774),

Gene: BENtherdunthat_93 Start: 50252, Stop: 50641, Start Num: 17
Candidate Starts for BENtherdunthat_93:
(5, 50147), (7, 50153), (11, 50186), (Start: 15 @50243 has 1 MA's), (Start: 17 @50252 has 13 MA's), (22, 50351), (24, 50366), (30, 50408), (32, 50414), (43, 50507),

Gene: BearBQ_92 Start: 51497, Stop: 51925, Start Num: 8
Candidate Starts for BearBQ_92:
(1, 51392), (2, 51398), (3, 51431), (6, 51488), (Start: 8 @51497 has 2 MA's), (19, 51626), (34, 51701), (39, 51749), (40, 51752), (48, 51803), (53, 51821), (57, 51863), (58, 51866), (59, 51881), (60, 51884),

Gene: BotCity_96 Start: 51781, Stop: 52170, Start Num: 17
Candidate Starts for BotCity_96:
(5, 51676), (7, 51682), (11, 51715), (Start: 15 @51772 has 1 MA's), (Start: 17 @51781 has 13 MA's), (22, 51880), (24, 51895), (30, 51937), (32, 51943), (43, 52036),

Gene: BritBrat_92 Start: 52968, Stop: 53378, Start Num: 18
Candidate Starts for BritBrat_92:
(Start: 18 @52968 has 2 MA's), (22, 53067), (30, 53124), (32, 53130), (42, 53220), (43, 53223), (49, 53265), (62, 53349),

Gene: Budski_99 Start: 52736, Stop: 53194, Start Num: 18
Candidate Starts for Budski_99:

(Start: 18 @52736 has 2 MA's), (20, 52802), (23, 52838), (43, 52952), (51, 53000), (52, 53003), (63, 53129),

Gene: CheeseTouch_100 Start: 49365, Stop: 49754, Start Num: 17
Candidate Starts for CheeseTouch_100:
(5, 49260), (7, 49266), (11, 49299), (Start: 15 @49356 has 1 MA's), (Start: 17 @49365 has 13 MA's), (22, 49464), (24, 49479), (30, 49521), (32, 49527), (43, 49620),

Gene: Crater_93 Start: 49824, Stop: 50159, Start Num: 17
Candidate Starts for Crater_93:
(5, 49719), (7, 49725), (11, 49758), (Start: 15 @49815 has 1 MA's), (Start: 17 @49824 has 13 MA's), (28, 49914), (43, 49998), (48, 50037), (54, 50070), (58, 50100), (60, 50118),

Gene: Ecliptus_101 Start: 53023, Stop: 53358, Start Num: 17
Candidate Starts for Ecliptus_101:
(5, 52918), (7, 52924), (11, 52957), (Start: 15 @53014 has 1 MA's), (Start: 17 @53023 has 13 MA's), (28, 53113), (43, 53197), (48, 53236), (54, 53269), (58, 53299), (60, 53317),

Gene: Frickyeah_100 Start: 51770, Stop: 52105, Start Num: 17
Candidate Starts for Frickyeah_100:
(5, 51665), (7, 51671), (11, 51704), (Start: 15 @51761 has 1 MA's), (Start: 17 @51770 has 13 MA's), (28, 51860), (43, 51944), (48, 51983), (54, 52016), (58, 52046), (60, 52064),

Gene: Getalong_46 Start: 32723, Stop: 33001, Start Num: 17
Candidate Starts for Getalong_46:
(Start: 17 @32723 has 13 MA's), (20, 32789), (27, 32813), (28, 32816), (29, 32819), (50, 32963),

Gene: Horus_94 Start: 52045, Stop: 52380, Start Num: 17
Candidate Starts for Horus_94:
(5, 51940), (7, 51946), (11, 51979), (Start: 15 @52036 has 1 MA's), (Start: 17 @52045 has 13 MA's), (28, 52135), (43, 52219), (48, 52258), (54, 52291), (58, 52321), (60, 52339),

Gene: Kamaru_87 Start: 49076, Stop: 49504, Start Num: 8
Candidate Starts for Kamaru_87:
(Start: 8 @49076 has 2 MA's), (19, 49205), (34, 49280), (39, 49328), (40, 49331), (48, 49382), (53, 49400), (57, 49442), (58, 49445), (59, 49460), (60, 49463),

Gene: Kenna_88 Start: 49368, Stop: 49775, Start Num: 17
Candidate Starts for Kenna_88:
(5, 49263), (7, 49269), (11, 49302), (Start: 15 @49359 has 1 MA's), (Start: 17 @49368 has 13 MA's), (22, 49467), (24, 49482), (30, 49524), (32, 49530), (43, 49623), (58, 49719), (59, 49734),

Gene: Leroy_94 Start: 50240, Stop: 50575, Start Num: 17
Candidate Starts for Leroy_94:
(5, 50135), (7, 50141), (11, 50174), (Start: 15 @50231 has 1 MA's), (Start: 17 @50240 has 13 MA's), (28, 50330), (43, 50414), (48, 50453), (54, 50486), (58, 50516), (60, 50534),

Gene: MortyNRick_86 Start: 50131, Stop: 50496, Start Num: 17
Candidate Starts for MortyNRick_86:
(5, 50026), (7, 50032), (11, 50065), (Start: 15 @50122 has 1 MA's), (Start: 17 @50131 has 13 MA's), (34, 50260), (43, 50335), (47, 50365), (53, 50392), (57, 50434), (59, 50452), (60, 50455),

Gene: ODay_102 Start: 53166, Stop: 53531, Start Num: 17

Candidate Starts for ODay_102:
(5, 53061), (7, 53067), (11, 53100), (Start: 15 @53157 has 1 MA's), (Start: 17 @53166 has 13 MA's), (34, 53295), (43, 53370), (47, 53400), (53, 53427), (57, 53469), (59, 53487), (60, 53490),

Gene: Periwinkle_102 Start: 53047, Stop: 53382, Start Num: 17
Candidate Starts for Periwinkle_102:
(5, 52942), (7, 52948), (11, 52981), (Start: 15 @53038 has 1 MA's), (Start: 17 @53047 has 13 MA's), (28, 53137), (43, 53221), (48, 53260), (54, 53293), (58, 53323), (60, 53341),

Gene: PhaoMing_71 Start: 45255, Stop: 45614, Start Num: 13
Candidate Starts for PhaoMing_71:
(13, 45255), (14, 45276), (34, 45390), (39, 45438), (40, 45441), (47, 45483), (48, 45492), (53, 45510), (57, 45552), (58, 45555), (59, 45570), (60, 45573),

Gene: Phistory_92 Start: 49079, Stop: 49423, Start Num: 15
Candidate Starts for Phistory_92:
(5, 48983), (7, 48989), (11, 49022), (Start: 15 @49079 has 1 MA's), (Start: 17 @49088 has 13 MA's), (28, 49178), (43, 49262), (48, 49301), (54, 49334), (58, 49364), (60, 49382),

Gene: Spooky_94 Start: 51519, Stop: 51815, Start Num: 26
Candidate Starts for Spooky_94:
(Start: 26 @51519 has 3 MA's), (28, 51534), (35, 51573), (43, 51660), (44, 51669), (49, 51702),

Gene: Squiddly_95 Start: 54461, Stop: 54784, Start Num: 26
Candidate Starts for Squiddly_95:
(4, 54215), (9, 54248), (10, 54269), (12, 54302), (21, 54410), (Start: 26 @54461 has 3 MA's), (35, 54515), (41, 54590), (43, 54602), (44, 54611), (54, 54671), (55, 54683), (56, 54692), (61, 54725),

Gene: Stewart25555_255 Start: 165522, Stop: 165815, Start Num: 16
Candidate Starts for Stewart25555_255:
(16, 165522), (Start: 17 @165525 has 13 MA's), (25, 165642), (31, 165672), (33, 165684), (45, 165801), (46, 165804),

Gene: Whitney_94 Start: 52783, Stop: 53064, Start Num: 26
Candidate Starts for Whitney_94:
(9, 52570), (12, 52624), (21, 52732), (Start: 26 @52783 has 3 MA's), (36, 52864), (37, 52894), (38, 52900), (47, 52951),