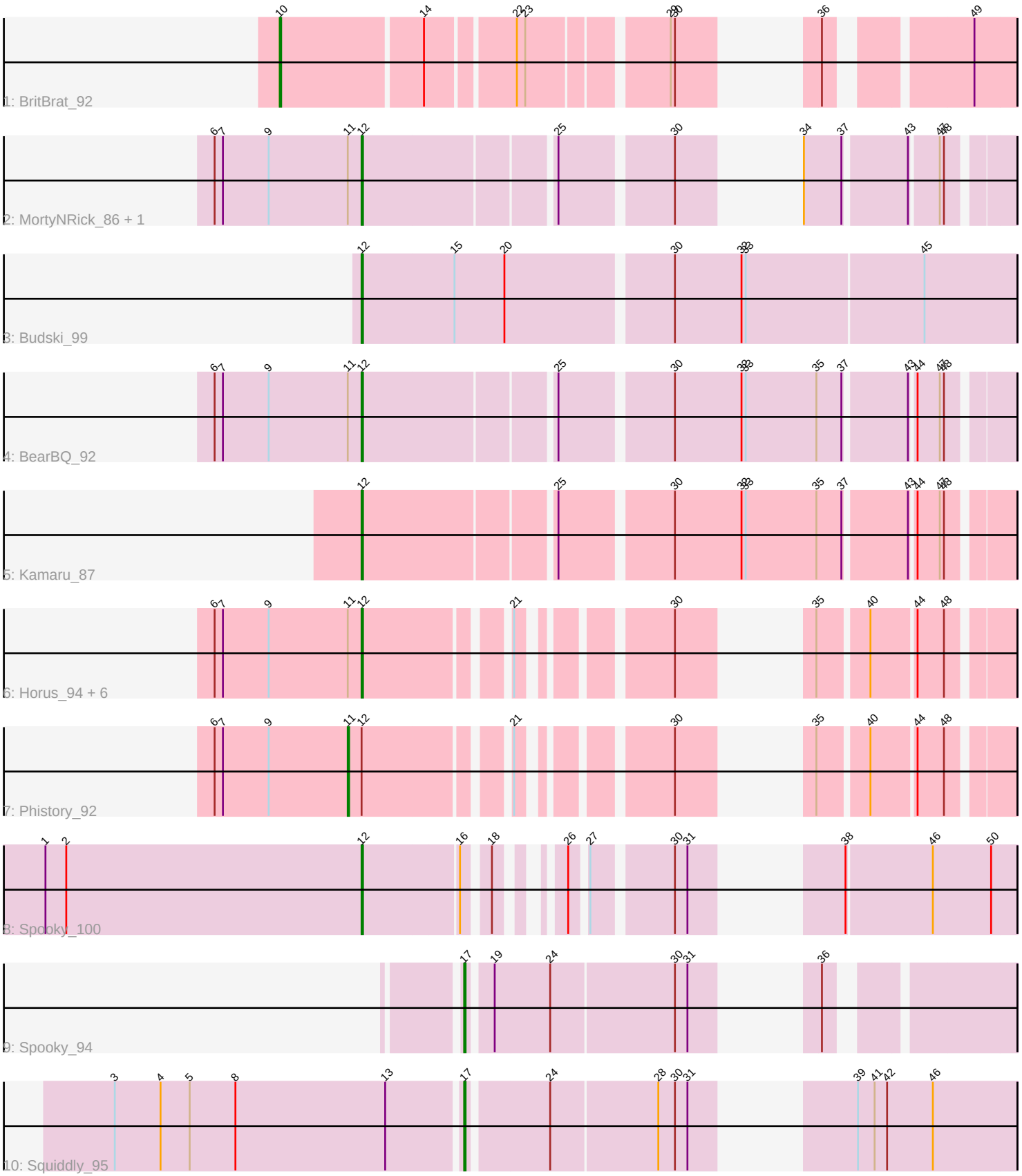
Pham 282531


1: BritBrat_92
2: MortyNRick_86 + 1
3: Budski_99
4: BearBQ_92
5: Kamaru_87
6: Horus_94 + 6
7: Phistory_92
8: Spooky_100
9: Spooky_94
10: Squiddly_95

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 282531 Report

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

Pham number 282531 has 17 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BritBrat_92
• Track 2 : MortyNRick_86, ODay_102
• Track 3 : Budski_99
• Track 4 : BearBQ_92
• Track 5 : Kamaru_87
• Track 6 : Horus_94, Frickyeah_100, Ecliptus_101, Periwinkle_102, Apricot_93, Leroy_94, Crater_93
• Track 7 : Phistory_92
• Track 8 : Spooky_100
• Track 9 : Spooky_94
• Track 10 : Squiddly_95

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

The start number called the most often in the published annotations is 12, it was called in 12 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apricot_93, BearBQ_92, Budski_99, Crater_93, Ecliptus_101, Frickyeah_100, Horus_94, Kamaru_87, Leroy_94, MortyNRick_86, ODay_102, Periwinkle_102, Spooky_100,

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

Genes that do not have the "Most Annotated" start:
• BritBrat_92, Spooky_94, Squiddly_95,

Summary by start number:

Start 10:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BritBrat_92 (CY2),

Start 11:
• Found in 11 of 17 (64.7%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Phistory_92 (DN1),

Start 12:
• Found in 14 of 17 (82.4%) of genes in pham
• Manual Annotations of this start: 12 of 16
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Apricot_93 (DN3), BearBQ_92 (DN), Budski_99 (DN), Crater_93 (DN3), Ecliptus_101 (DN), Frickyeah_100 (DN1), Horus_94 (DN1), Kamaru_87 (DN1), Leroy_94 (DN1), MortyNRick_86 (DN), ODay_102 (DN), Periwinkle_102 (DN1), Spooky_100 (DN2),

Start 17:
• Found in 2 of 17 (11.8%) of genes in pham
• Manual Annotations of this start: 2 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spooky_94 (DN2), Squiddly_95 (DN2),

Summary by clusters:

There are 5 clusters represented in this pham: DN, CY2, DN1, DN3, DN2,

Info for manual annotations of cluster CY2:
•Start number 10 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DN:
•Start number 12 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 11 was manually annotated 1 time for cluster DN1.
•Start number 12 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 12 was manually annotated 1 time for cluster DN2.
•Start number 17 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 12 was manually annotated 2 times for cluster DN3.

Gene Information:

Gene: Apricot_93 Start: 49480, Stop: 49815, Start Num: 12
Candidate Starts for Apricot_93:
(6, 49375), (7, 49381), (9, 49414), (Start: 11 @49471 has 1 MA's), (Start: 12 @49480 has 12 MA's), (21, 49570), (30, 49654), (35, 49693), (40, 49726), (44, 49756), (48, 49774),

Gene: BearBQ_92 Start: 51497, Stop: 51925, Start Num: 12
Candidate Starts for BearBQ_92:
(6, 51392), (7, 51398), (9, 51431), (Start: 11 @51488 has 1 MA's), (Start: 12 @51497 has 12 MA's), (25, 51626), (30, 51701), (32, 51749), (33, 51752), (35, 51803), (37, 51821), (43, 51863), (44, 51866), (47, 51881), (48, 51884),

Gene: BritBrat_92 Start: 52968, Stop: 53378, Start Num: 10
Candidate Starts for BritBrat_92:
(Start: 10 @52968 has 1 MA's), (14, 53067), (22, 53124), (23, 53130), (29, 53220), (30, 53223), (36, 53265), (49, 53349),

Gene: Budski_99 Start: 52736, Stop: 53194, Start Num: 12
Candidate Starts for Budski_99:
(Start: 12 @52736 has 12 MA's), (15, 52802), (20, 52838), (30, 52952), (32, 53000), (33, 53003), (45, 53129),

Gene: Crater_93 Start: 49824, Stop: 50159, Start Num: 12
Candidate Starts for Crater_93:
(6, 49719), (7, 49725), (9, 49758), (Start: 11 @49815 has 1 MA's), (Start: 12 @49824 has 12 MA's), (21, 49914), (30, 49998), (35, 50037), (40, 50070), (44, 50100), (48, 50118),

Gene: Ecliptus_101 Start: 53023, Stop: 53358, Start Num: 12
Candidate Starts for Ecliptus_101:
(6, 52918), (7, 52924), (9, 52957), (Start: 11 @53014 has 1 MA's), (Start: 12 @53023 has 12 MA's), (21, 53113), (30, 53197), (35, 53236), (40, 53269), (44, 53299), (48, 53317),

Gene: Frickyeah_100 Start: 51770, Stop: 52105, Start Num: 12
Candidate Starts for Frickyeah_100:
(6, 51665), (7, 51671), (9, 51704), (Start: 11 @51761 has 1 MA's), (Start: 12 @51770 has 12 MA's), (21, 51860), (30, 51944), (35, 51983), (40, 52016), (44, 52046), (48, 52064),

Gene: Horus_94 Start: 52045, Stop: 52380, Start Num: 12
Candidate Starts for Horus_94:
(6, 51940), (7, 51946), (9, 51979), (Start: 11 @52036 has 1 MA's), (Start: 12 @52045 has 12 MA's), (21, 52135), (30, 52219), (35, 52258), (40, 52291), (44, 52321), (48, 52339),

Gene: Kamaru_87 Start: 49076, Stop: 49504, Start Num: 12
Candidate Starts for Kamaru_87:
(Start: 12 @49076 has 12 MA's), (25, 49205), (30, 49280), (32, 49328), (33, 49331), (35, 49382), (37, 49400), (43, 49442), (44, 49445), (47, 49460), (48, 49463),

Gene: Leroy_94 Start: 50240, Stop: 50575, Start Num: 12
Candidate Starts for Leroy_94:
(6, 50135), (7, 50141), (9, 50174), (Start: 11 @50231 has 1 MA's), (Start: 12 @50240 has 12 MA's), (21, 50330), (30, 50414), (35, 50453), (40, 50486), (44, 50516), (48, 50534),

Gene: MortyNRick_86 Start: 50131, Stop: 50496, Start Num: 12
Candidate Starts for MortyNRick_86:
(6, 50026), (7, 50032), (9, 50065), (Start: 11 @50122 has 1 MA's), (Start: 12 @50131 has 12 MA's), (25, 50260), (30, 50335), (34, 50365), (37, 50392), (43, 50434), (47, 50452), (48, 50455),

Gene: ODay_102 Start: 53166, Stop: 53531, Start Num: 12
Candidate Starts for ODay_102:

(6, 53061), (7, 53067), (9, 53100), (Start: 11 @53157 has 1 MA's), (Start: 12 @53166 has 12 MA's), (25, 53295), (30, 53370), (34, 53400), (37, 53427), (43, 53469), (47, 53487), (48, 53490),

Gene: Periwinkle_102 Start: 53047, Stop: 53382, Start Num: 12
Candidate Starts for Periwinkle_102:
(6, 52942), (7, 52948), (9, 52981), (Start: 11 @53038 has 1 MA's), (Start: 12 @53047 has 12 MA's), (21, 53137), (30, 53221), (35, 53260), (40, 53293), (44, 53323), (48, 53341),

Gene: Phistory_92 Start: 49079, Stop: 49423, Start Num: 11
Candidate Starts for Phistory_92:
(6, 48983), (7, 48989), (9, 49022), (Start: 11 @49079 has 1 MA's), (Start: 12 @49088 has 12 MA's), (21, 49178), (30, 49262), (35, 49301), (40, 49334), (44, 49364), (48, 49382),

Gene: Spooky_100 Start: 53379, Stop: 53726, Start Num: 12
Candidate Starts for Spooky_100:
(1, 53151), (2, 53166), (Start: 12 @53379 has 12 MA's), (16, 53445), (18, 53460), (26, 53487), (27, 53496), (30, 53547), (31, 53556), (38, 53607), (46, 53667), (50, 53709),

Gene: Spooky_94 Start: 51519, Stop: 51815, Start Num: 17
Candidate Starts for Spooky_94:
(Start: 17 @51519 has 2 MA's), (19, 51534), (24, 51573), (30, 51660), (31, 51669), (36, 51702),

Gene: Squiddly_95 Start: 54461, Stop: 54784, Start Num: 17
Candidate Starts for Squiddly_95:
(3, 54215), (4, 54248), (5, 54269), (8, 54302), (13, 54410), (Start: 17 @54461 has 2 MA's), (24, 54515), (28, 54590), (30, 54602), (31, 54611), (39, 54671), (41, 54683), (42, 54692), (46, 54725),