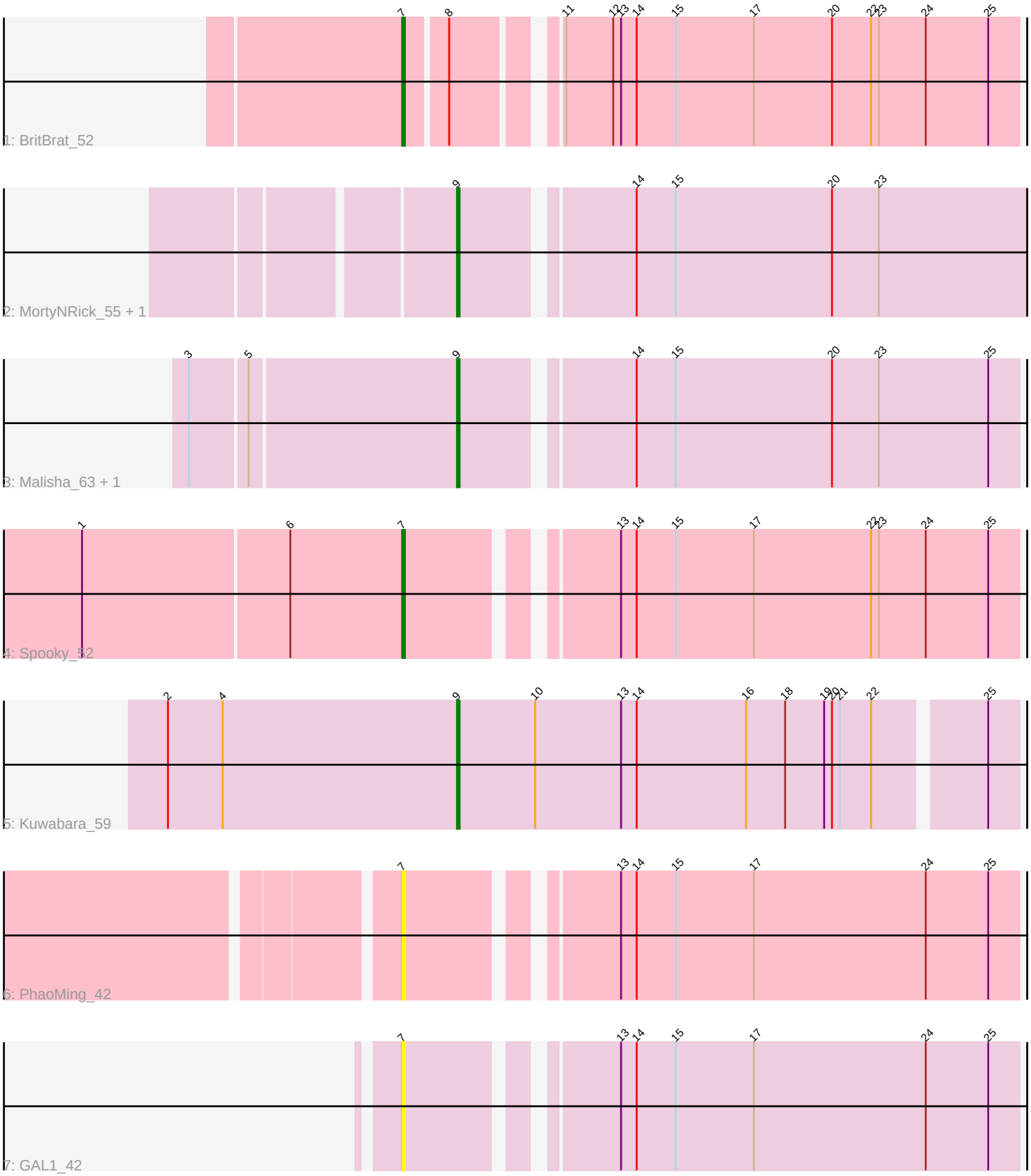
Pham 348295


7
8
11
12
13
14
15
17
20
22
23
24
25
1: BritBrat_52
9
14
15
20
23
2: MortyNRick_55 + 1
3
5
9
14
15
20
23
25
3: Malisha_63 + 1
1
6
7
13
14
15
17
22
23
24
25
4: Spooky_32
2
4
9
10
13
14
16
18
19
20
21
22
25
5: Kuwabara_59
7
13
14
15
17
24
25
6: PhaoMing_42
7
13
14
15
17
24
25
7: GAL1_42

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 348295 Report

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

Pham number 348295 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : BritBrat_52
• Track 2 : MortyNRick_55, BearBQ_57
• Track 3 : Malisha_63, Squiddly_59
• Track 4 : Spooky_52
• Track 5 : Kuwabara_59
• Track 6 : PhaoMing_42
• Track 7 : GAL1_42

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BearBQ_57, Kuwabara_59, Malisha_63, MortyNRick_55, Squiddly_59,

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

Genes that do not have the "Most Annotated" start:
• BritBrat_52, GAL1_42, PhaoMing_42, Spooky_52,

Summary by start number:

Start 7:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BritBrat_52 (CY2), GAL1_42 (singleton), PhaoMing_42 (UNK), Spooky_52 (DN2),

Start 9:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 5 of 7

• Called 100.0% of time when present
• Phage (with cluster) where this start called: BearBQ_57 (DN), Kuwabara_59 (DN4), Malisha_63 (DN), MortyNRick_55 (DN), Squiddly_59 (DN2),

Summary by clusters:

There are 6 clusters represented in this pham: DN, CY2, singleton, DN4, DN2, UNK,

Info for manual annotations of cluster CY2:
•Start number 7 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DN:
•Start number 9 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN2:
•Start number 7 was manually annotated 1 time for cluster DN2.
•Start number 9 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster DN4:
•Start number 9 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: BearBQ_57 Start: 39707, Stop: 39916, Start Num: 9
Candidate Starts for BearBQ_57:
(Start: 9 @39707 has 5 MA's), (14, 39767), (15, 39782), (20, 39842), (23, 39860),

Gene: BritBrat_52 Start: 37915, Stop: 38136, Start Num: 7
Candidate Starts for BritBrat_52:
(Start: 7 @37915 has 2 MA's), (8, 37930), (11, 37963), (12, 37981), (13, 37984), (14, 37990), (15, 38005), (17, 38035), (20, 38065), (22, 38080), (23, 38083), (24, 38101), (25, 38125),

Gene: GAL1_42 Start: 33753, Stop: 33974, Start Num: 7
Candidate Starts for GAL1_42:
(Start: 7 @33753 has 2 MA's), (13, 33822), (14, 33828), (15, 33843), (17, 33873), (24, 33939), (25, 33963),

Gene: Kuwabara_59 Start: 40035, Stop: 40244, Start Num: 9
Candidate Starts for Kuwabara_59:
(2, 39924), (4, 39945), (Start: 9 @40035 has 5 MA's), (10, 40065), (13, 40098), (14, 40104), (16, 40146), (18, 40161), (19, 40176), (20, 40179), (21, 40182), (22, 40194), (25, 40233),

Gene: Malisha_63 Start: 40533, Stop: 40739, Start Num: 9
Candidate Starts for Malisha_63:
(3, 40434), (5, 40455), (Start: 9 @40533 has 5 MA's), (14, 40593), (15, 40608), (20, 40668), (23, 40686), (25, 40728),

Gene: MortyNRick_55 Start: 39746, Stop: 39955, Start Num: 9
Candidate Starts for MortyNRick_55:
(Start: 9 @39746 has 5 MA's), (14, 39806), (15, 39821), (20, 39881), (23, 39899),

Gene: PhaoMing_42 Start: 34692, Stop: 34913, Start Num: 7
Candidate Starts for PhaoMing_42:
(Start: 7 @34692 has 2 MA's), (13, 34761), (14, 34767), (15, 34782), (17, 34812), (24, 34878), (25, 34902),

Gene: Spooky_52 Start: 37230, Stop: 37451, Start Num: 7
Candidate Starts for Spooky_52:
(1, 37110), (6, 37188), (Start: 7 @37230 has 2 MA's), (13, 37299), (14, 37305), (15, 37320), (17, 37350), (22, 37395), (23, 37398), (24, 37416), (25, 37440),

Gene: Squiddly_59 Start: 40046, Stop: 40252, Start Num: 9
Candidate Starts for Squiddly_59:
(3, 39947), (5, 39968), (Start: 9 @40046 has 5 MA's), (14, 40106), (15, 40121), (20, 40181), (23, 40199), (25, 40241),