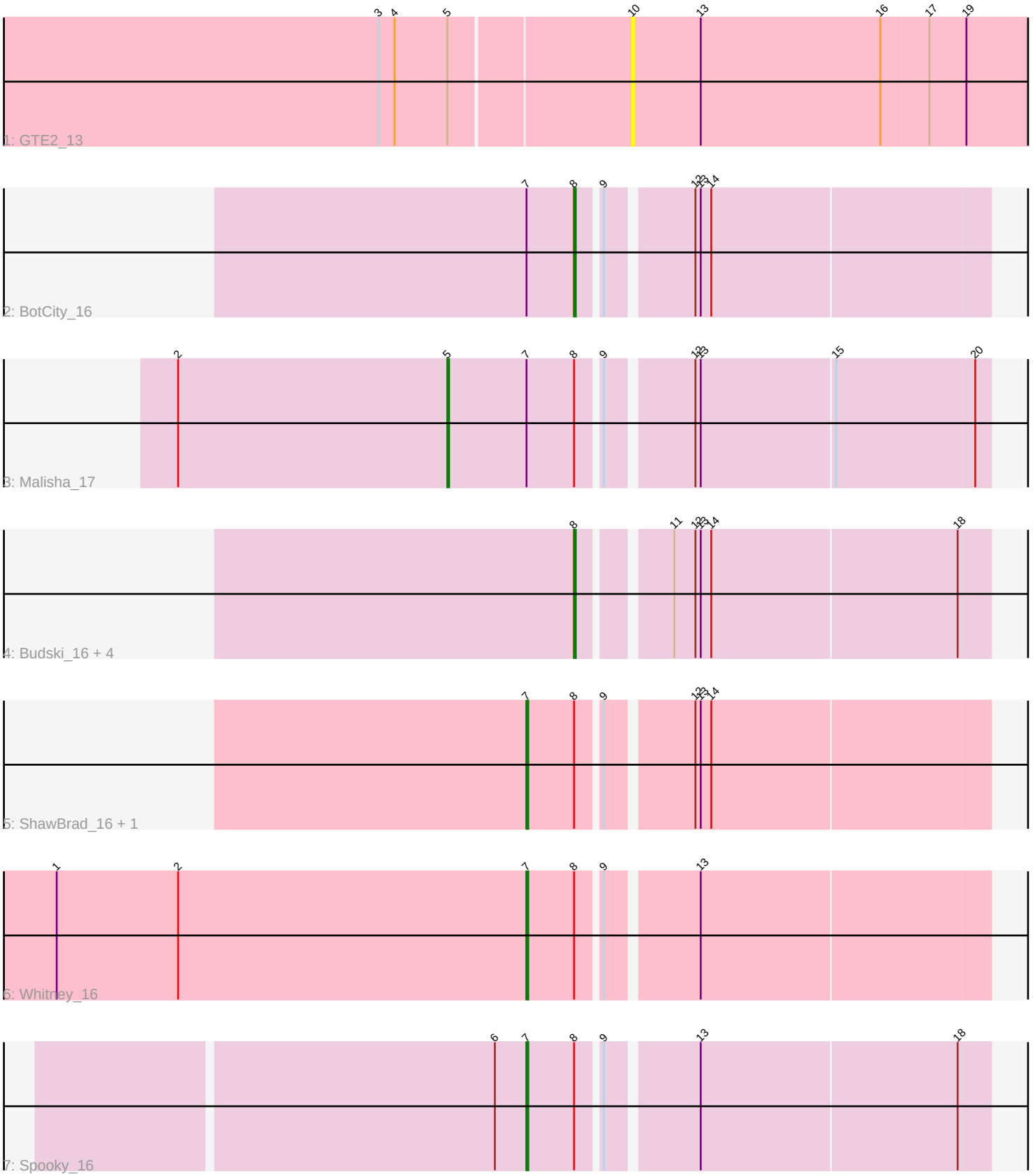
Pham 348203


3
4
5
10
13
16
17
19
1: GTE2_13
7
8
9
12
13
14
2: BotCity_16
2
5
7
8
9
12
13
15
20
3: Malisha_17
8
11
12
13
14
18
4: Budski_16 + 4
7
8
9
12
13
14
5: ShawBrad_16 + 1
1
2
7
8
9
13
6: Whitney_16
6
7
8
9
13
18
7: Spooky_16

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 348203 Report

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

Pham number 348203 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : GTE2_13
• Track 2 : BotCity_16
• Track 3 : Malisha_17
• Track 4 : Budski_16, Kamaru_16, Phabuloso_16, CheeseTouch_16, LitninMcQueen_16
• Track 5 : ShawBrad_16, Frickyeah_16
• Track 6 : Whitney_16
• Track 7 : Spooky_16

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

The start number called the most often in the published annotations is 8, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BotCity_16, Budski_16, CheeseTouch_16, Kamaru_16, LitninMcQueen_16, Phabuloso_16,

Genes that have the "Most Annotated" start but do not call it:
• Frickyeah_16, Malisha_17, ShawBrad_16, Spooky_16, Whitney_16,

Genes that do not have the "Most Annotated" start:
• GTE2_13,

Summary by start number:

Start 5:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Malisha_17 (DN),

Start 7:
• Found in 6 of 12 (50.0%) of genes in pham

• Manual Annotations of this start: 3 of 10
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Frickyeah_16 (DN1), ShawBrad_16 (DN1), Spooky_16 (DN2), Whitney_16 (DN1),

Start 8:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 54.5% of time when present
• Phage (with cluster) where this start called: BotCity_16 (DN), Budski_16 (DN), CheeseTouch_16 (DN1), Kamaru_16 (DN1), LitninMcQueen_16 (DN1), Phabuloso_16 (DN1),

Start 10:
• Found in 1 of 12 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GTE2_13 (CT),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN2, DN1, CT,

Info for manual annotations of cluster DN:
•Start number 5 was manually annotated 1 time for cluster DN.
•Start number 8 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 7 was manually annotated 2 times for cluster DN1.
•Start number 8 was manually annotated 4 times for cluster DN1.

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

Gene Information:

Gene: BotCity_16 Start: 8791, Stop: 9012, Start Num: 8
Candidate Starts for BotCity_16:
(Start: 7 @8764 has 3 MA's), (Start: 8 @8791 has 6 MA's), (9, 8803), (12, 8848), (13, 8851), (14, 8857),

Gene: Budski_16 Start: 8777, Stop: 8998, Start Num: 8
Candidate Starts for Budski_16:
(Start: 8 @8777 has 6 MA's), (11, 8822), (12, 8834), (13, 8837), (14, 8843), (18, 8981),

Gene: CheeseTouch_16 Start: 8777, Stop: 8998, Start Num: 8
Candidate Starts for CheeseTouch_16:
(Start: 8 @8777 has 6 MA's), (11, 8822), (12, 8834), (13, 8837), (14, 8843), (18, 8981),

Gene: Frickyeah_16 Start: 8766, Stop: 9014, Start Num: 7

Candidate Starts for Frickyeah_16:
(Start: 7 @8766 has 3 MA's), (Start: 8 @8793 has 6 MA's), (9, 8805), (12, 8850), (13, 8853), (14, 8859),

Gene: GTE2_13 Start: 9054, Stop: 9317, Start Num: 10
Candidate Starts for GTE2_13:
(3, 8916), (4, 8925), (Start: 5 @8955 has 1 MA's), (10, 9054), (13, 9093), (16, 9195), (17, 9222), (19, 9243),

Gene: Kamaru_16 Start: 8777, Stop: 8998, Start Num: 8
Candidate Starts for Kamaru_16:
(Start: 8 @8777 has 6 MA's), (11, 8822), (12, 8834), (13, 8837), (14, 8843), (18, 8981),

Gene: LitninMcQueen_16 Start: 8778, Stop: 8999, Start Num: 8
Candidate Starts for LitninMcQueen_16:
(Start: 8 @8778 has 6 MA's), (11, 8823), (12, 8835), (13, 8838), (14, 8844), (18, 8982),

Gene: Malisha_17 Start: 10505, Stop: 10798, Start Num: 5
Candidate Starts for Malisha_17:
(2, 10352), (Start: 5 @10505 has 1 MA's), (Start: 7 @10550 has 3 MA's), (Start: 8 @10577 has 6 MA's), (9, 10589), (12, 10634), (13, 10637), (15, 10712), (20, 10790),

Gene: Phabuloso_16 Start: 8778, Stop: 8999, Start Num: 8
Candidate Starts for Phabuloso_16:
(Start: 8 @8778 has 6 MA's), (11, 8823), (12, 8835), (13, 8838), (14, 8844), (18, 8982),

Gene: ShawBrad_16 Start: 8771, Stop: 9019, Start Num: 7
Candidate Starts for ShawBrad_16:
(Start: 7 @8771 has 3 MA's), (Start: 8 @8798 has 6 MA's), (9, 8810), (12, 8855), (13, 8858), (14, 8864),

Gene: Spooky_16 Start: 8754, Stop: 9002, Start Num: 7
Candidate Starts for Spooky_16:
(6, 8736), (Start: 7 @8754 has 3 MA's), (Start: 8 @8781 has 6 MA's), (9, 8793), (13, 8841), (18, 8985),

Gene: Whitney_16 Start: 8749, Stop: 8997, Start Num: 7
Candidate Starts for Whitney_16:
(1, 8482), (2, 8551), (Start: 7 @8749 has 3 MA's), (Start: 8 @8776 has 6 MA's), (9, 8788), (13, 8836),