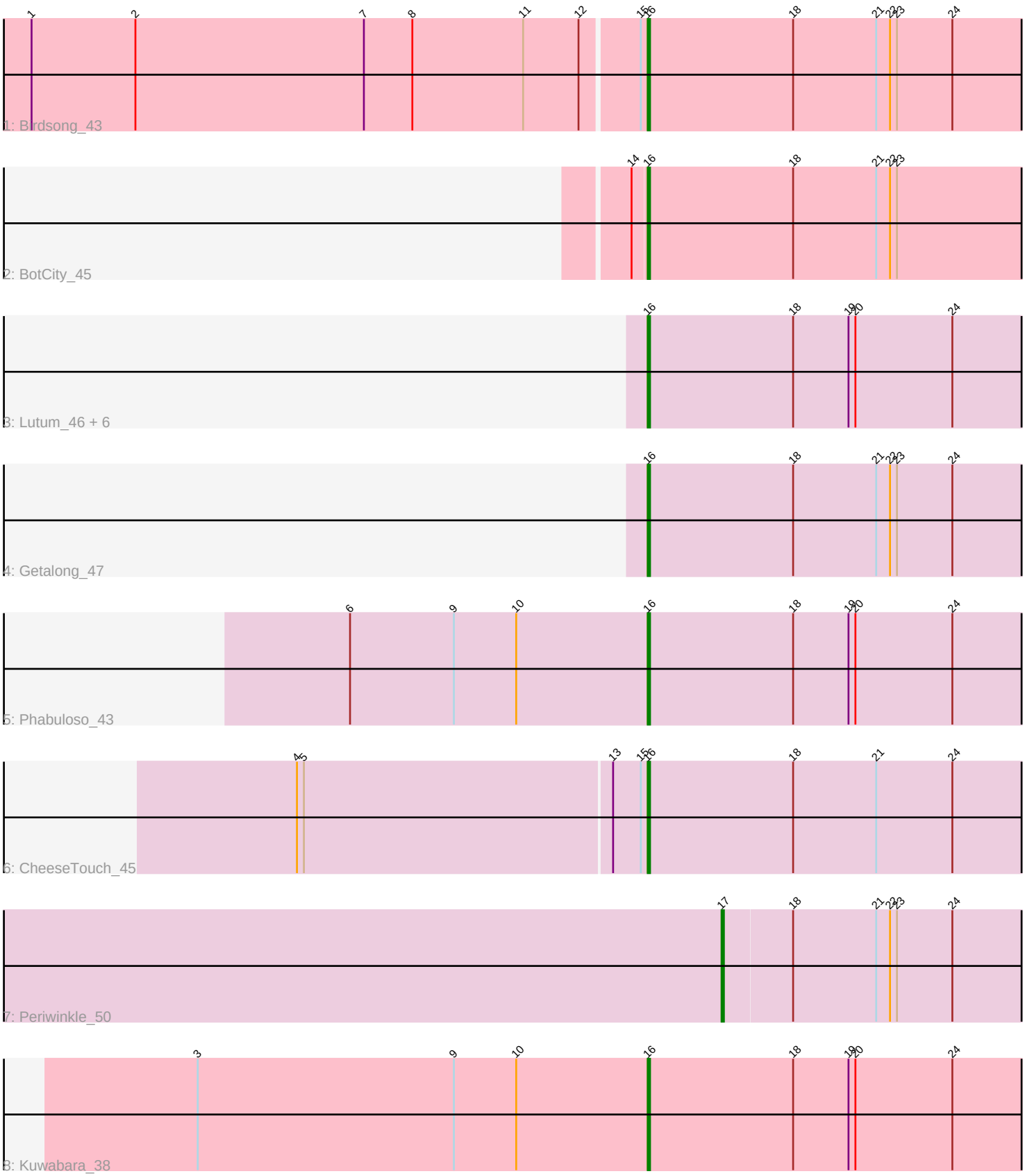
Pham 298926


1: Birdsong_43
2: BotCity_45
3: Lutum_46 + 6
4: Getalong_47
5: Phabuloso_43
6: CheeseTouch_45
7: Periwinkle_50
8: Kuwabara_38

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 298926 Report

This analysis was run 06/08/26 on database version 649.

Pham number 298926 has 14 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Birdsong_43
• Track 2 : BotCity_45
• Track 3 : Lutum_46, Frickyeah_46, Crater_43, ShawBrad_46, Phistory_46, Holliday_45, Kenna_45
• Track 4 : Getalong_47
• Track 5 : Phabuloso_43
• Track 6 : CheeseTouch_45
• Track 7 : Periwinkle_50
• Track 8 : Kuwabara_38

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

The start number called the most often in the published annotations is 16, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Birdsong_43, BotCity_45, CheeseTouch_45, Crater_43, Frickyeah_46, Getalong_47, Holliday_45, Kenna_45, Kuwabara_38, Lutum_46, Phabuloso_43, Phistory_46, ShawBrad_46,

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

Genes that do not have the "Most Annotated" start:
• Periwinkle_50,

Summary by start number:

Start 16:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Birdsong_43 (DN), BotCity_45 (DN), CheeseTouch_45 (DN1), Crater_43 (DN3), Frickyeah_46 (DN1), Getalong_47 (DN1),

Holliday_45 (DN1), Kenna_45 (DN1), Kuwabara_38 (DN4), Lutum_46 (DN1), Phabuloso_43 (DN1), Phistory_46 (DN1), ShawBrad_46 (DN1),

Start 17:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Periwinkle_50 (DN1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN4, DN1, DN3,

Info for manual annotations of cluster DN:
•Start number 16 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 16 was manually annotated 7 times for cluster DN1.
•Start number 17 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN3:
•Start number 16 was manually annotated 1 time for cluster DN3.

Info for manual annotations of cluster DN4:
•Start number 16 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: Birdsong_43 Start: 31367, Stop: 31540, Start Num: 16
Candidate Starts for Birdsong_43:
(1, 31103), (2, 31148), (7, 31247), (8, 31268), (11, 31316), (12, 31340), (15, 31364), (Start: 16 @31367 has 11 MA's), (18, 31430), (21, 31466), (22, 31472), (23, 31475), (24, 31499),

Gene: BotCity_45 Start: 31158, Stop: 31331, Start Num: 16
Candidate Starts for BotCity_45:
(14, 31152), (Start: 16 @31158 has 11 MA's), (18, 31221), (21, 31257), (22, 31263), (23, 31266),

Gene: CheeseTouch_45 Start: 28896, Stop: 29069, Start Num: 16
Candidate Starts for CheeseTouch_45:
(4, 28746), (5, 28749), (13, 28881), (15, 28893), (Start: 16 @28896 has 11 MA's), (18, 28959), (21, 28995), (24, 29028),

Gene: Crater_43 Start: 30258, Stop: 30431, Start Num: 16
Candidate Starts for Crater_43:
(Start: 16 @30258 has 11 MA's), (18, 30321), (19, 30345), (20, 30348), (24, 30390),

Gene: Frickyeah_46 Start: 30210, Stop: 30383, Start Num: 16
Candidate Starts for Frickyeah_46:
(Start: 16 @30210 has 11 MA's), (18, 30273), (19, 30297), (20, 30300), (24, 30342),

Gene: Getalong_47 Start: 32994, Stop: 33167, Start Num: 16

Candidate Starts for Getalong_47:
(Start: 16 @32994 has 11 MA's), (18, 33057), (21, 33093), (22, 33099), (23, 33102), (24, 33126),

Gene: Holliday_45 Start: 30785, Stop: 30958, Start Num: 16
Candidate Starts for Holliday_45:
(Start: 16 @30785 has 11 MA's), (18, 30848), (19, 30872), (20, 30875), (24, 30917),

Gene: Kenna_45 Start: 31121, Stop: 31294, Start Num: 16
Candidate Starts for Kenna_45:
(Start: 16 @31121 has 11 MA's), (18, 31184), (19, 31208), (20, 31211), (24, 31253),

Gene: Kuwabara_38 Start: 29852, Stop: 30025, Start Num: 16
Candidate Starts for Kuwabara_38:
(3, 29657), (9, 29768), (10, 29795), (Start: 16 @29852 has 11 MA's), (18, 29915), (19, 29939), (20, 29942), (24, 29984),

Gene: Lutum_46 Start: 31121, Stop: 31294, Start Num: 16
Candidate Starts for Lutum_46:
(Start: 16 @31121 has 11 MA's), (18, 31184), (19, 31208), (20, 31211), (24, 31253),

Gene: Periwinkle_50 Start: 33020, Stop: 33160, Start Num: 17
Candidate Starts for Periwinkle_50:
(Start: 17 @33020 has 1 MA's), (18, 33050), (21, 33086), (22, 33092), (23, 33095), (24, 33119),

Gene: Phabuloso_43 Start: 30837, Stop: 31010, Start Num: 16
Candidate Starts for Phabuloso_43:
(6, 30708), (9, 30753), (10, 30780), (Start: 16 @30837 has 11 MA's), (18, 30900), (19, 30924), (20, 30927), (24, 30969),

Gene: Phistory_46 Start: 31472, Stop: 31645, Start Num: 16
Candidate Starts for Phistory_46:
(Start: 16 @31472 has 11 MA's), (18, 31535), (19, 31559), (20, 31562), (24, 31604),

Gene: ShawBrad_46 Start: 30695, Stop: 30868, Start Num: 16
Candidate Starts for ShawBrad_46:
(Start: 16 @30695 has 11 MA's), (18, 30758), (19, 30782), (20, 30785), (24, 30827),