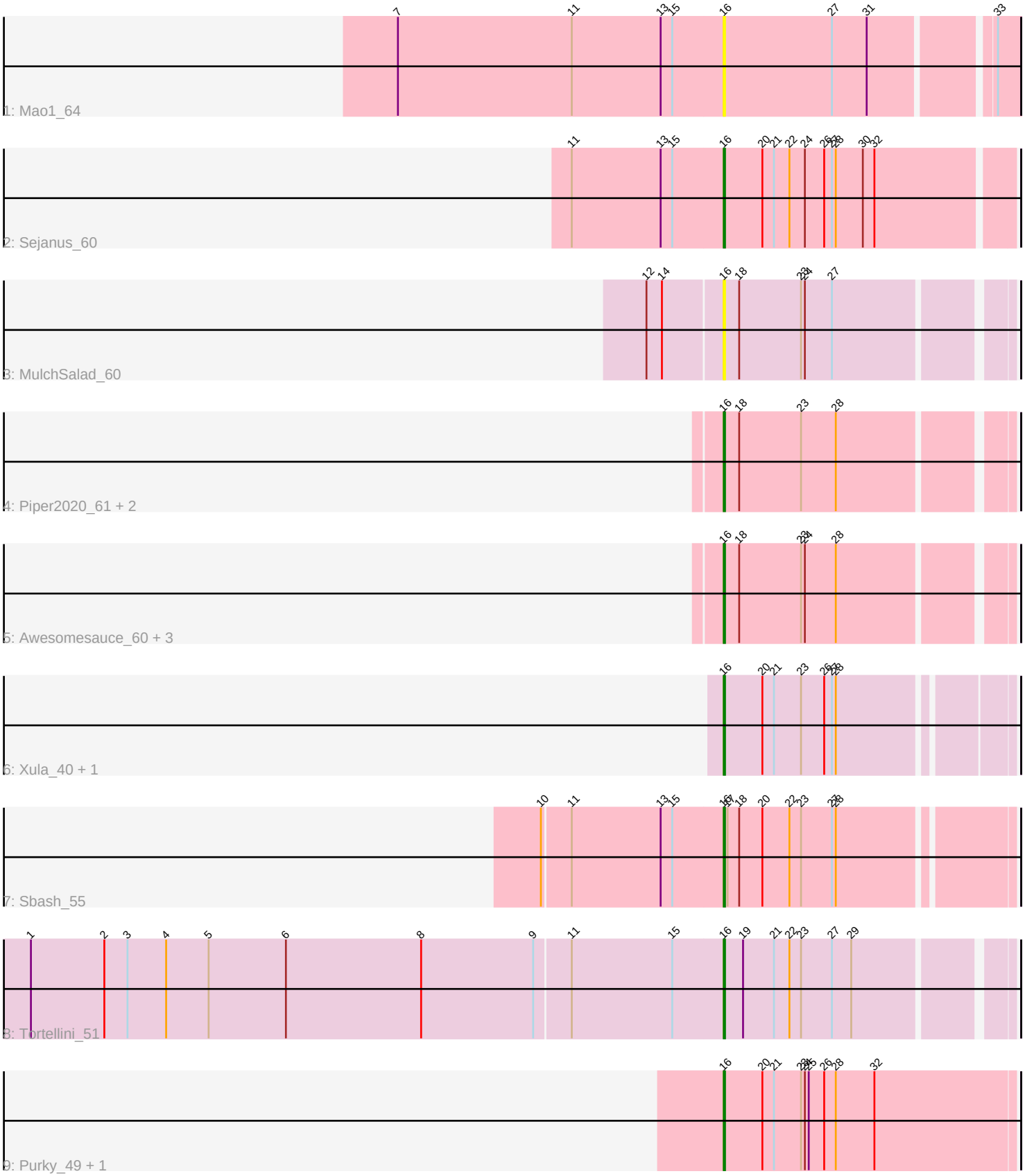
Pham 87090


1: Mao1_64
2: Sejanus_60
3: MulchSalad_60
4: Piper2020_61 + 2
5: Awesomesauce_60 + 3
6: Xula_40 + 1
7: Sbash_55
8: Tortellini_51
9: Purky_49 + 1

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 87090 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87090 has 16 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Mao1_64
• Track 2 : Sejanus_60
• Track 3 : MulchSalad_60
• Track 4 : Piper2020_61, DocMcStuffins_59, ChickenDinner_62
• Track 5 : Awesomesauce_60, Misha28_58, LilSpotty_60, TootsiePop_58
• Track 6 : Xula_40, QueenHazel_41
• Track 7 : Sbash_55
• Track 8 : Tortellini_51
• Track 9 : Purky_49, Che9c_58

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Awesomesauce_60, Che9c_58, ChickenDinner_62, DocMcStuffins_59, LilSpotty_60, Mao1_64, Misha28_58, MulchSalad_60, Piper2020_61, Purky_49, QueenHazel_41, Sbash_55, Sejanus_60, TootsiePop_58, Tortellini_51, Xula_40,

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

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

Summary by start number:

Start 16:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Awesomesauce_60 (F1), Che9c_58 (I2), ChickenDinner_62 (F1), DocMcStuffins_59 (F1), LilSpotty_60 (singleton), Mao1_64

(AD), Misha28_58 (F1), MulchSalad_60 (F), Piper2020_61 (F1), Purky_49 (P6), QueenHazel_41 (I1), Sbash_55 (I2), Sejanus_60 (AD), TootsiePop_58 (F1), Tortellini_51 (P2), Xula_40 (I1),

Summary by clusters:

There are 8 clusters represented in this pham: P2, F1, singleton, P6, AD, F, I1, I2,

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

Info for manual annotations of cluster F1:
•Start number 16 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster I1:
•Start number 16 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 16 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster P2:
•Start number 16 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P6:
•Start number 16 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: Awesomesauce_60 Start: 38779, Stop: 38988, Start Num: 16
Candidate Starts for Awesomesauce_60:
(Start: 16 @38779 has 12 MA's), (18, 38791), (23, 38839), (24, 38842), (28, 38866),

Gene: Che9c_58 Start: 42336, Stop: 42560, Start Num: 16
Candidate Starts for Che9c_58:
(Start: 16 @42336 has 12 MA's), (20, 42366), (21, 42375), (23, 42396), (24, 42399), (25, 42402), (26, 42414), (28, 42423), (32, 42453),

Gene: ChickenDinner_62 Start: 39696, Stop: 39905, Start Num: 16
Candidate Starts for ChickenDinner_62:
(Start: 16 @39696 has 12 MA's), (18, 39708), (23, 39756), (28, 39783),

Gene: DocMcStuffins_59 Start: 39696, Stop: 39905, Start Num: 16
Candidate Starts for DocMcStuffins_59:
(Start: 16 @39696 has 12 MA's), (18, 39708), (23, 39756), (28, 39783),

Gene: LilSpotty_60 Start: 38093, Stop: 38302, Start Num: 16
Candidate Starts for LilSpotty_60:
(Start: 16 @38093 has 12 MA's), (18, 38105), (23, 38153), (24, 38156), (28, 38180),

Gene: Mao1_64 Start: 47215, Stop: 47430, Start Num: 16

Candidate Starts for Mao1_64:
(7, 46963), (11, 47098), (13, 47167), (15, 47176), (Start: 16 @47215 has 12 MA's), (27, 47299), (31, 47326), (33, 47413),

Gene: Misha28_58 Start: 38784, Stop: 38993, Start Num: 16
Candidate Starts for Misha28_58:
(Start: 16 @38784 has 12 MA's), (18, 38796), (23, 38844), (24, 38847), (28, 38871),

Gene: MulchSalad_60 Start: 38018, Stop: 38227, Start Num: 16
Candidate Starts for MulchSalad_60:
(12, 37961), (14, 37973), (Start: 16 @38018 has 12 MA's), (18, 38030), (23, 38078), (24, 38081), (27, 38102),

Gene: Piper2020_61 Start: 39679, Stop: 39888, Start Num: 16
Candidate Starts for Piper2020_61:
(Start: 16 @39679 has 12 MA's), (18, 39691), (23, 39739), (28, 39766),

Gene: Purky_49 Start: 33737, Stop: 33961, Start Num: 16
Candidate Starts for Purky_49:
(Start: 16 @33737 has 12 MA's), (20, 33767), (21, 33776), (23, 33797), (24, 33800), (25, 33803), (26, 33815), (28, 33824), (32, 33854),

Gene: QueenHazel_41 Start: 31423, Stop: 31632, Start Num: 16
Candidate Starts for QueenHazel_41:
(Start: 16 @31423 has 12 MA's), (20, 31453), (21, 31462), (23, 31483), (26, 31501), (27, 31507), (28, 31510),

Gene: Sbash_55 Start: 40134, Stop: 40346, Start Num: 16
Candidate Starts for Sbash_55:
(10, 39996), (11, 40017), (13, 40086), (15, 40095), (Start: 16 @40134 has 12 MA's), (17, 40137), (18, 40146), (20, 40164), (22, 40185), (23, 40194), (27, 40218), (28, 40221),

Gene: Sejanus_60 Start: 48123, Stop: 48341, Start Num: 16
Candidate Starts for Sejanus_60:
(11, 48006), (13, 48075), (15, 48084), (Start: 16 @48123 has 12 MA's), (20, 48153), (21, 48162), (22, 48174), (24, 48186), (26, 48201), (27, 48207), (28, 48210), (30, 48231), (32, 48240),

Gene: TootsiePop_58 Start: 38784, Stop: 38993, Start Num: 16
Candidate Starts for TootsiePop_58:
(Start: 16 @38784 has 12 MA's), (18, 38796), (23, 38844), (24, 38847), (28, 38871),

Gene: Tortellini_51 Start: 38205, Stop: 38414, Start Num: 16
Candidate Starts for Tortellini_51:
(1, 37671), (2, 37728), (3, 37746), (4, 37776), (5, 37809), (6, 37869), (8, 37974), (9, 38061), (11, 38088), (15, 38166), (Start: 16 @38205 has 12 MA's), (19, 38220), (21, 38244), (22, 38256), (23, 38265), (27, 38289), (29, 38304),

Gene: Xula_40 Start: 31025, Stop: 31234, Start Num: 16
Candidate Starts for Xula_40:
(Start: 16 @31025 has 12 MA's), (20, 31055), (21, 31064), (23, 31085), (26, 31103), (27, 31109), (28, 31112),