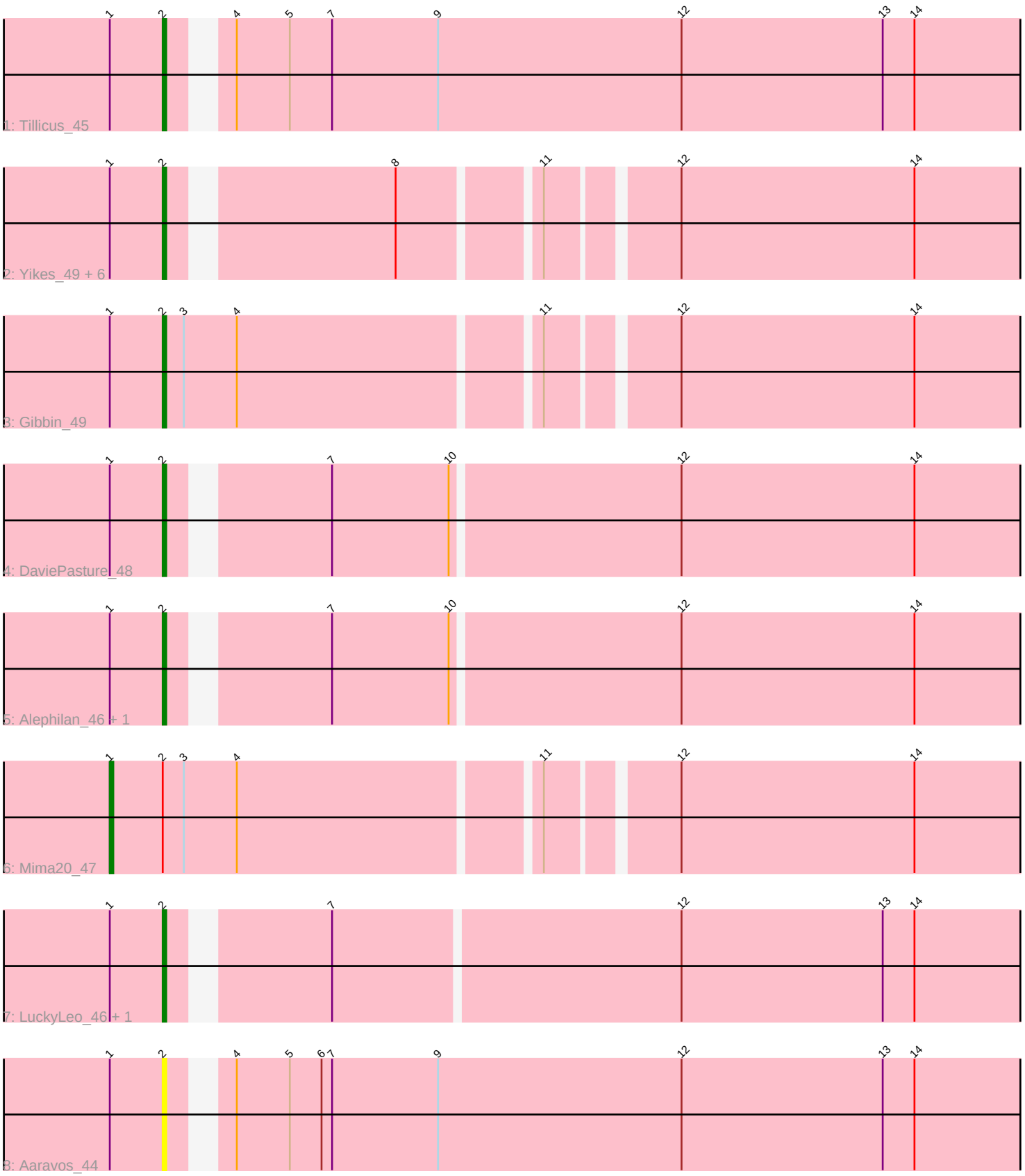
Pham 344497


1
2
4
5
7
9
12
13
14
1: Tillicus_45
1
2
8
11
12
14
2: Yikes_49 + 6
1
2
3
4
11
12
14
3: Gibbin_49
1
2
7
10
12
14
4: DaviePasture_48
1
2
7
10
12
14
5: Alephilan_46 + 1
1
2
3
4
11
12
14
6: Mima20_47
1
2
7
12
13
14
7: LuckyLeo_46 + 1
1
2
4
5
6
7
9
12
13
14
8: Aaravos_44

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 344497 Report

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

Pham number 344497 has 16 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Tillicus_45
• Track 2 : Yikes_49, DoobyDoo_46, Patos_50, LavAbarElk_47, NorManre_50, Jalebi_47, Sampudon_48
• Track 3 : Gibbin_49
• Track 4 : DaviePasture_48
• Track 5 : Alephilan_46, MoiGyank_51
• Track 6 : Mima20_47
• Track 7 : LuckyLeo_46, Apeppi_44
• Track 8 : Aaravos_44

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

The start number called the most often in the published annotations is 2, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aaravos_44, Alephilan_46, Apeppi_44, DaviePasture_48, DoobyDoo_46, Gibbin_49, Jalebi_47, LavAbarElk_47, LuckyLeo_46, MoiGyank_51, NorManre_50, Patos_50, Sampudon_48, Tillicus_45, Yikes_49,

Genes that have the "Most Annotated" start but do not call it:
• Mima20_47,

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

Summary by start number:

Start 1:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Mima20_47 (DV),

Start 2:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 14
• Called 93.8% of time when present
• Phage (with cluster) where this start called: Aaravos_44 (DV), Alephilan_46 (DV), Apeppi_44 (DV), DaviePasture_48 (DV), DoobyDoo_46 (DV), Gibbin_49 (DV), Jalebi_47 (DV), LavAbarElk_47 (DV), LuckyLeo_46 (DV), MoiGyank_51 (DV), NorManre_50 (DV), Patos_50 (DV), Sampudon_48 (DV), Tillicus_45 (DV), Yikes_49 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:
•Start number 1 was manually annotated 1 time for cluster DV.
•Start number 2 was manually annotated 13 times for cluster DV.

Gene Information:

Gene: Aaravos_44 Start: 35485, Stop: 35754, Start Num: 2
Candidate Starts for Aaravos_44:
(Start: 1 @35470 has 1 MA's), (Start: 2 @35485 has 13 MA's), (4, 35497), (5, 35512), (6, 35521), (7, 35524), (9, 35554), (12, 35623), (13, 35680), (14, 35689),

Gene: Alephilan_46 Start: 36046, Stop: 36309, Start Num: 2
Candidate Starts for Alephilan_46:
(Start: 1 @36031 has 1 MA's), (Start: 2 @36046 has 13 MA's), (7, 36085), (10, 36118), (12, 36181), (14, 36247),

Gene: Apeppi_44 Start: 35547, Stop: 35813, Start Num: 2
Candidate Starts for Apeppi_44:
(Start: 1 @35532 has 1 MA's), (Start: 2 @35547 has 13 MA's), (7, 35586), (12, 35682), (13, 35739), (14, 35748),

Gene: DaviePasture_48 Start: 36390, Stop: 36653, Start Num: 2
Candidate Starts for DaviePasture_48:
(Start: 1 @36375 has 1 MA's), (Start: 2 @36390 has 13 MA's), (7, 36429), (10, 36462), (12, 36525), (14, 36591),

Gene: DoobyDoo_46 Start: 35210, Stop: 35467, Start Num: 2
Candidate Starts for DoobyDoo_46:
(Start: 1 @35195 has 1 MA's), (Start: 2 @35210 has 13 MA's), (8, 35267), (11, 35306), (12, 35339), (14, 35405),

Gene: Gibbin_49 Start: 36699, Stop: 36962, Start Num: 2
Candidate Starts for Gibbin_49:
(Start: 1 @36684 has 1 MA's), (Start: 2 @36699 has 13 MA's), (3, 36705), (4, 36720), (11, 36801), (12, 36834), (14, 36900),

Gene: Jalebi_47 Start: 37127, Stop: 37381, Start Num: 2

Candidate Starts for Jalebi_47:
(Start: 1 @37112 has 1 MA's), (Start: 2 @37127 has 13 MA's), (8, 37184), (11, 37220), (12, 37253), (14, 37319),

Gene: LavAbarElk_47 Start: 35268, Stop: 35522, Start Num: 2
Candidate Starts for LavAbarElk_47:
(Start: 1 @35253 has 1 MA's), (Start: 2 @35268 has 13 MA's), (8, 35325), (11, 35361), (12, 35394), (14, 35460),

Gene: LuckyLeo_46 Start: 35547, Stop: 35813, Start Num: 2
Candidate Starts for LuckyLeo_46:
(Start: 1 @35532 has 1 MA's), (Start: 2 @35547 has 13 MA's), (7, 35586), (12, 35682), (13, 35739), (14, 35748),

Gene: Mima20_47 Start: 36275, Stop: 36553, Start Num: 1
Candidate Starts for Mima20_47:
(Start: 1 @36275 has 1 MA's), (Start: 2 @36290 has 13 MA's), (3, 36296), (4, 36311), (11, 36392), (12, 36425), (14, 36491),

Gene: MoiGyank_51 Start: 37187, Stop: 37450, Start Num: 2
Candidate Starts for MoiGyank_51:
(Start: 1 @37172 has 1 MA's), (Start: 2 @37187 has 13 MA's), (7, 37226), (10, 37259), (12, 37322), (14, 37388),

Gene: NorManre_50 Start: 36408, Stop: 36662, Start Num: 2
Candidate Starts for NorManre_50:
(Start: 1 @36393 has 1 MA's), (Start: 2 @36408 has 13 MA's), (8, 36465), (11, 36501), (12, 36534), (14, 36600),

Gene: Patos_50 Start: 36407, Stop: 36661, Start Num: 2
Candidate Starts for Patos_50:
(Start: 1 @36392 has 1 MA's), (Start: 2 @36407 has 13 MA's), (8, 36464), (11, 36500), (12, 36533), (14, 36599),

Gene: Sampudon_48 Start: 37127, Stop: 37381, Start Num: 2
Candidate Starts for Sampudon_48:
(Start: 1 @37112 has 1 MA's), (Start: 2 @37127 has 13 MA's), (8, 37184), (11, 37220), (12, 37253), (14, 37319),

Gene: Tillicus_45 Start: 35474, Stop: 35743, Start Num: 2
Candidate Starts for Tillicus_45:
(Start: 1 @35459 has 1 MA's), (Start: 2 @35474 has 13 MA's), (4, 35486), (5, 35501), (7, 35513), (9, 35543), (12, 35612), (13, 35669), (14, 35678),

Gene: Yikes_49 Start: 37194, Stop: 37448, Start Num: 2
Candidate Starts for Yikes_49:
(Start: 1 @37179 has 1 MA's), (Start: 2 @37194 has 13 MA's), (8, 37251), (11, 37287), (12, 37320), (14, 37386),