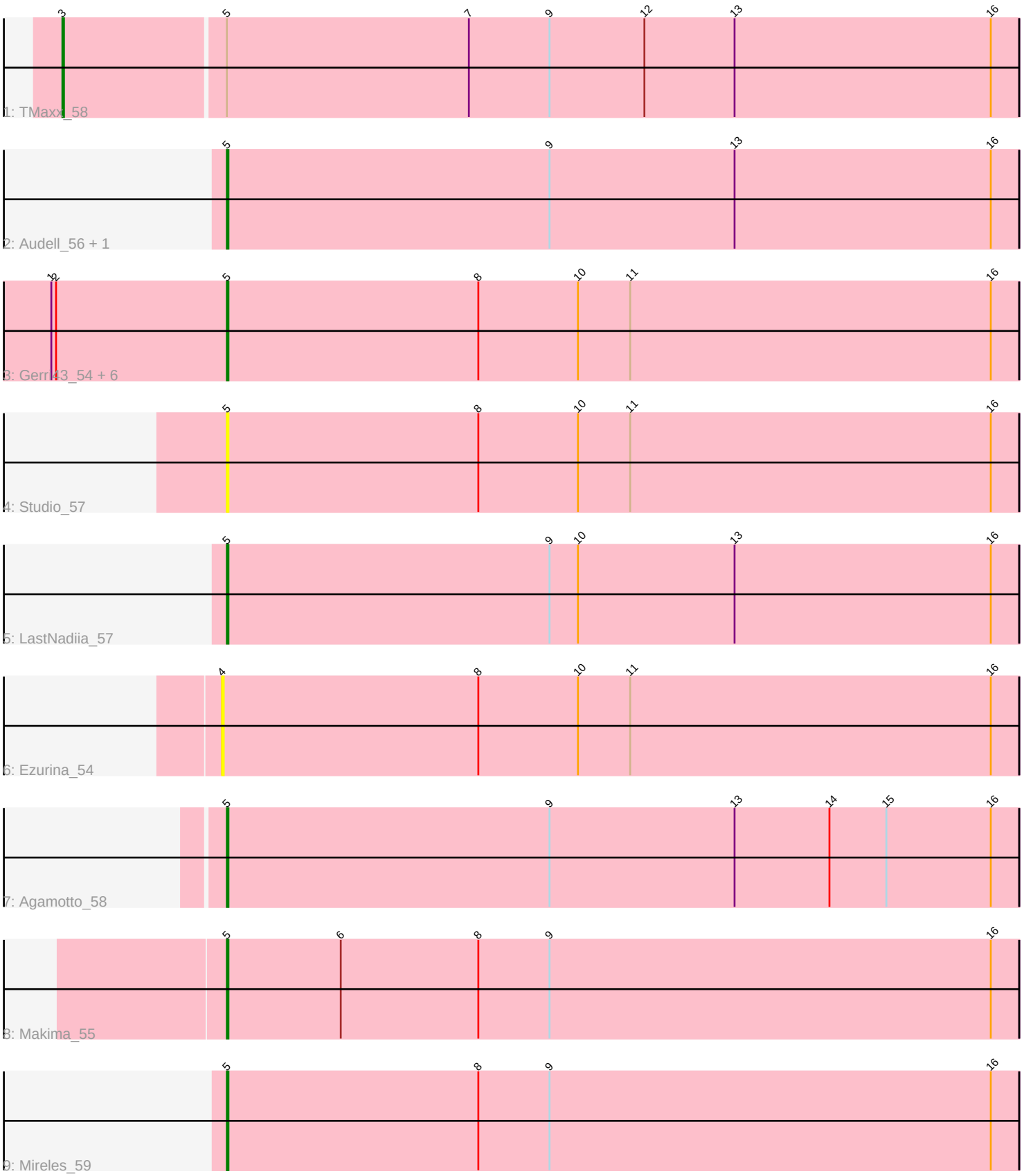
Pham 344515


3
5
7
9
12
13
16
1: TMaxx_58
5
9
13
16
2: Audell_56 + 1
1
2
5
8
10
11
16
3: Gerri43_54 + 6
5
8
10
11
16
4: Studio_57
5
9
10
13
16
5: LastNadiia_57
4
8
10
11
16
6: Ezurina_54
5
9
13
14
15
16
7: Agamotto_58
5
6
8
9
16
8: Makima_55
5
8
9
16
9: Mireles_59

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 344515 Report

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

Pham number 344515 has 16 members, 5 are drafts.

Phages represented in each track:
• Track 1 : TMaxx_58
• Track 2 : Audell_56, TripleC_56
• Track 3 : Gerri43_54, CardboardBox_55, ChamoyPickle_56, AnnabelLee_56, Neuvillette_54, Roberts_55, ChipsNGuac_55
• Track 4 : Studio_57
• Track 5 : LastNadiia_57
• Track 6 : Ezurina_54
• Track 7 : Agamotto_58
• Track 8 : Makima_55
• Track 9 : Mireles_59

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

The start number called the most often in the published annotations is 5, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agamotto_58, AnnabelLee_56, Audell_56, CardboardBox_55, ChamoyPickle_56, ChipsNGuac_55, Gerri43_54, LastNadiia_57, Makima_55, Mireles_59, Neuvillette_54, Roberts_55, Studio_57, TripleC_56,

Genes that have the "Most Annotated" start but do not call it:
• TMaxx_58,

Genes that do not have the "Most Annotated" start:
• Ezurina_54,

Summary by start number:

Start 3:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TMaxx_58 (FR),

Start 4:
• Found in 1 of 16 (6.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ezurina_54 (FR),

Start 5:
• Found in 15 of 16 (93.8%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 93.3% of time when present
• Phage (with cluster) where this start called: Agamotto_58 (FR), AnnabelLee_56 (FR), Audell_56 (FR), CardboardBox_55 (FR), ChamoyPickle_56 (FR), ChipsNGuac_55 (FR), Gerri43_54 (FR), LastNadiia_57 (FR), Makima_55 (FR), Mireles_59 (FR), Neuvillette_54 (FR), Roberts_55 (FR), Studio_57 (FR), TripleC_56 (FR),

Summary by clusters:

There is one cluster represented in this pham: FR

Info for manual annotations of cluster FR:
•Start number 3 was manually annotated 1 time for cluster FR.
•Start number 5 was manually annotated 10 times for cluster FR.

Gene Information:

Gene: Agamotto_58 Start: 37501, Stop: 37001, Start Num: 5
Candidate Starts for Agamotto_58:
(Start: 5 @37501 has 10 MA's), (9, 37297), (13, 37180), (14, 37120), (15, 37084), (16, 37018),

Gene: AnnabelLee_56 Start: 34178, Stop: 33678, Start Num: 5
Candidate Starts for AnnabelLee_56:
(1, 34289), (2, 34286), (Start: 5 @34178 has 10 MA's), (8, 34019), (10, 33956), (11, 33923), (16, 33695),

Gene: Audell_56 Start: 37194, Stop: 36694, Start Num: 5
Candidate Starts for Audell_56:
(Start: 5 @37194 has 10 MA's), (9, 36990), (13, 36873), (16, 36711),

Gene: CardboardBox_55 Start: 34181, Stop: 33681, Start Num: 5
Candidate Starts for CardboardBox_55:
(1, 34292), (2, 34289), (Start: 5 @34181 has 10 MA's), (8, 34022), (10, 33959), (11, 33926), (16, 33698),

Gene: ChamoyPickle_56 Start: 34721, Stop: 34221, Start Num: 5
Candidate Starts for ChamoyPickle_56:
(1, 34832), (2, 34829), (Start: 5 @34721 has 10 MA's), (8, 34562), (10, 34499), (11, 34466), (16, 34238),

Gene: ChipsNGuac_55 Start: 34181, Stop: 33681, Start Num: 5

Candidate Starts for ChipsNGuac_55:
(1, 34292), (2, 34289), (Start: 5 @34181 has 10 MA's), (8, 34022), (10, 33959), (11, 33926), (16, 33698),

Gene: Ezurina_54 Start: 35183, Stop: 34680, Start Num: 4
Candidate Starts for Ezurina_54:
(4, 35183), (8, 35021), (10, 34958), (11, 34925), (16, 34697),

Gene: Gerri43_54 Start: 34181, Stop: 33681, Start Num: 5
Candidate Starts for Gerri43_54:
(1, 34292), (2, 34289), (Start: 5 @34181 has 10 MA's), (8, 34022), (10, 33959), (11, 33926), (16, 33698),

Gene: LastNadiia_57 Start: 36832, Stop: 36332, Start Num: 5
Candidate Starts for LastNadiia_57:
(Start: 5 @36832 has 10 MA's), (9, 36628), (10, 36610), (13, 36511), (16, 36349),

Gene: Makima_55 Start: 36262, Stop: 35762, Start Num: 5
Candidate Starts for Makima_55:
(Start: 5 @36262 has 10 MA's), (6, 36190), (8, 36103), (9, 36058), (16, 35779),

Gene: Mireles_59 Start: 35910, Stop: 35410, Start Num: 5
Candidate Starts for Mireles_59:
(Start: 5 @35910 has 10 MA's), (8, 35751), (9, 35706), (16, 35427),

Gene: Neuvillette_54 Start: 34181, Stop: 33681, Start Num: 5
Candidate Starts for Neuvillette_54:
(1, 34292), (2, 34289), (Start: 5 @34181 has 10 MA's), (8, 34022), (10, 33959), (11, 33926), (16, 33698),

Gene: Roberts_55 Start: 34181, Stop: 33681, Start Num: 5
Candidate Starts for Roberts_55:
(1, 34292), (2, 34289), (Start: 5 @34181 has 10 MA's), (8, 34022), (10, 33959), (11, 33926), (16, 33698),

Gene: Studio_57 Start: 35396, Stop: 34896, Start Num: 5
Candidate Starts for Studio_57:
(Start: 5 @35396 has 10 MA's), (8, 35237), (10, 35174), (11, 35141), (16, 34913),

Gene: TMaxx_58 Start: 35765, Stop: 35166, Start Num: 3
Candidate Starts for TMaxx_58:
(Start: 3 @35765 has 1 MA's), (Start: 5 @35666 has 10 MA's), (7, 35513), (9, 35462), (12, 35402), (13, 35345), (16, 35183),

Gene: TripleC_56 Start: 37667, Stop: 37167, Start Num: 5
Candidate Starts for TripleC_56:
(Start: 5 @37667 has 10 MA's), (9, 37463), (13, 37346), (16, 37184),