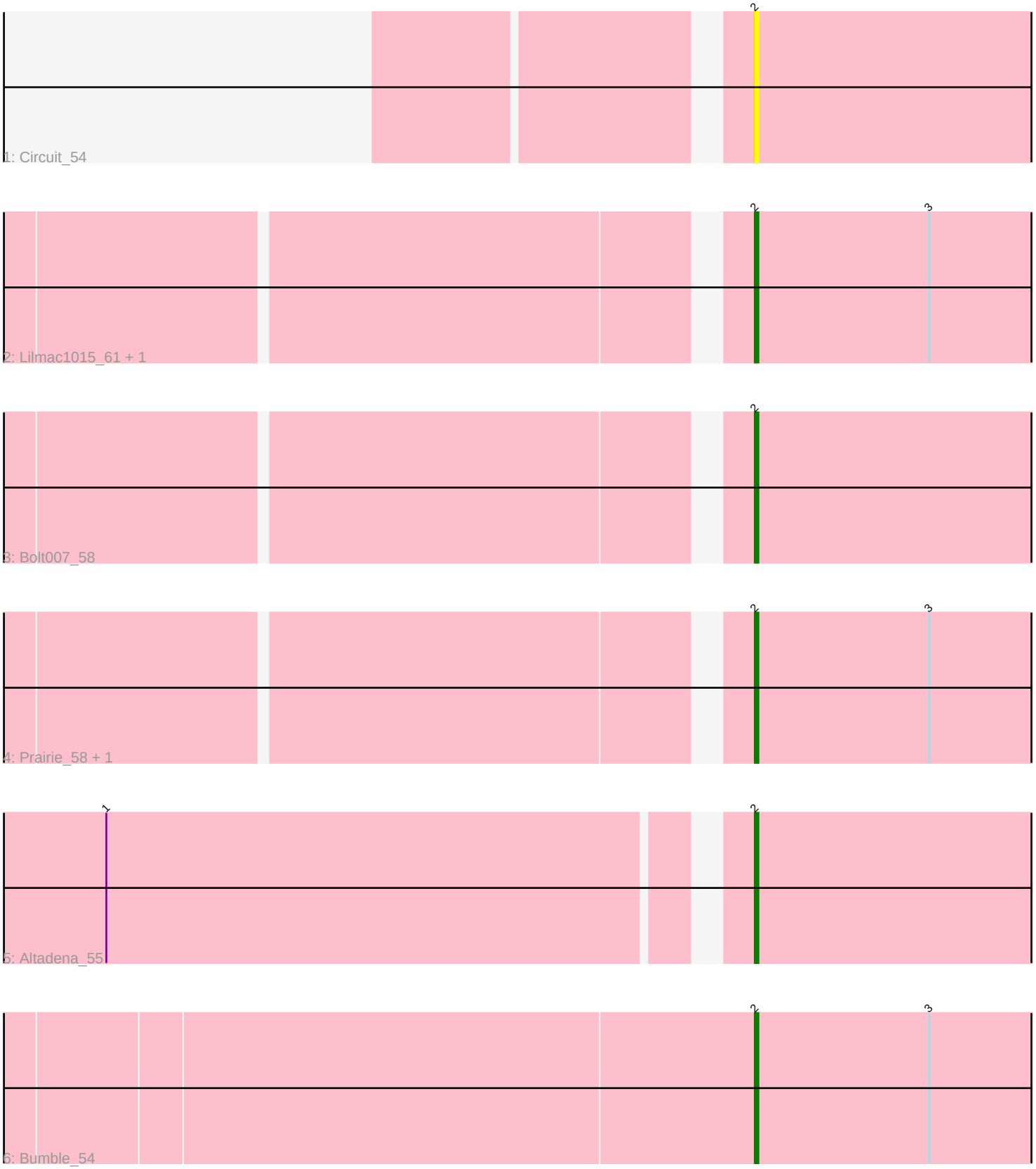
Pham 216842


2
1: Circuit_54
2
3
2: Lilmac1015_61 + 1
2
3: Bolt007_58
2
3
4: Prairie_58 + 1
1
2
5: Altadena_55
2
3
6: Bumble_54

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 216842 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216842 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Circuit_54
• Track 2 : Lilmac1015_61, CalWood4100_61
• Track 3 : Bolt007_58
• Track 4 : Prairie_58, Klevey_60
• Track 5 : Altadena_55
• Track 6 : Bumble_54

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altadena_55, Bolt007_58, Bumble_54, CalWood4100_61, Circuit_54, Klevey_60, Lilmac1015_61, Prairie_58,

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 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altadena_55 (FH), Bolt007_58 (FH), Bumble_54 (FH), CalWood4100_61 (FH), Circuit_54 (FH), Klevey_60 (FH), Lilmac1015_61 (FH), Prairie_58 (FH),

Summary by clusters:

There is one cluster represented in this pham: FH

Info for manual annotations of cluster FH:
•Start number 2 was manually annotated 6 times for cluster FH.

Gene Information:

Gene: Altadena_55 Start: 36572, Stop: 36724, Start Num: 2
Candidate Starts for Altadena_55:
(1, 36395), (Start: 2 @36572 has 6 MA's),

Gene: Bolt007_58 Start: 39345, Stop: 39497, Start Num: 2
Candidate Starts for Bolt007_58:
(Start: 2 @39345 has 6 MA's),

Gene: Bumble_54 Start: 37362, Stop: 37514, Start Num: 2
Candidate Starts for Bumble_54:
(Start: 2 @37362 has 6 MA's), (3, 37413),

Gene: CalWood4100_61 Start: 39241, Stop: 39393, Start Num: 2
Candidate Starts for CalWood4100_61:
(Start: 2 @39241 has 6 MA's), (3, 39292),

Gene: Circuit_54 Start: 38013, Stop: 38165, Start Num: 2
Candidate Starts for Circuit_54:
(Start: 2 @38013 has 6 MA's),

Gene: Klevey_60 Start: 39022, Stop: 39174, Start Num: 2
Candidate Starts for Klevey_60:
(Start: 2 @39022 has 6 MA's), (3, 39073),

Gene: Lilmac1015_61 Start: 39241, Stop: 39393, Start Num: 2
Candidate Starts for Lilmac1015_61:
(Start: 2 @39241 has 6 MA's), (3, 39292),

Gene: Prairie_58 Start: 38387, Stop: 38539, Start Num: 2
Candidate Starts for Prairie_58:
(Start: 2 @38387 has 6 MA's), (3, 38438),