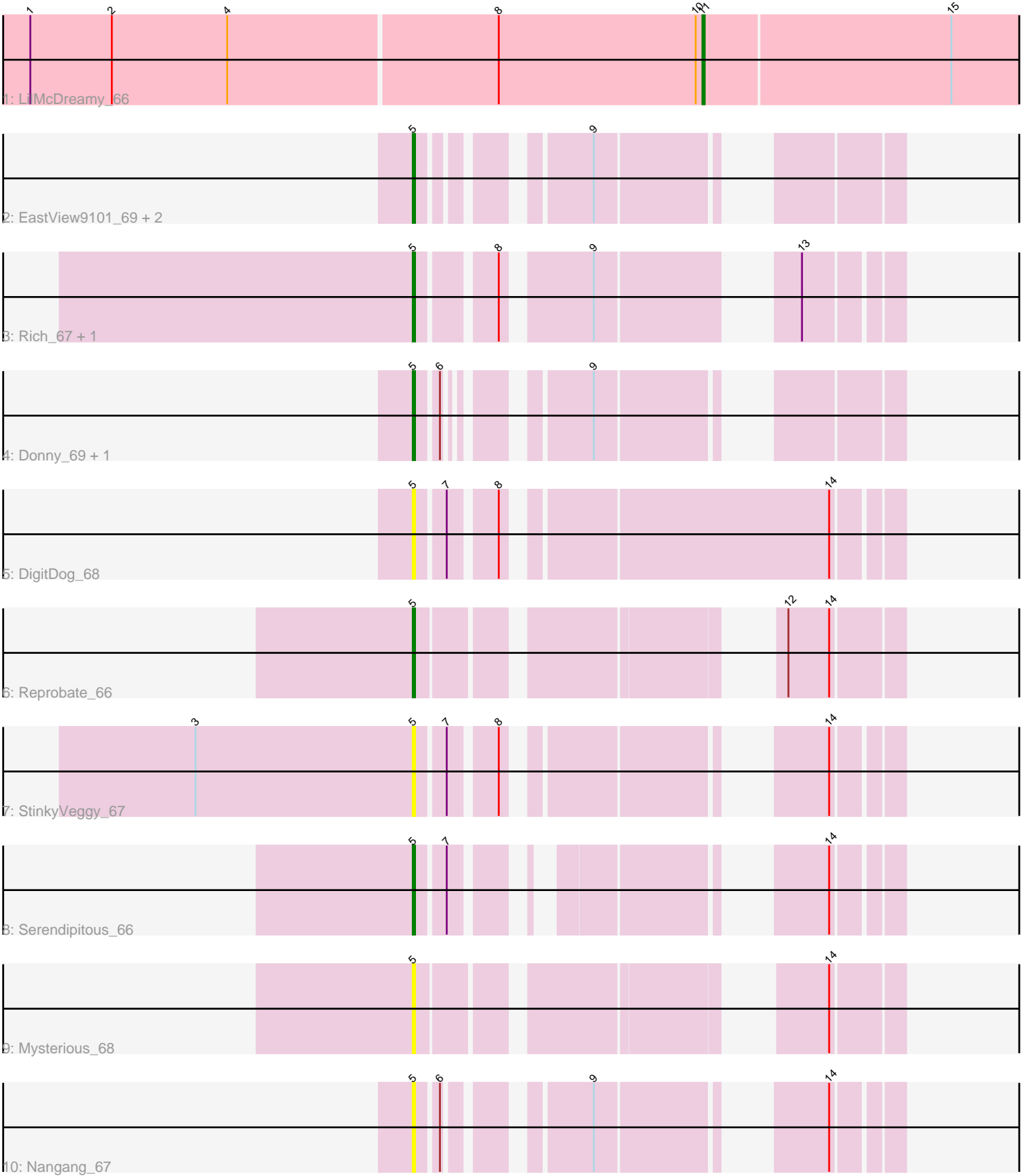# Pham 87260

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 87260 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87260 has 14 members, 6 are drafts.

Phages represented in each track:
• Track 1 : LilMcDreamy_66
• Track 2 : EastView9101_69, Acadian_68, SirJeffery_67
• Track 3 : Rich_67, Baee_68
• Track 4 : Donny_69, Suigeneris_69
• Track 5 : DigitDog_68
• Track 6 : Reprobate_66
• Track 7 : StinkyVeggy_67
• Track 8 : Serendipitous_66
• Track 9 : Mysterious_68
• Track 10 : Nangang_67

*** 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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acadian_68, Baee_68, DigitDog_68, Donny_69, EastView9101_69, Mysterious_68, Nangang_67, Reprobate_66, Rich_67, Serendipitous_66, SirJeffery_67, StinkyVeggy_67, Suigeneris_69,

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

Genes that do not have the "Most Annotated" start:
• LilMcDreamy_66,

Summary by start number:

Start 5:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Acadian_68 (B5), Baee_68 (B5), DigitDog_68 (B5), Donny_69 (B5), EastView9101_69 (B5), Mysterious_68 (B5), Nangang_67 (B5), Reprobate_66 (B5), Rich_67 (B5), Serendipitous_66 (B5), SirJeffery_67 (B5), StinkyVeggy_67 (B5), Suigeneris_69 (B5),

Start 11:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilMcDreamy_66 (B12),

Summary by clusters:

There are 2 clusters represented in this pham: B5, B12,

Info for manual annotations of cluster B12:
•Start number 11 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B5:
•Start number 5 was manually annotated 7 times for cluster B5.

Gene Information:
Gene: Acadian_68 Start: 58539, Stop: 58700, Start Num: 5
Candidate Starts for Acadian_68:
(Start: 5 @58539 has 7 MA's), (9, 58596),

Gene: Baee_68 Start: 59582, Stop: 59749, Start Num: 5
Candidate Starts for Baee_68:
(Start: 5 @59582 has 7 MA's), (8, 59612), (9, 59645), (13, 59711),

Gene: DigitDog_68 Start: 58646, Stop: 58834, Start Num: 5
Candidate Starts for DigitDog_68:
(Start: 5 @58646 has 7 MA's), (7, 58658), (8, 58676), (14, 58808),

Gene: Donny_69 Start: 58583, Stop: 58741, Start Num: 5
Candidate Starts for Donny_69:
(Start: 5 @58583 has 7 MA's), (6, 58592), (9, 58637),

Gene: EastView9101_69 Start: 58283, Stop: 58444, Start Num: 5
Candidate Starts for EastView9101_69:
(Start: 5 @58283 has 7 MA's), (9, 58340),

Gene: LilMcDreamy_66 Start: 58312, Stop: 58461, Start Num: 11
Candidate Starts for LilMcDreamy_66:
(1, 58018), (2, 58054), (4, 58105), (8, 58222), (10, 58309), (Start: 11 @58312 has 1 MA's), (15, 58420),

Gene: Mysterious_68 Start: 58590, Stop: 58760, Start Num: 5
Candidate Starts for Mysterious_68:
(Start: 5 @58590 has 7 MA's), (14, 58731),

Gene: Nangang_67 Start: 58672, Stop: 58830, Start Num: 5
Candidate Starts for Nangang_67:
(Start: 5 @58672 has 7 MA's), (6, 58681), (9, 58729), (14, 58804),

Gene: Reprobate_66 Start: 58427, Stop: 58597, Start Num: 5
Candidate Starts for Reprobate_66:
(Start: 5 @58427 has 7 MA's), (12, 58550), (14, 58568),

Gene: Rich_67 Start: 59642, Stop: 59809, Start Num: 5
Candidate Starts for Rich_67:
(Start: 5 @59642 has 7 MA's), (8, 59672), (9, 59705), (13, 59771),

Gene: Serendipitous_66 Start: 58023, Stop: 58175, Start Num: 5
Candidate Starts for Serendipitous_66:
(Start: 5 @58023 has 7 MA's), (7, 58035), (14, 58149),

Gene: SirJeffery_67 Start: 58616, Stop: 58777, Start Num: 5
Candidate Starts for SirJeffery_67:
(Start: 5 @58616 has 7 MA's), (9, 58673),

Gene: StinkyVeggy_67 Start: 58473, Stop: 58634, Start Num: 5
Candidate Starts for StinkyVeggy_67:
(3, 58377), (Start: 5 @58473 has 7 MA's), (7, 58485), (8, 58503), (14, 58608),

Gene: Suigeneris_69 Start: 58758, Stop: 58916, Start Num: 5
Candidate Starts for Suigeneris_69:
(Start: 5 @58758 has 7 MA's), (6, 58767), (9, 58812),