Pham 8554

1: EastView9101_86 + 4

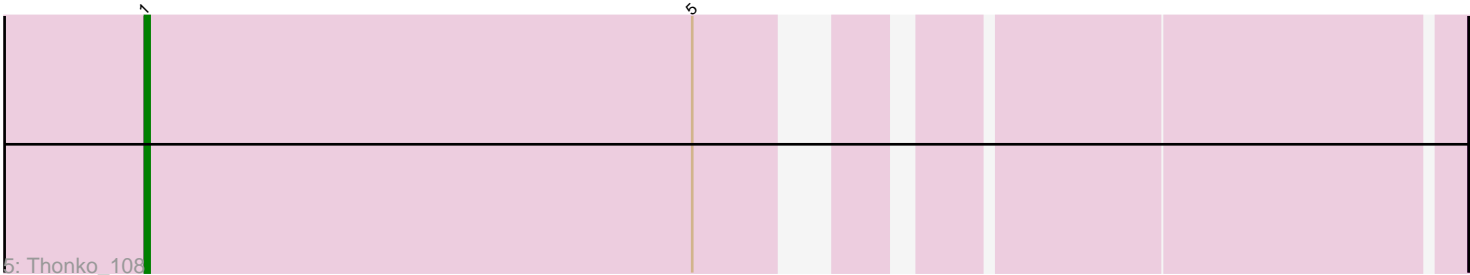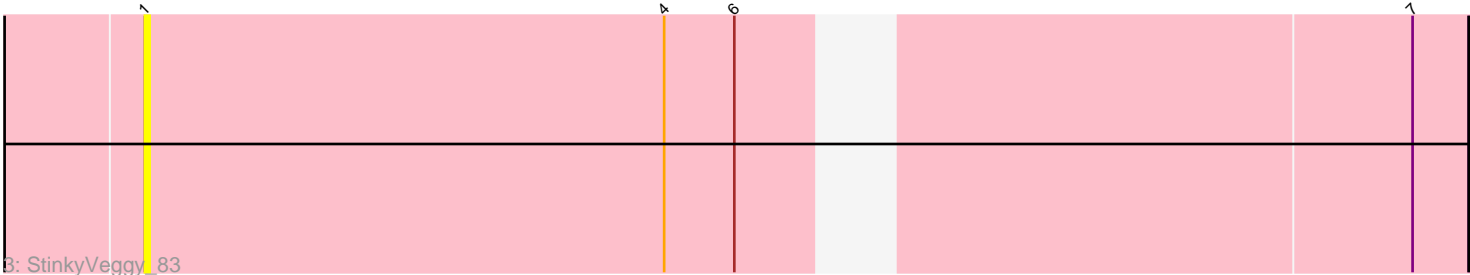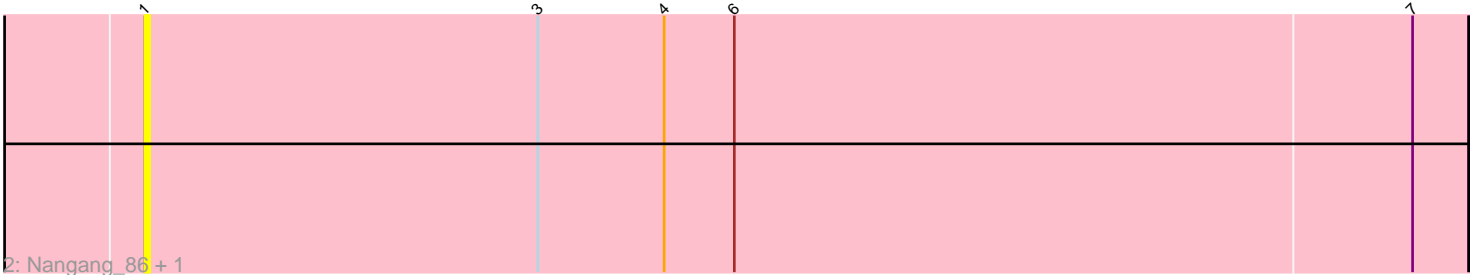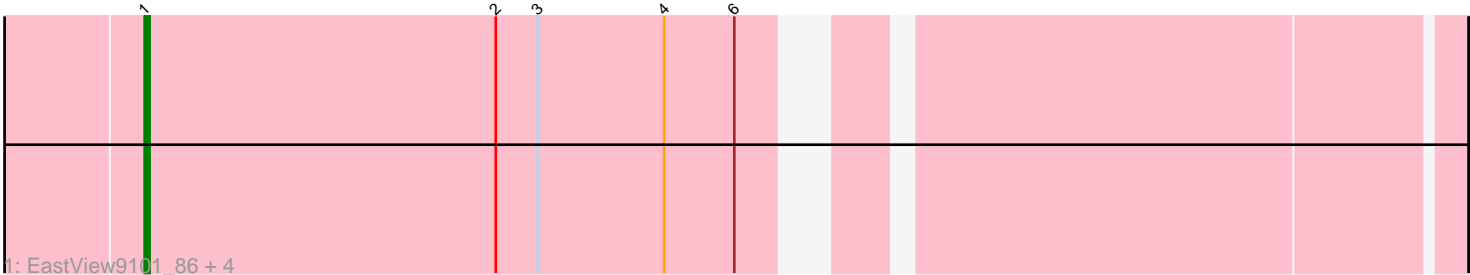2: Nangang_86 + 1

3: StinkyVeggy_83

4: Serendipitous_85

5: Thonko_108

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 8554 Report

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

Pham number 8554 has 10 members, 5 are drafts.

Phages represented in each track:
• Track 1 : EastView9101_86, Suigeneris_86, Donny_85, Acadian_85, SirJeffery_83
• Track 2 : Nangang_86, DigitDog_87
• Track 3 : StinkyVeggy_83
• Track 4 : Serendipitous_85
• Track 5 : Thonko_108

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acadian_85, DigitDog_87, Donny_85, EastView9101_86, Nangang_86, Serendipitous_85, SirJeffery_83, StinkyVeggy_83, Suigeneris_86, Thonko_108,

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 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acadian_85 (B5), DigitDog_87 (B5), Donny_85 (B5), EastView9101_86 (B5), Nangang_86 (B5), Serendipitous_85 (B5), SirJeffery_83 (B5), StinkyVeggy_83 (B5), Suigeneris_86 (B5), Thonko_108 (B8),

Summary by clusters:

There are 2 clusters represented in this pham: B5, B8,

Info for manual annotations of cluster B5:
•Start number 1 was manually annotated 4 times for cluster B5.

Info for manual annotations of cluster B8:
•Start number 1 was manually annotated 1 time for cluster B8.

Gene Information:

Gene: Acadian_85 Start: 64368, Stop: 64108, Start Num: 1
Candidate Starts for Acadian_85:
(Start: 1 @64368 has 5 MA's), (2, 64293), (3, 64284), (4, 64257), (6, 64242),

Gene: DigitDog_87 Start: 64871, Stop: 64608, Start Num: 1
Candidate Starts for DigitDog_87:
(Start: 1 @64871 has 5 MA's), (3, 64787), (4, 64760), (6, 64745), (7, 64619),

Gene: Donny_85 Start: 64202, Stop: 63945, Start Num: 1
Candidate Starts for Donny_85:
(Start: 1 @64202 has 5 MA's), (2, 64127), (3, 64118), (4, 64091), (6, 64076),

Gene: EastView9101_86 Start: 64113, Stop: 63853, Start Num: 1
Candidate Starts for EastView9101_86:
(Start: 1 @64113 has 5 MA's), (2, 64038), (3, 64029), (4, 64002), (6, 63987),

Gene: Nangang_86 Start: 64872, Stop: 64591, Start Num: 1
Candidate Starts for Nangang_86:
(Start: 1 @64872 has 5 MA's), (3, 64788), (4, 64761), (6, 64746), (7, 64602),

Gene: Serendipitous_85 Start: 64217, Stop: 63939, Start Num: 1
Candidate Starts for Serendipitous_85:
(Start: 1 @64217 has 5 MA's), (2, 64142), (3, 64133), (4, 64106),

Gene: SirJeffery_83 Start: 64152, Stop: 63892, Start Num: 1
Candidate Starts for SirJeffery_83:
(Start: 1 @64152 has 5 MA's), (2, 64077), (3, 64068), (4, 64041), (6, 64026),

Gene: StinkyVeggy_83 Start: 64269, Stop: 64006, Start Num: 1
Candidate Starts for StinkyVeggy_83:
(Start: 1 @64269 has 5 MA's), (4, 64158), (6, 64143), (7, 64017),

Gene: Suigeneris_86 Start: 64590, Stop: 64333, Start Num: 1
Candidate Starts for Suigeneris_86:
(Start: 1 @64590 has 5 MA's), (2, 64515), (3, 64506), (4, 64479), (6, 64464),

Gene: Thonko_108 Start: 69372, Stop: 69115, Start Num: 1
Candidate Starts for Thonko_108:
(Start: 1 @69372 has 5 MA's), (5, 69255),