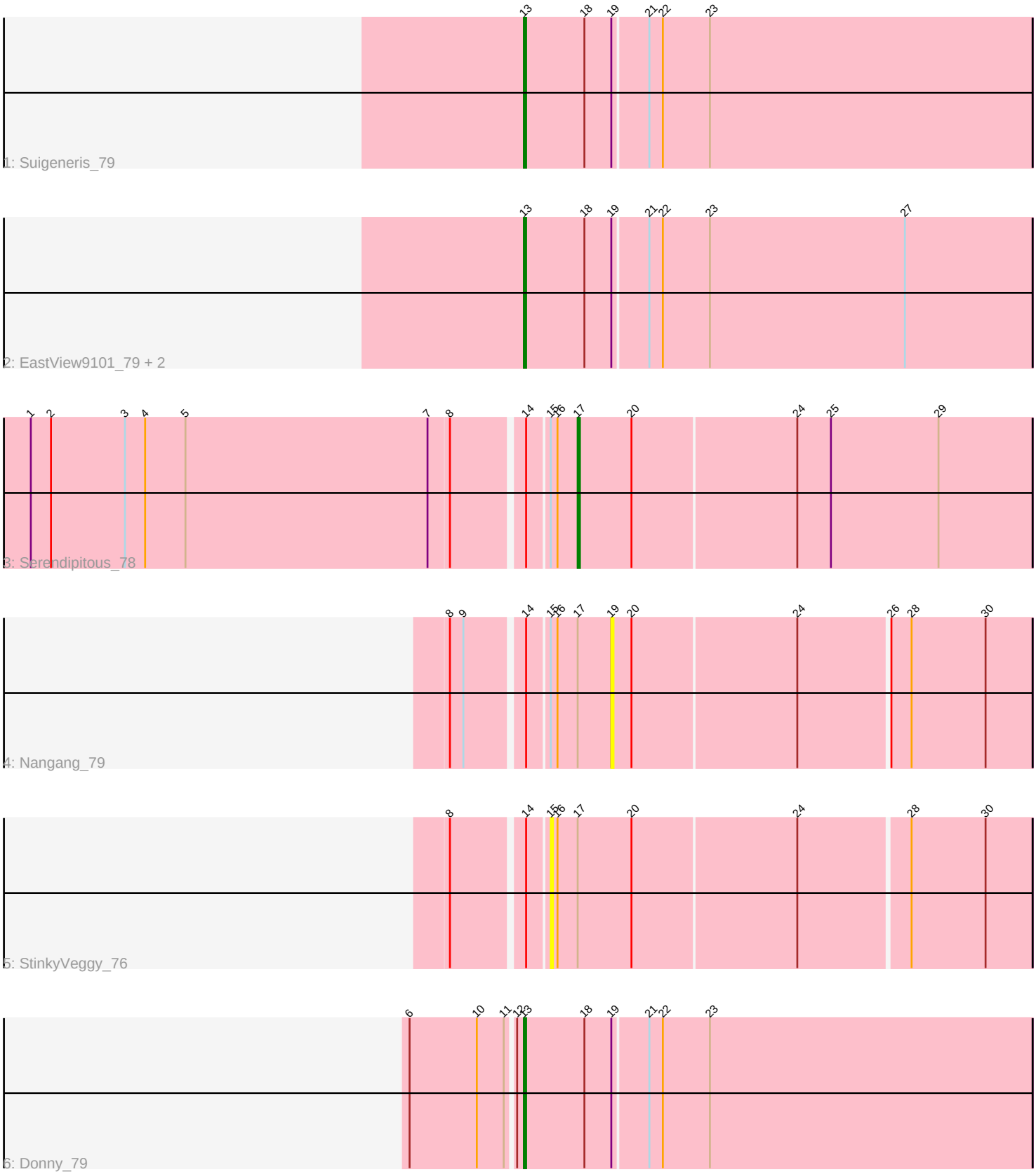
Pham 88321


13
18
19
21
22
23
1: Suigeneris_79
13
18
19
21
22
23
27
2: EastView9101_79 + 2
1
2
3
4
5
7
8
14
15
16
17
20
24
25
29
3: Serendipitous_78
8
9
14
15
16
17
19
20
24
26
28
30
4: Nangang_79
8
14
15
16
17
20
24
28
30
5: StinkyVeggy_76
6
10
11
12
13
18
19
21
22
23
6: Donny_79

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 88321 Report

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

Pham number 88321 has 8 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Suigeneris_79
• Track 2 : EastView9101_79, Acadian_78, SirJeffery_76
• Track 3 : Serendipitous_78
• Track 4 : Nangang_79
• Track 5 : StinkyVeggy_76
• Track 6 : Donny_79

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

The start number called the most often in the published annotations is 13, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acadian_78, Donny_79, EastView9101_79, SirJeffery_76, Suigeneris_79,

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

Genes that do not have the "Most Annotated" start:
• Nangang_79, Serendipitous_78, StinkyVeggy_76,

Summary by start number:

Start 13:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acadian_78 (B5), Donny_79 (B5), EastView9101_79 (B5), SirJeffery_76 (B5), Suigeneris_79 (B5),

Start 15:
• Found in 3 of 8 (37.5%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present

• Phage (with cluster) where this start called: StinkyVeggy_76 (B5),

Start 17:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Serendipitous_78 (B5),

Start 19:
• Found in 6 of 8 (75.0%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Nangang_79 (B5),

Summary by clusters:

There is one cluster represented in this pham: B5

Info for manual annotations of cluster B5:
•Start number 13 was manually annotated 3 times for cluster B5.
•Start number 17 was manually annotated 1 time for cluster B5.

Gene Information:

Gene: Acadian_78 Start: 62495, Stop: 62271, Start Num: 13
Candidate Starts for Acadian_78:
(Start: 13 @62495 has 3 MA's), (18, 62468), (19, 62456), (21, 62441), (22, 62435), (23, 62414), (27, 62327),

Gene: Donny_79 Start: 62535, Stop: 62311, Start Num: 13
Candidate Starts for Donny_79:
(6, 62583), (10, 62553), (11, 62541), (12, 62538), (Start: 13 @62535 has 3 MA's), (18, 62508), (19, 62496), (21, 62481), (22, 62475), (23, 62454),

Gene: EastView9101_79 Start: 62239, Stop: 62015, Start Num: 13
Candidate Starts for EastView9101_79:
(Start: 13 @62239 has 3 MA's), (18, 62212), (19, 62200), (21, 62185), (22, 62179), (23, 62158), (27, 62071),

Gene: Nangang_79 Start: 63008, Stop: 62826, Start Num: 19
Candidate Starts for Nangang_79:
(8, 63074), (9, 63068), (14, 63044), (15, 63035), (16, 63032), (Start: 17 @63023 has 1 MA's), (19, 63008), (20, 62999), (24, 62927), (26, 62888), (28, 62879), (30, 62846),

Gene: Serendipitous_78 Start: 62382, Stop: 62182, Start Num: 17
Candidate Starts for Serendipitous_78:
(1, 62619), (2, 62610), (3, 62577), (4, 62568), (5, 62550), (7, 62442), (8, 62433), (14, 62403), (15, 62394), (16, 62391), (Start: 17 @62382 has 1 MA's), (20, 62358), (24, 62286), (25, 62271), (29, 62223),

Gene: SirJeffery_76 Start: 62279, Stop: 62055, Start Num: 13

Candidate Starts for SirJeffery_76:
(Start: 13 @62279 has 3 MA's), (18, 62252), (19, 62240), (21, 62225), (22, 62219), (23, 62198), (27, 62111),

Gene: StinkyVeggy_76 Start: 62344, Stop: 62135, Start Num: 15
Candidate Starts for StinkyVeggy_76:
(8, 62383), (14, 62353), (15, 62344), (16, 62341), (Start: 17 @62332 has 1 MA's), (20, 62308), (24, 62236), (28, 62188), (30, 62155),

Gene: Suigeneris_79 Start: 62717, Stop: 62493, Start Num: 13
Candidate Starts for Suigeneris_79:
(Start: 13 @62717 has 3 MA's), (18, 62690), (19, 62678), (21, 62663), (22, 62657), (23, 62636),