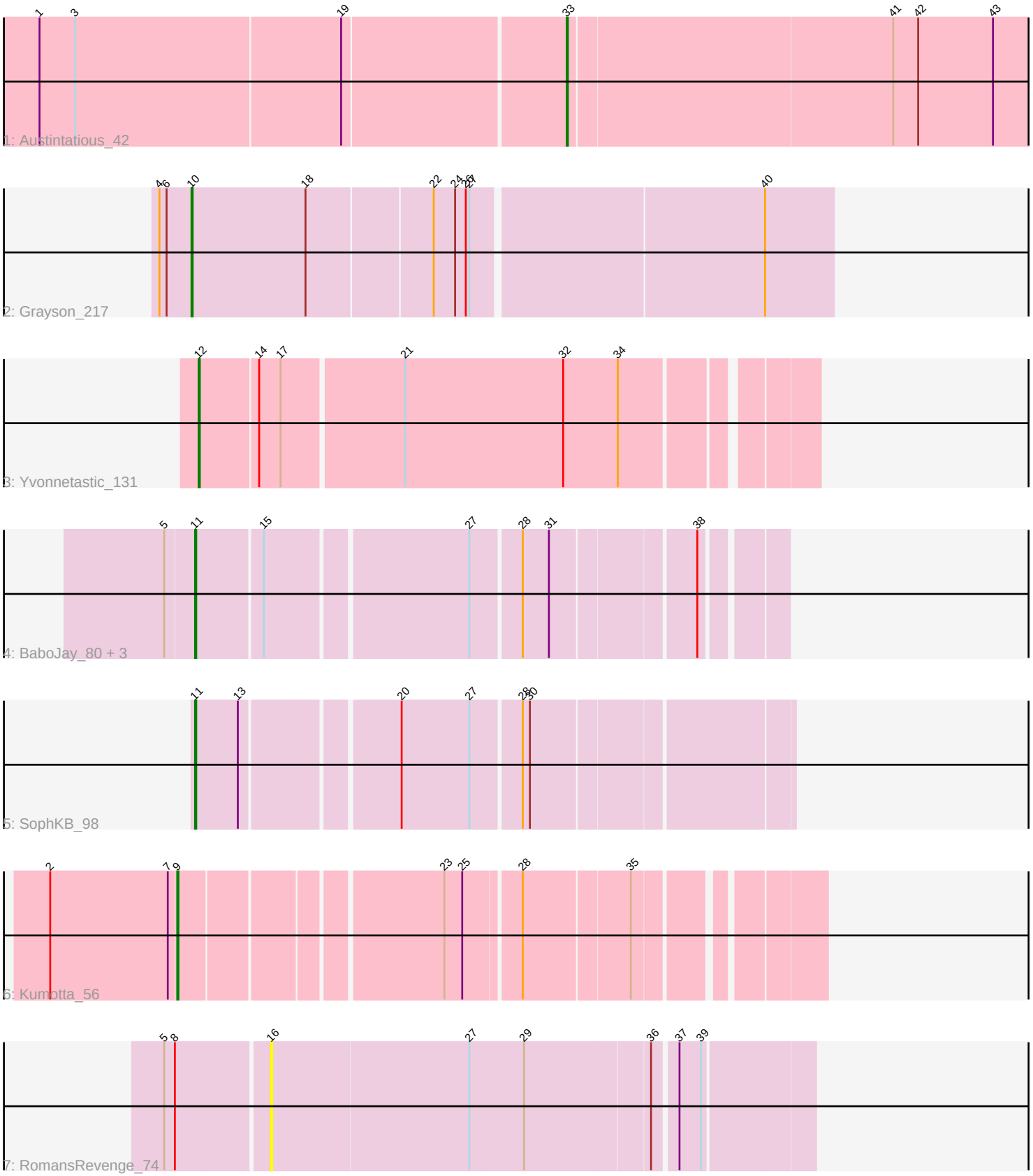
Pham 197068


1
3
19
33
41
42
43
1: Austintatious_42
4
6
10
18
22
24
25
27
40
2: Grayson_217
12
14
17
21
32
34
3: Yvonnetastic_131
5
11
15
27
28
31
38
4: BaboJay_80 + 3
11
13
20
27
28
30
5: SophKB_98
2
7
9
23
25
28
35
6: Kumotta_56
5
8
16
27
29
36
37
39
7: RomansRevenge_74

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 197068 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197068 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Austintatious_42
• Track 2 : Grayson_217
• Track 3 : Yvonnetastic_131
• Track 4 : BaboJay_80, Goku_81, Manda_84, Eureka_81
• Track 5 : SophKB_98
• Track 6 : Kumotta_56
• Track 7 : RomansRevenge_74

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BaboJay_80, Eureka_81, Goku_81, Manda_84, SophKB_98,

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

Genes that do not have the "Most Annotated" start:
• Austintatious_42, Grayson_217, Kumotta_56, RomansRevenge_74, Yvonnetastic_131,

Summary by start number:

Start 9:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumotta_56 (FB),

Start 10:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Grayson_217 (CB),

Start 11:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaboJay_80 (E), Eureka_81 (E), Goku_81 (E), Manda_84 (E), SophKB_98 (E),

Start 12:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yvonnetastic_131 (DD),

Start 16:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RomansRevenge_74 (singleton),

Start 33:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Austintatious_42 (BC3),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, E, CB, DD, FB, BC3,

Info for manual annotations of cluster BC3:
•Start number 33 was manually annotated 1 time for cluster BC3.

Info for manual annotations of cluster CB:
•Start number 10 was manually annotated 1 time for cluster CB.

Info for manual annotations of cluster DD:
•Start number 12 was manually annotated 1 time for cluster DD.

Info for manual annotations of cluster E:
•Start number 11 was manually annotated 5 times for cluster E.

Info for manual annotations of cluster FB:
•Start number 9 was manually annotated 1 time for cluster FB.

Gene Information:

Gene: Austintatious_42 Start: 27716, Stop: 28177, Start Num: 33
Candidate Starts for Austintatious_42:

(1, 27290), (3, 27320), (19, 27539), (Start: 33 @27716 has 1 MA's), (41, 27980), (42, 28001), (43, 28064),

Gene: BaboJay_80 Start: 51126, Stop: 51572, Start Num: 11
Candidate Starts for BaboJay_80:
(5, 51102), (Start: 11 @51126 has 5 MA's), (15, 51180), (27, 51339), (28, 51378), (31, 51399), (38, 51510),

Gene: Eureka_81 Start: 51417, Stop: 51863, Start Num: 11
Candidate Starts for Eureka_81:
(5, 51393), (Start: 11 @51417 has 5 MA's), (15, 51471), (27, 51630), (28, 51669), (31, 51690), (38, 51801),

Gene: Goku_81 Start: 51146, Stop: 51592, Start Num: 11
Candidate Starts for Goku_81:
(5, 51122), (Start: 11 @51146 has 5 MA's), (15, 51200), (27, 51359), (28, 51398), (31, 51419), (38, 51530),

Gene: Grayson_217 Start: 108140, Stop: 108661, Start Num: 10
Candidate Starts for Grayson_217:
(4, 108113), (6, 108119), (Start: 10 @108140 has 1 MA's), (18, 108236), (22, 108338), (24, 108356), (26, 108365), (27, 108368), (40, 108605),

Gene: Kumotta_56 Start: 32485, Stop: 32964, Start Num: 9
Candidate Starts for Kumotta_56:
(2, 32380), (7, 32479), (Start: 9 @32485 has 1 MA's), (23, 32686), (25, 32701), (28, 32743), (35, 32827),

Gene: Manda_84 Start: 52535, Stop: 52981, Start Num: 11
Candidate Starts for Manda_84:
(5, 52511), (Start: 11 @52535 has 5 MA's), (15, 52589), (27, 52748), (28, 52787), (31, 52808), (38, 52919),

Gene: RomansRevenge_74 Start: 50908, Stop: 50471, Start Num: 16
Candidate Starts for RomansRevenge_74:
(5, 50992), (8, 50983), (16, 50908), (27, 50743), (29, 50698), (36, 50596), (37, 50578), (39, 50560),

Gene: SophKB_98 Start: 59438, Stop: 59899, Start Num: 11
Candidate Starts for SophKB_98:
(Start: 11 @59438 has 5 MA's), (13, 59474), (20, 59594), (27, 59651), (28, 59690), (30, 59696),

Gene: Yvonnetastic_131 Start: 74014, Stop: 74502, Start Num: 12
Candidate Starts for Yvonnetastic_131:
(Start: 12 @74014 has 1 MA's), (14, 74062), (17, 74080), (21, 74179), (32, 74311), (34, 74356),