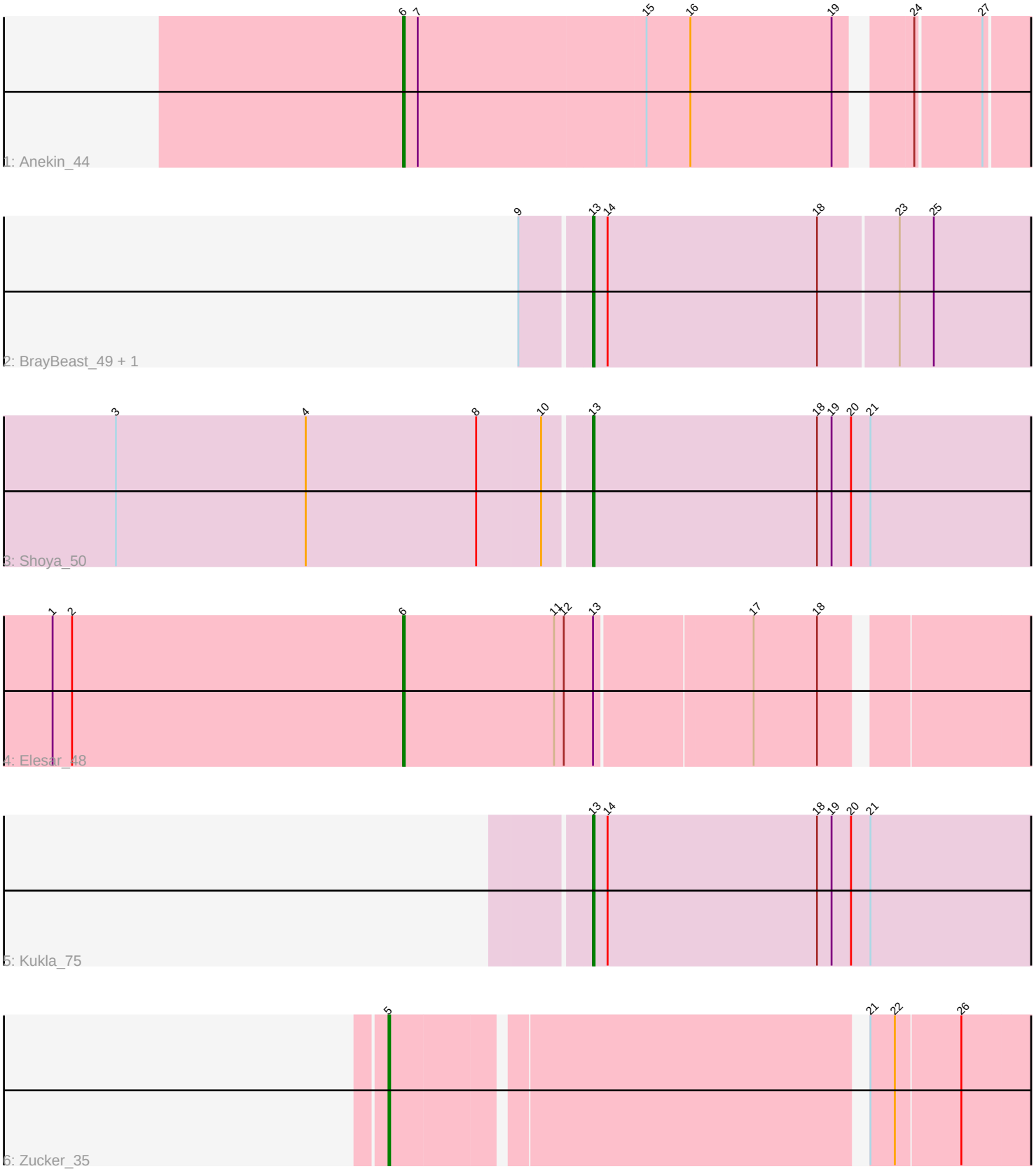
Pham 197141


6
7
15
16
19
24
27
1: Anekin_44
9
13
14
18
23
25
2: BrayBeast_49 + 1
3
4
8
10
13
18
19
20
21
3: Shoya_50
1
2
6
11
12
13
17
18
4: Elesar_48
13
14
18
19
20
21
5: Kukla_75
5
21
22
26
6: Zucker_35

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 197141 Report

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

Pham number 197141 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Anekin_44
• Track 2 : BrayBeast_49, Raqqa_60
• Track 3 : Shoya_50
• Track 4 : Elesar_48
• Track 5 : Kukla_75
• Track 6 : Zucker_35

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BrayBeast_49, Kukla_75, Raqqa_60, Shoya_50,

Genes that have the "Most Annotated" start but do not call it:
• Elesar_48,

Genes that do not have the "Most Annotated" start:
• Anekin_44, Zucker_35,

Summary by start number:

Start 5:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zucker_35 (FN),

Start 6:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anekin_44 (AY), Elesar_48 (FF),

Start 13:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 80.0% of time when present
• Phage (with cluster) where this start called: BrayBeast_49 (FB), Kukla_75 (FJ), Raqqa_60 (AY), Shoya_50 (FB),

Summary by clusters:

There are 5 clusters represented in this pham: AY, FJ, FB, FN, FF,

Info for manual annotations of cluster AY:
•Start number 6 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FB:
•Start number 13 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FF:
•Start number 6 was manually annotated 1 time for cluster FF.

Info for manual annotations of cluster FJ:
•Start number 13 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster FN:
•Start number 5 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: Anekin_44 Start: 29811, Stop: 30191, Start Num: 6
Candidate Starts for Anekin_44:
(Start: 6 @29811 has 2 MA's), (7, 29820), (15, 29958), (16, 29985), (19, 30072), (24, 30108), (27, 30147),

Gene: BrayBeast_49 Start: 28984, Stop: 29268, Start Num: 13
Candidate Starts for BrayBeast_49:
(9, 28945), (Start: 13 @28984 has 3 MA's), (14, 28993), (18, 29122), (23, 29170), (25, 29191),

Gene: Elesar_48 Start: 36967, Stop: 37350, Start Num: 6
Candidate Starts for Elesar_48:
(1, 36751), (2, 36763), (Start: 6 @36967 has 2 MA's), (11, 37060), (12, 37066), (Start: 13 @37084 has 3 MA's), (17, 37177), (18, 37216),

Gene: Kukla_75 Start: 42658, Stop: 42945, Start Num: 13
Candidate Starts for Kukla_75:
(Start: 13 @42658 has 3 MA's), (14, 42667), (18, 42796), (19, 42805), (20, 42817), (21, 42829),

Gene: Raqqa_60 Start: 33013, Stop: 33297, Start Num: 13
Candidate Starts for Raqqa_60:
(9, 32974), (Start: 13 @33013 has 3 MA's), (14, 33022), (18, 33151), (23, 33199), (25, 33220),

Gene: Shoya_50 Start: 29154, Stop: 29441, Start Num: 13
Candidate Starts for Shoya_50:
(3, 28866), (4, 28983), (8, 29088), (10, 29127), (Start: 13 @29154 has 3 MA's), (18, 29292), (19, 29301), (20, 29313), (21, 29325),

Gene: Zucker_35 Start: 27460, Stop: 27846, Start Num: 5
Candidate Starts for Zucker_35:
(Start: 5 @27460 has 1 MA's), (21, 27733), (22, 27748), (26, 27787),