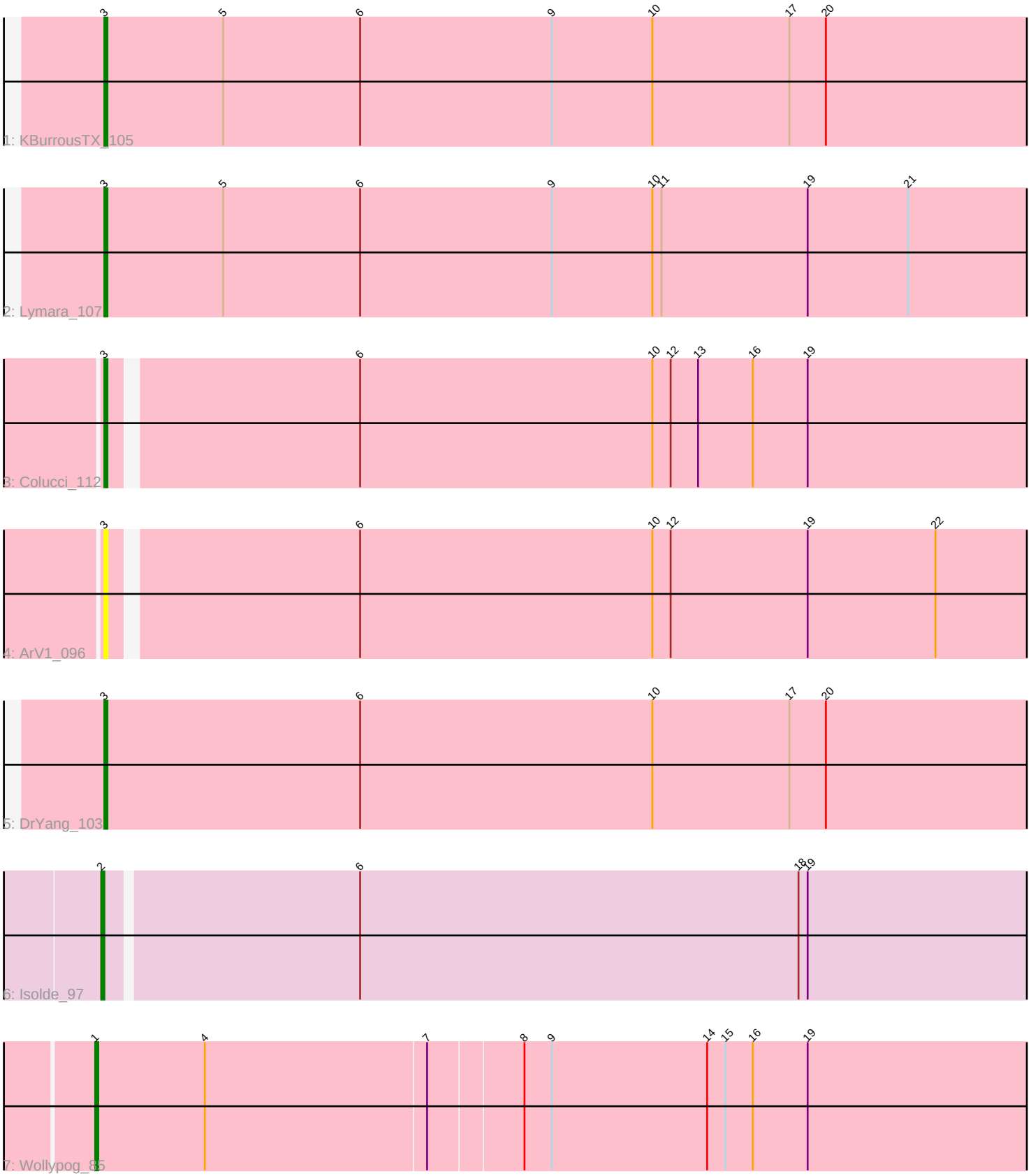
Pham 7037


3
5
6
9
10
17
20
1: KBurrousTX_105
3
5
6
9
10
11
19
21
2: Lymara_107
3
6
10
12
13
16
19
3: Colucci_112
3
6
10
12
19
22
4: ArV1_096
3
6
10
17
20
5: DrYang_103
2
6
18
19
6: Isolde_97
1
4
7
8
9
14
15
16
19
7: Wollypog_85

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 7037 Report

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

Pham number 7037 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : KBurrousTX_105
• Track 2 : Lymara_107
• Track 3 : Colucci_112
• Track 4 : ArV1_096
• Track 5 : DrYang_103
• Track 6 : Isolde_97
• Track 7 : Wollypog_85

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArV1_096, Colucci_112, DrYang_103, KBurrousTX_105, Lymara_107,

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

Genes that do not have the "Most Annotated" start:
• Isolde_97, Wollypog_85,

Summary by start number:

Start 1:
• 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: Wollypog_85 (singleton),

Start 2:
• 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: Isolde_97 (AY),

Start 3:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArV1_096 (AR), Colucci_112 (AR), DrYang_103 (AR), KBurrousTX_105 (AR), Lymara_107 (AR),

Summary by clusters:

There are 3 clusters represented in this pham: AY, singleton, AR,

Info for manual annotations of cluster AR:
•Start number 3 was manually annotated 4 times for cluster AR.

Info for manual annotations of cluster AY:
•Start number 2 was manually annotated 1 time for cluster AY.

Gene Information:

Gene: ArV1_096 Start: 68521, Stop: 68817, Start Num: 3
Candidate Starts for ArV1_096:
(Start: 3 @68521 has 4 MA's), (6, 68599), (10, 68695), (12, 68701), (19, 68746), (22, 68788),

Gene: Colucci_112 Start: 69441, Stop: 69737, Start Num: 3
Candidate Starts for Colucci_112:
(Start: 3 @69441 has 4 MA's), (6, 69519), (10, 69615), (12, 69621), (13, 69630), (16, 69648), (19, 69666),

Gene: DrYang_103 Start: 67786, Stop: 68094, Start Num: 3
Candidate Starts for DrYang_103:
(Start: 3 @67786 has 4 MA's), (6, 67870), (10, 67966), (17, 68011), (20, 68023),

Gene: Isolde_97 Start: 52510, Stop: 52809, Start Num: 2
Candidate Starts for Isolde_97:
(Start: 2 @52510 has 1 MA's), (6, 52591), (18, 52735), (19, 52738),

Gene: KBurrousTX_105 Start: 69717, Stop: 70025, Start Num: 3
Candidate Starts for KBurrousTX_105:
(Start: 3 @69717 has 4 MA's), (5, 69756), (6, 69801), (9, 69864), (10, 69897), (17, 69942), (20, 69954),

Gene: Lymara_107 Start: 67501, Stop: 67809, Start Num: 3
Candidate Starts for Lymara_107:
(Start: 3 @67501 has 4 MA's), (5, 67540), (6, 67585), (9, 67648), (10, 67681), (11, 67684), (19, 67732), (21, 67765),

Gene: Wollypog_85 Start: 57428, Stop: 57730, Start Num: 1
Candidate Starts for Wollypog_85:

(Start: 1 @57428 has 1 MA's), (4, 57464), (7, 57536), (8, 57566), (9, 57575), (14, 57626), (15, 57632), (16, 57641), (19, 57659),