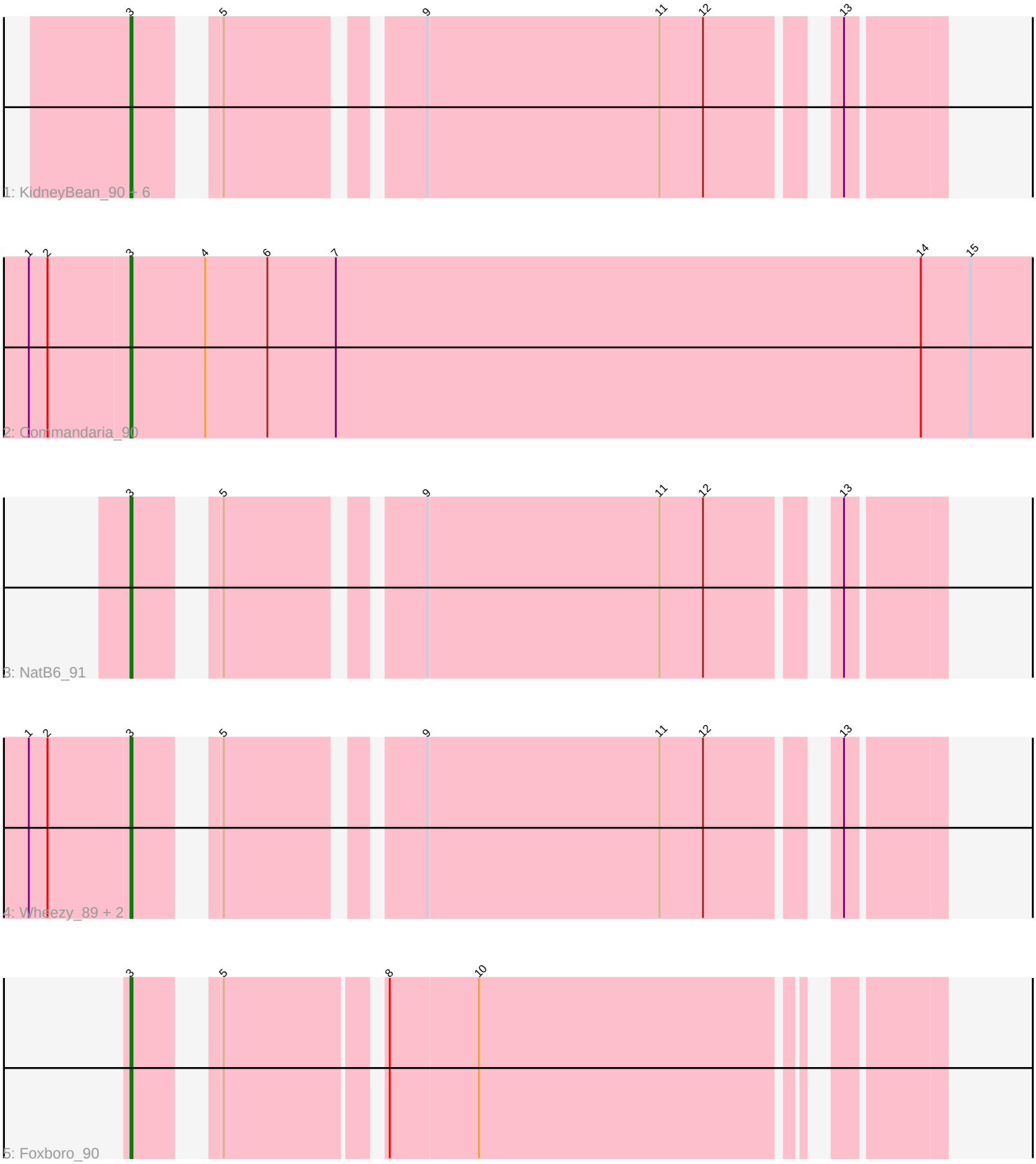
Pham 5001


3
5
9
11
12
13
1: KidneyBean_90 + 6
1
2
3
4
6
7
14
15
2: Commandaria_90
3
5
9
11
12
13
3: NatB6_91
1
2
3
5
9
11
12
13
4: Wheezy_89 + 2
3
5
8
10
5: Foxboro_90

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 5001 Report

This analysis was run 04/12/24 on database version 558.

Pham number 5001 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : KidneyBean_90, Jifall16_90, NovumRegina_90, GrootJr_92, Phomeo_90, Arti_88, Tracker_90
• Track 2 : Commandaria_90
• Track 3 : NatB6_91
• Track 4 : Wheezy_89, Emianna_92, Kurt_92
• Track 5 : Foxboro_90

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arti_88, Commandaria_90, Emianna_92, Foxboro_90, GrootJr_92, Jifall16_90, KidneyBean_90, Kurt_92, NatB6_91, NovumRegina_90, Phomeo_90, Tracker_90, Wheezy_89,

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 3:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arti_88 (CR2), Commandaria_90 (CR2), Emianna_92 (CR2), Foxboro_90 (CR2), GrootJr_92 (CR2), Jifall16_90 (CR2), KidneyBean_90 (CR2), Kurt_92 (CR2), NatB6_91 (CR2), NovumRegina_90 (CR2), Phomeo_90 (CR2), Tracker_90 (CR2), Wheezy_89 (CR2),

Summary by clusters:

There is one cluster represented in this pham: CR2

Info for manual annotations of cluster CR2:
•Start number 3 was manually annotated 12 times for cluster CR2.

Gene Information:

Gene: Arti_88 Start: 64784, Stop: 65119, Start Num: 3
Candidate Starts for Arti_88:
(Start: 3 @64784 has 12 MA's), (5, 64811), (9, 64892), (11, 65003), (12, 65024), (13, 65075),

Gene: Commandaria_90 Start: 65652, Stop: 66104, Start Num: 3
Candidate Starts for Commandaria_90:
(1, 65604), (2, 65613), (Start: 3 @65652 has 12 MA's), (4, 65688), (6, 65718), (7, 65751), (14, 66033), (15, 66057),

Gene: Emianna_92 Start: 66479, Stop: 66814, Start Num: 3
Candidate Starts for Emianna_92:
(1, 66431), (2, 66440), (Start: 3 @66479 has 12 MA's), (5, 66506), (9, 66587), (11, 66698), (12, 66719), (13, 66770),

Gene: Foxboro_90 Start: 66099, Stop: 66437, Start Num: 3
Candidate Starts for Foxboro_90:
(Start: 3 @66099 has 12 MA's), (5, 66126), (8, 66195), (10, 66237),

Gene: GrootJr_92 Start: 65497, Stop: 65832, Start Num: 3
Candidate Starts for GrootJr_92:
(Start: 3 @65497 has 12 MA's), (5, 65524), (9, 65605), (11, 65716), (12, 65737), (13, 65788),

Gene: Jifall16_90 Start: 65746, Stop: 66081, Start Num: 3
Candidate Starts for Jifall16_90:
(Start: 3 @65746 has 12 MA's), (5, 65773), (9, 65854), (11, 65965), (12, 65986), (13, 66037),

Gene: KidneyBean_90 Start: 66077, Stop: 66412, Start Num: 3
Candidate Starts for KidneyBean_90:
(Start: 3 @66077 has 12 MA's), (5, 66104), (9, 66185), (11, 66296), (12, 66317), (13, 66368),

Gene: Kurt_92 Start: 66494, Stop: 66829, Start Num: 3
Candidate Starts for Kurt_92:
(1, 66446), (2, 66455), (Start: 3 @66494 has 12 MA's), (5, 66521), (9, 66602), (11, 66713), (12, 66734), (13, 66785),

Gene: NatB6_91 Start: 65365, Stop: 65700, Start Num: 3
Candidate Starts for NatB6_91:
(Start: 3 @65365 has 12 MA's), (5, 65392), (9, 65473), (11, 65584), (12, 65605), (13, 65656),

Gene: NovumRegina_90 Start: 65496, Stop: 65831, Start Num: 3
Candidate Starts for NovumRegina_90:
(Start: 3 @65496 has 12 MA's), (5, 65523), (9, 65604), (11, 65715), (12, 65736), (13, 65787),

Gene: Phomeo_90 Start: 65747, Stop: 66082, Start Num: 3
Candidate Starts for Phomeo_90:
(Start: 3 @65747 has 12 MA's), (5, 65774), (9, 65855), (11, 65966), (12, 65987), (13, 66038),

Gene: Tracker_90 Start: 64922, Stop: 65257, Start Num: 3
Candidate Starts for Tracker_90:
(Start: 3 @64922 has 12 MA's), (5, 64949), (9, 65030), (11, 65141), (12, 65162), (13, 65213),

Gene: Wheezy_89 Start: 65310, Stop: 65645, Start Num: 3
Candidate Starts for Wheezy_89:
(1, 65262), (2, 65271), (Start: 3 @65310 has 12 MA's), (5, 65337), (9, 65418), (11, 65529), (12, 65550), (13, 65601),