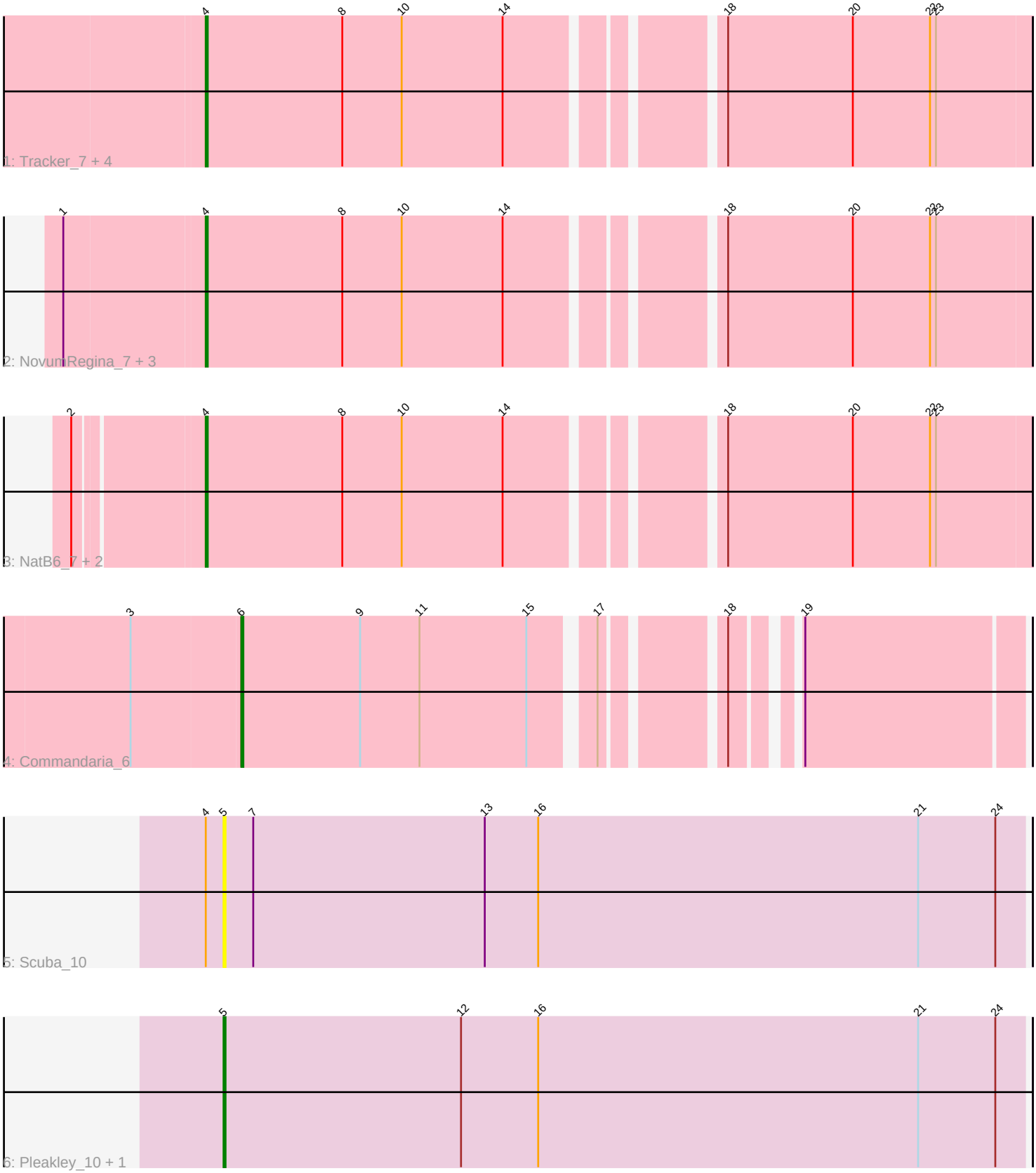
Pham 214743


4
8
10
14
18
20
22
23
1: Tracker_7 + 4
1
4
8
10
14
18
20
22
23
2: NovumRegina_7 + 3
2
4
8
10
14
18
20
22
23
3: NatB6_7 + 2
3
6
9
11
15
17
18
19
4: Commandaria_6
4
5
7
13
16
21
24
5: Scuba_10
5
12
16
21
24
6: Pleakley_10 + 1

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 214743 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214743 has 16 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Tracker_7, Emianna_7, Foxboro_7, KidneyBean_7, Kurt_7
• Track 2 : NovumRegina_7, GrootJr_9, Wheezy_7, Arti_7
• Track 3 : NatB6_7, Jifall16_6, Phomeo_6
• Track 4 : Commandaria_6
• Track 5 : Scuba_10
• Track 6 : Pleakley_10, Fury_10

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

The start number called the most often in the published annotations is 4, it was called in 11 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arti_7, Emianna_7, Foxboro_7, GrootJr_9, Jifall16_6, KidneyBean_7, Kurt_7, NatB6_7, NovumRegina_7, Phomeo_6, Tracker_7, Wheezy_7,

Genes that have the "Most Annotated" start but do not call it:
• Scuba_10,

Genes that do not have the "Most Annotated" start:
• Commandaria_6, Fury_10, Pleakley_10,

Summary by start number:

Start 4:
• Found in 13 of 16 (81.2%) of genes in pham
• Manual Annotations of this start: 11 of 14
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Arti_7 (CR2), Emianna_7 (CR2), Foxboro_7 (CR2), GrootJr_9 (CR2), Jifall16_6 (CR2), KidneyBean_7 (CR2), Kurt_7 (CR2), NatB6_7 (CR2), NovumRegina_7 (CR2), Phomeo_6 (CR2), Tracker_7 (CR2), Wheezy_7 (CR2),

Start 5:

• Found in 3 of 16 (18.8%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fury_10 (CR5), Pleakley_10 (CR5), Scuba_10 (CR5),

Start 6:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Commandaria_6 (CR2),

Summary by clusters:

There are 2 clusters represented in this pham: CR2, CR5,

Info for manual annotations of cluster CR2:
•Start number 4 was manually annotated 11 times for cluster CR2.
•Start number 6 was manually annotated 1 time for cluster CR2.

Info for manual annotations of cluster CR5:
•Start number 5 was manually annotated 2 times for cluster CR5.

Gene Information:

Gene: Arti_7 Start: 5140, Stop: 5535, Start Num: 4
Candidate Starts for Arti_7:
(1, 5071), (Start: 4 @5140 has 11 MA's), (8, 5209), (10, 5239), (14, 5290), (18, 5383), (20, 5446), (22, 5485), (23, 5488),

Gene: Commandaria_6 Start: 4204, Stop: 4557, Start Num: 6
Candidate Starts for Commandaria_6:
(3, 4150), (Start: 6 @4204 has 1 MA's), (9, 4264), (11, 4294), (15, 4348), (17, 4375), (18, 4426), (19, 4450),

Gene: Emianna_7 Start: 5108, Stop: 5503, Start Num: 4
Candidate Starts for Emianna_7:
(Start: 4 @5108 has 11 MA's), (8, 5177), (10, 5207), (14, 5258), (18, 5351), (20, 5414), (22, 5453), (23, 5456),

Gene: Foxboro_7 Start: 5119, Stop: 5514, Start Num: 4
Candidate Starts for Foxboro_7:
(Start: 4 @5119 has 11 MA's), (8, 5188), (10, 5218), (14, 5269), (18, 5362), (20, 5425), (22, 5464), (23, 5467),

Gene: Fury_10 Start: 4783, Stop: 5187, Start Num: 5
Candidate Starts for Fury_10:
(Start: 5 @4783 has 2 MA's), (12, 4903), (16, 4942), (21, 5134), (24, 5173),

Gene: GrootJr_9 Start: 5535, Stop: 5930, Start Num: 4
Candidate Starts for GrootJr_9:

(1, 5466), (Start: 4 @5535 has 11 MA's), (8, 5604), (10, 5634), (14, 5685), (18, 5778), (20, 5841), (22, 5880), (23, 5883),

Gene: Jifall16_6 Start: 4580, Stop: 4975, Start Num: 4
Candidate Starts for Jifall16_6:
(2, 4520), (Start: 4 @4580 has 11 MA's), (8, 4649), (10, 4679), (14, 4730), (18, 4823), (20, 4886), (22, 4925), (23, 4928),

Gene: KidneyBean_7 Start: 4925, Stop: 5320, Start Num: 4
Candidate Starts for KidneyBean_7:
(Start: 4 @4925 has 11 MA's), (8, 4994), (10, 5024), (14, 5075), (18, 5168), (20, 5231), (22, 5270), (23, 5273),

Gene: Kurt_7 Start: 5108, Stop: 5503, Start Num: 4
Candidate Starts for Kurt_7:
(Start: 4 @5108 has 11 MA's), (8, 5177), (10, 5207), (14, 5258), (18, 5351), (20, 5414), (22, 5453), (23, 5456),

Gene: NatB6_7 Start: 5187, Stop: 5582, Start Num: 4
Candidate Starts for NatB6_7:
(2, 5127), (Start: 4 @5187 has 11 MA's), (8, 5256), (10, 5286), (14, 5337), (18, 5430), (20, 5493), (22, 5532), (23, 5535),

Gene: NovumRegina_7 Start: 5534, Stop: 5929, Start Num: 4
Candidate Starts for NovumRegina_7:
(1, 5465), (Start: 4 @5534 has 11 MA's), (8, 5603), (10, 5633), (14, 5684), (18, 5777), (20, 5840), (22, 5879), (23, 5882),

Gene: Phomeo_6 Start: 4761, Stop: 5156, Start Num: 4
Candidate Starts for Phomeo_6:
(2, 4701), (Start: 4 @4761 has 11 MA's), (8, 4830), (10, 4860), (14, 4911), (18, 5004), (20, 5067), (22, 5106), (23, 5109),

Gene: Pleakley_10 Start: 4783, Stop: 5187, Start Num: 5
Candidate Starts for Pleakley_10:
(Start: 5 @4783 has 2 MA's), (12, 4903), (16, 4942), (21, 5134), (24, 5173),

Gene: Scuba_10 Start: 4881, Stop: 5285, Start Num: 5
Candidate Starts for Scuba_10:
(Start: 4 @4872 has 11 MA's), (Start: 5 @4881 has 2 MA's), (7, 4896), (13, 5013), (16, 5040), (21, 5232), (24, 5271),

Gene: Tracker_7 Start: 4900, Stop: 5295, Start Num: 4
Candidate Starts for Tracker_7:
(Start: 4 @4900 has 11 MA's), (8, 4969), (10, 4999), (14, 5050), (18, 5143), (20, 5206), (22, 5245), (23, 5248),

Gene: Wheezy_7 Start: 5152, Stop: 5547, Start Num: 4
Candidate Starts for Wheezy_7:
(1, 5083), (Start: 4 @5152 has 11 MA's), (8, 5221), (10, 5251), (14, 5302), (18, 5395), (20, 5458), (22, 5497), (23, 5500),