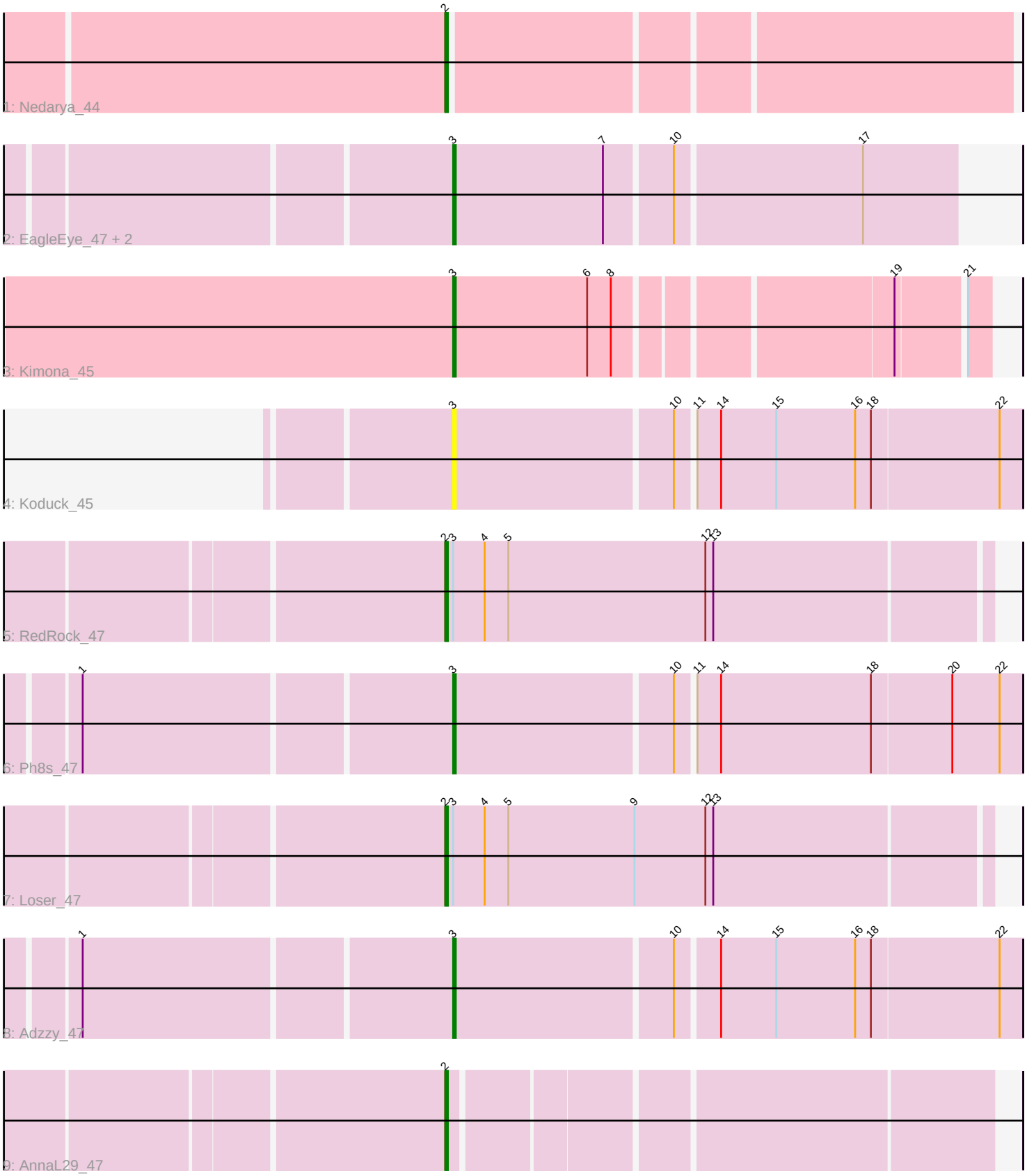
Pham 156824


2
1: Nedarya_44
3
7
10
17
2: EagleEye_47 + 2
3
6
8
19
21
3: Kimona_45
3
10
11
14
15
16
18
22
4: Koduck_45
23
4
5
12
13
5: RedRock_47
1
3
10
11
14
18
20
22
6: Ph8s_47
23
4
5
9
12
13
7: Loser_47
1
3
10
14
15
16
18
22
8: Adzzy_47
2
9: AnnaL29_47

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 156824 Report

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

Pham number 156824 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Nedarya_44
• Track 2 : EagleEye_47, Lucyedi_46, PainterBoy_46
• Track 3 : Kimona_45
• Track 4 : Koduck_45
• Track 5 : RedRock_47
• Track 6 : Ph8s_47
• Track 7 : Loser_47
• Track 8 : Adzzy_47
• Track 9 : AnnaL29_47

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 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adzzy_47, EagleEye_47, Kimona_45, Koduck_45, Lucyedi_46, PainterBoy_46, Ph8s_47,

Genes that have the "Most Annotated" start but do not call it:
• Loser_47, RedRock_47,

Genes that do not have the "Most Annotated" start:
• AnnaL29_47, Nedarya_44,

Summary by start number:

Start 2:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnaL29_47 (A2), Loser_47 (A2), Nedarya_44 (A15), RedRock_47 (A2),

Start 3:
• Found in 9 of 11 (81.8%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 77.8% of time when present
• Phage (with cluster) where this start called: Adzzy_47 (A2), EagleEye_47 (A16), Kimona_45 (A19), Koduck_45 (A2), Lucyedi_46 (A16), PainterBoy_46 (A16), Ph8s_47 (A2),

Summary by clusters:

There are 4 clusters represented in this pham: A15, A16, A19, A2,

Info for manual annotations of cluster A15:
•Start number 2 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A16:
•Start number 3 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A19:
•Start number 3 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 2 was manually annotated 3 times for cluster A2.
•Start number 3 was manually annotated 2 times for cluster A2.

Gene Information:

Gene: Adzzy_47 Start: 30308, Stop: 30099, Start Num: 3
Candidate Starts for Adzzy_47:
(1, 30443), (Start: 3 @30308 has 6 MA's), (10, 30227), (14, 30212), (15, 30191), (16, 30161), (18, 30155), (22, 30107),

Gene: AnnaL29_47 Start: 32518, Stop: 32324, Start Num: 2
Candidate Starts for AnnaL29_47:
(Start: 2 @32518 has 4 MA's),

Gene: EagleEye_47 Start: 30973, Stop: 30788, Start Num: 3
Candidate Starts for EagleEye_47:
(Start: 3 @30973 has 6 MA's), (7, 30916), (10, 30892), (17, 30823),

Gene: Kimona_45 Start: 30049, Stop: 29861, Start Num: 3
Candidate Starts for Kimona_45:
(Start: 3 @30049 has 6 MA's), (6, 29998), (8, 29989), (19, 29893), (21, 29869),

Gene: Koduck_45 Start: 30554, Stop: 30345, Start Num: 3
Candidate Starts for Koduck_45:
(Start: 3 @30554 has 6 MA's), (10, 30473), (11, 30467), (14, 30458), (15, 30437), (16, 30407), (18, 30401), (22, 30353),

Gene: Loser_47 Start: 32467, Stop: 32264, Start Num: 2
Candidate Starts for Loser_47:

(Start: 2 @32467 has 4 MA's), (Start: 3 @32464 has 6 MA's), (4, 32452), (5, 32443), (9, 32395), (12, 32368), (13, 32365),

Gene: Lucyedi_46 Start: 31168, Stop: 30983, Start Num: 3
Candidate Starts for Lucyedi_46:
(Start: 3 @31168 has 6 MA's), (7, 31111), (10, 31087), (17, 31018),

Gene: Nedarya_44 Start: 29716, Stop: 29513, Start Num: 2
Candidate Starts for Nedarya_44:
(Start: 2 @29716 has 4 MA's),

Gene: PainterBoy_46 Start: 31104, Stop: 30919, Start Num: 3
Candidate Starts for PainterBoy_46:
(Start: 3 @31104 has 6 MA's), (7, 31047), (10, 31023), (17, 30954),

Gene: Ph8s_47 Start: 30743, Stop: 30534, Start Num: 3
Candidate Starts for Ph8s_47:
(1, 30878), (Start: 3 @30743 has 6 MA's), (10, 30662), (11, 30656), (14, 30647), (18, 30590), (20, 30560), (22, 30542),

Gene: RedRock_47 Start: 32680, Stop: 32477, Start Num: 2
Candidate Starts for RedRock_47:
(Start: 2 @32680 has 4 MA's), (Start: 3 @32677 has 6 MA's), (4, 32665), (5, 32656), (12, 32581), (13, 32578),