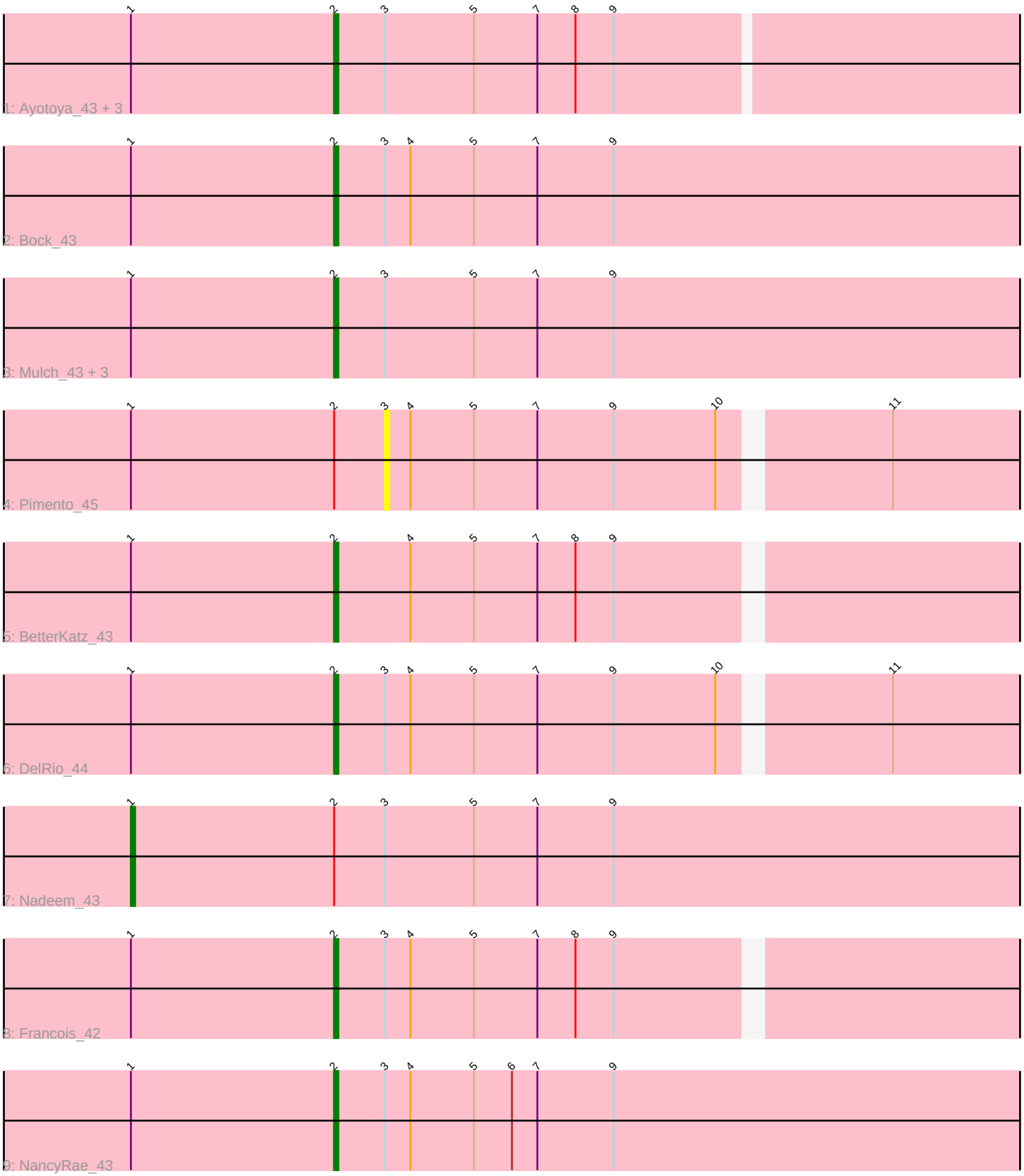
Pham 158262


1
2
3
5
7
8
9
1: Ayotoya_43 + 3
1
2
3
4
5
7
9
2: Bock_43
1
2
3
5
7
9
3: Mulch_43 + 3
1
2
3
4
5
7
9
10
11
4: Pimento_45
1
2
4
5
7
8
9
5: BetterKatz_43
1
2
3
4
5
7
9
10
11
6: DelRio_44
1
2
3
5
7
9
7: Nadeem_43
1
2
3
4
5
7
8
9
8: Francois_42
1
2
3
4
5
6
7
9
9: NancyRae_43

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 158262 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158262 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Ayotoya_43, Hamood_43, Chop_43, GrandSlam_43
• Track 2 : Bock_43
• Track 3 : Mulch_43, WheatThin_43, Brylie_43, Parada_43
• Track 4 : Pimento_45
• Track 5 : BetterKatz_43
• Track 6 : DelRio_44
• Track 7 : Nadeem_43
• Track 8 : Francois_42
• Track 9 : NancyRae_43

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

The start number called the most often in the published annotations is 2, it was called in 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ayotoya_43, BetterKatz_43, Bock_43, Brylie_43, Chop_43, DelRio_44, Francois_42, GrandSlam_43, Hamood_43, Mulch_43, NancyRae_43, Parada_43, WheatThin_43,

Genes that have the "Most Annotated" start but do not call it:
• Nadeem_43, Pimento_45,

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

Summary by start number:

Start 1:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 6.7% of time when present
• Phage (with cluster) where this start called: Nadeem_43 (DI),

Start 2:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 86.7% of time when present
• Phage (with cluster) where this start called: Ayotoya_43 (DI), BetterKatz_43 (DI), Bock_43 (DI), Brylie_43 (DI), Chop_43 (DI), DelRio_44 (DI), Francois_42 (DI), GrandSlam_43 (DI), Hamood_43 (DI), Mulch_43 (DI), NancyRae_43 (DI), Parada_43 (DI), WheatThin_43 (DI),

Start 3:
• Found in 14 of 15 (93.3%) of genes in pham
• No Manual Annotations of this start.
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Pimento_45 (DI),

Summary by clusters:

There is one cluster represented in this pham: DI

Info for manual annotations of cluster DI:
•Start number 1 was manually annotated 1 time for cluster DI.
•Start number 2 was manually annotated 12 times for cluster DI.

Gene Information:

Gene: Ayotoya_43 Start: 33629, Stop: 33799, Start Num: 2
Candidate Starts for Ayotoya_43:
(Start: 1 @33581 has 1 MA's), (Start: 2 @33629 has 12 MA's), (3, 33641), (5, 33662), (7, 33677), (8, 33686), (9, 33695),

Gene: BetterKatz_43 Start: 33157, Stop: 33324, Start Num: 2
Candidate Starts for BetterKatz_43:
(Start: 1 @33109 has 1 MA's), (Start: 2 @33157 has 12 MA's), (4, 33175), (5, 33190), (7, 33205), (8, 33214), (9, 33223),

Gene: Bock_43 Start: 32849, Stop: 33022, Start Num: 2
Candidate Starts for Bock_43:
(Start: 1 @32801 has 1 MA's), (Start: 2 @32849 has 12 MA's), (3, 32861), (4, 32867), (5, 32882), (7, 32897), (9, 32915),

Gene: Brylie_43 Start: 32896, Stop: 33069, Start Num: 2
Candidate Starts for Brylie_43:
(Start: 1 @32848 has 1 MA's), (Start: 2 @32896 has 12 MA's), (3, 32908), (5, 32929), (7, 32944), (9, 32962),

Gene: Chop_43 Start: 33376, Stop: 33546, Start Num: 2
Candidate Starts for Chop_43:
(Start: 1 @33328 has 1 MA's), (Start: 2 @33376 has 12 MA's), (3, 33388), (5, 33409), (7, 33424), (8, 33433), (9, 33442),

Gene: DelRio_44 Start: 34084, Stop: 34251, Start Num: 2

Candidate Starts for DelRio_44:
(Start: 1 @34036 has 1 MA's), (Start: 2 @34084 has 12 MA's), (3, 34096), (4, 34102), (5, 34117), (7, 34132), (9, 34150), (10, 34174), (11, 34210),

Gene: Francois_42 Start: 32980, Stop: 33147, Start Num: 2
Candidate Starts for Francois_42:
(Start: 1 @32932 has 1 MA's), (Start: 2 @32980 has 12 MA's), (3, 32992), (4, 32998), (5, 33013), (7, 33028), (8, 33037), (9, 33046),

Gene: GrandSlam_43 Start: 33376, Stop: 33546, Start Num: 2
Candidate Starts for GrandSlam_43:
(Start: 1 @33328 has 1 MA's), (Start: 2 @33376 has 12 MA's), (3, 33388), (5, 33409), (7, 33424), (8, 33433), (9, 33442),

Gene: Hamood_43 Start: 33376, Stop: 33546, Start Num: 2
Candidate Starts for Hamood_43:
(Start: 1 @33328 has 1 MA's), (Start: 2 @33376 has 12 MA's), (3, 33388), (5, 33409), (7, 33424), (8, 33433), (9, 33442),

Gene: Mulch_43 Start: 32896, Stop: 33069, Start Num: 2
Candidate Starts for Mulch_43:
(Start: 1 @32848 has 1 MA's), (Start: 2 @32896 has 12 MA's), (3, 32908), (5, 32929), (7, 32944), (9, 32962),

Gene: Nadeem_43 Start: 32848, Stop: 33069, Start Num: 1
Candidate Starts for Nadeem_43:
(Start: 1 @32848 has 1 MA's), (Start: 2 @32896 has 12 MA's), (3, 32908), (5, 32929), (7, 32944), (9, 32962),

Gene: NancyRae_43 Start: 32906, Stop: 33079, Start Num: 2
Candidate Starts for NancyRae_43:
(Start: 1 @32858 has 1 MA's), (Start: 2 @32906 has 12 MA's), (3, 32918), (4, 32924), (5, 32939), (6, 32948), (7, 32954), (9, 32972),

Gene: Parada_43 Start: 32896, Stop: 33069, Start Num: 2
Candidate Starts for Parada_43:
(Start: 1 @32848 has 1 MA's), (Start: 2 @32896 has 12 MA's), (3, 32908), (5, 32929), (7, 32944), (9, 32962),

Gene: Pimento_45 Start: 32565, Stop: 32720, Start Num: 3
Candidate Starts for Pimento_45:
(Start: 1 @32505 has 1 MA's), (Start: 2 @32553 has 12 MA's), (3, 32565), (4, 32571), (5, 32586), (7, 32601), (9, 32619), (10, 32643), (11, 32679),

Gene: WheatThin_43 Start: 32896, Stop: 33069, Start Num: 2
Candidate Starts for WheatThin_43:
(Start: 1 @32848 has 1 MA's), (Start: 2 @32896 has 12 MA's), (3, 32908), (5, 32929), (7, 32944), (9, 32962),