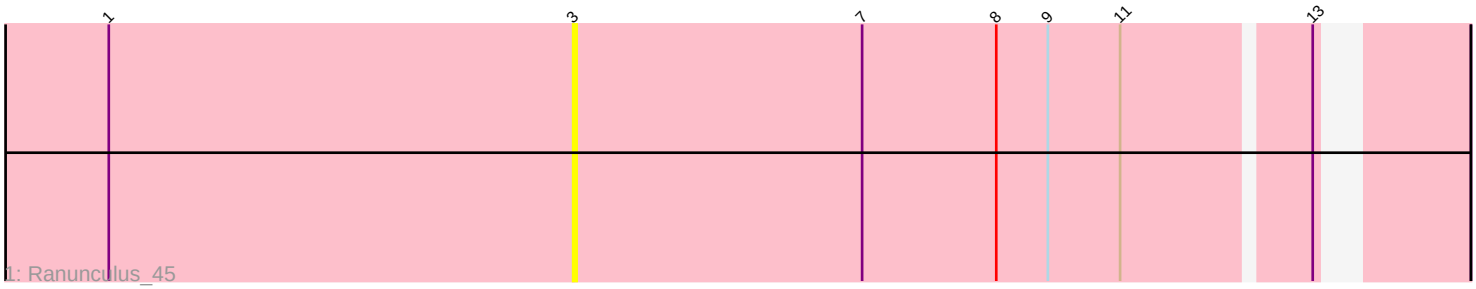
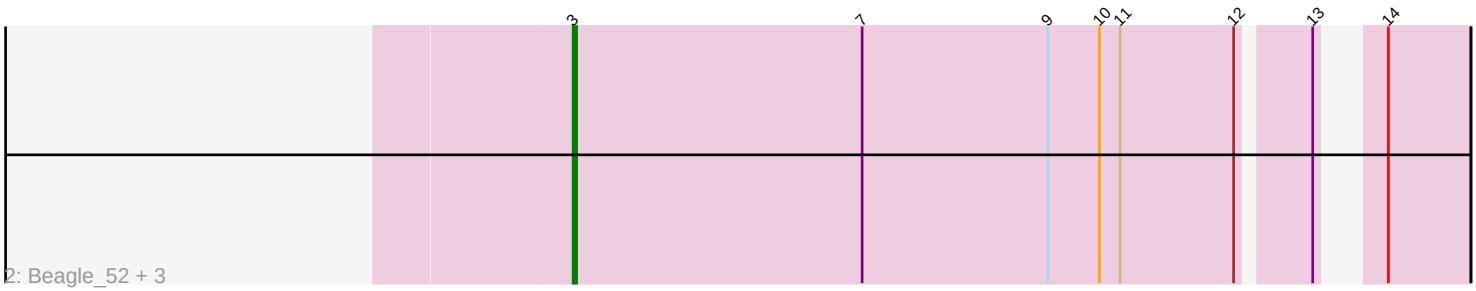
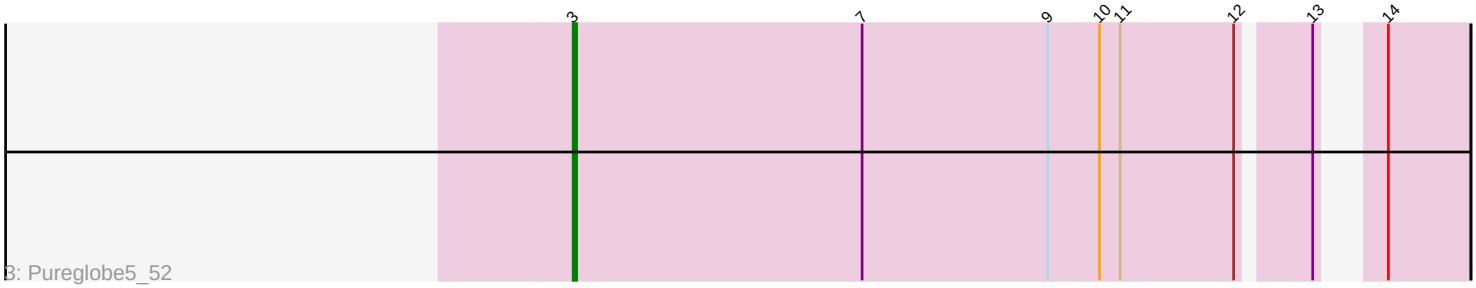
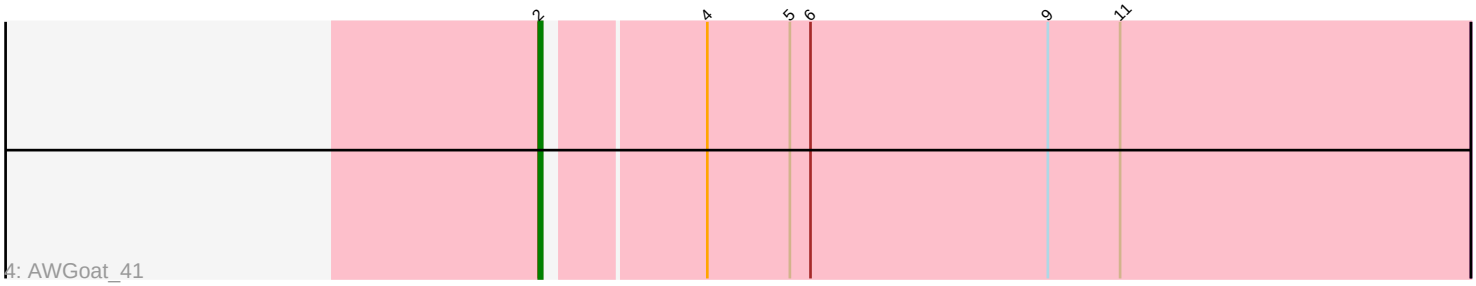
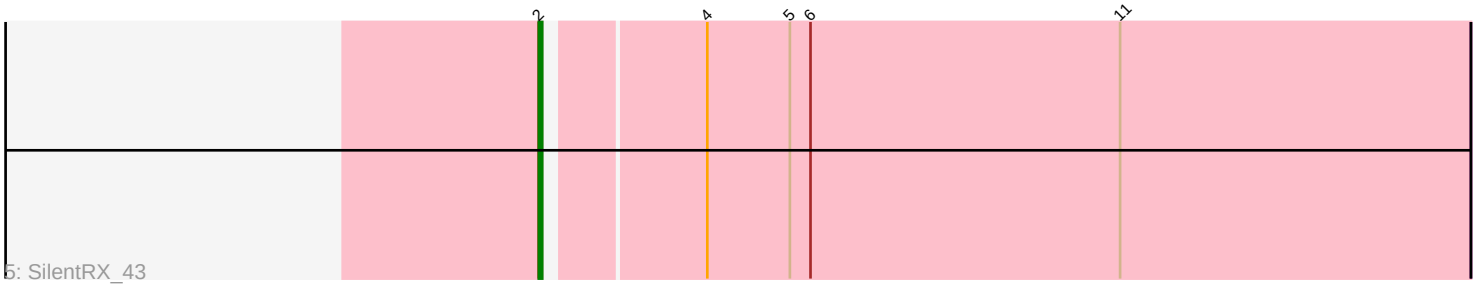
Pham 8728


1
3
7
8
9
11
13
1: Ranunculus_45


3
7
9
10
11
12
13
14
2: Beagle_52 + 3


3
7
9
10
11
12
13
14
3: Pureglobe5_52


2
4
5
6
9
11
4: AWGoat_41


2
4
5
6
11
5: SilentRX_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 8728 Report

This analysis was run 07/09/24 on database version 566.

Pham number 8728 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_45
• Track 2 : Beagle_52, Pointis_49, Odyssey395_53, MellowYellow_45
• Track 3 : Pureglobe5_52
• Track 4 : AWGoat_41
• Track 5 : SilentRX_43

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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_52, MellowYellow_45, Odyssey395_53, Pointis_49, Pureglobe5_52, Ranunculus_45,

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

Genes that do not have the "Most Annotated" start:
• AWGoat_41, SilentRX_43,

Summary by start number:

Start 2:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_41 (AP4), SilentRX_43 (AP4),

Start 3:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Beagle_52 (AP2), MellowYellow_45 (AP2), Odyssey395_53 (AP2), Pointis_49 (AP2), Pureglobe5_52 (AP2), Ranunculus_45 (AP),

Summary by clusters:

There are 3 clusters represented in this pham: AP2, AP, AP4,

Info for manual annotations of cluster AP2:
•Start number 3 was manually annotated 3 times for cluster AP2.

Info for manual annotations of cluster AP4:
•Start number 2 was manually annotated 2 times for cluster AP4.

Gene Information:

Gene: AWGoat_41 Start: 35719, Stop: 35456, Start Num: 2
Candidate Starts for AWGoat_41:
(Start: 2 @35719 has 2 MA's), (4, 35677), (5, 35653), (6, 35647), (9, 35578), (11, 35557),

Gene: Beagle_52 Start: 38460, Stop: 38218, Start Num: 3
Candidate Starts for Beagle_52:
(Start: 3 @38460 has 3 MA's), (7, 38376), (9, 38322), (10, 38307), (11, 38301), (12, 38268), (13, 38250), (14, 38241),

Gene: MellowYellow_45 Start: 37410, Stop: 37171, Start Num: 3
Candidate Starts for MellowYellow_45:
(Start: 3 @37410 has 3 MA's), (7, 37326), (9, 37272), (10, 37257), (11, 37251), (12, 37218), (13, 37200), (14, 37191),

Gene: Odyssey395_53 Start: 38502, Stop: 38260, Start Num: 3
Candidate Starts for Odyssey395_53:
(Start: 3 @38502 has 3 MA's), (7, 38418), (9, 38364), (10, 38349), (11, 38343), (12, 38310), (13, 38292), (14, 38283),

Gene: Pointis_49 Start: 38500, Stop: 38258, Start Num: 3
Candidate Starts for Pointis_49:
(Start: 3 @38500 has 3 MA's), (7, 38416), (9, 38362), (10, 38347), (11, 38341), (12, 38308), (13, 38290), (14, 38281),

Gene: Pureglobe5_52 Start: 38683, Stop: 38441, Start Num: 3
Candidate Starts for Pureglobe5_52:
(Start: 3 @38683 has 3 MA's), (7, 38599), (9, 38545), (10, 38530), (11, 38524), (12, 38491), (13, 38473), (14, 38464),

Gene: Ranunculus_45 Start: 40507, Stop: 40265, Start Num: 3
Candidate Starts for Ranunculus_45:
(1, 40642), (Start: 3 @40507 has 3 MA's), (7, 40423), (8, 40384), (9, 40369), (11, 40348), (13, 40297),

Gene: SilentRX_43 Start: 36809, Stop: 36546, Start Num: 2

Candidate Starts for SilentRX_43:
(Start: 2 @36809 has 2 MA's), (4, 36767), (5, 36743), (6, 36737), (11, 36647),