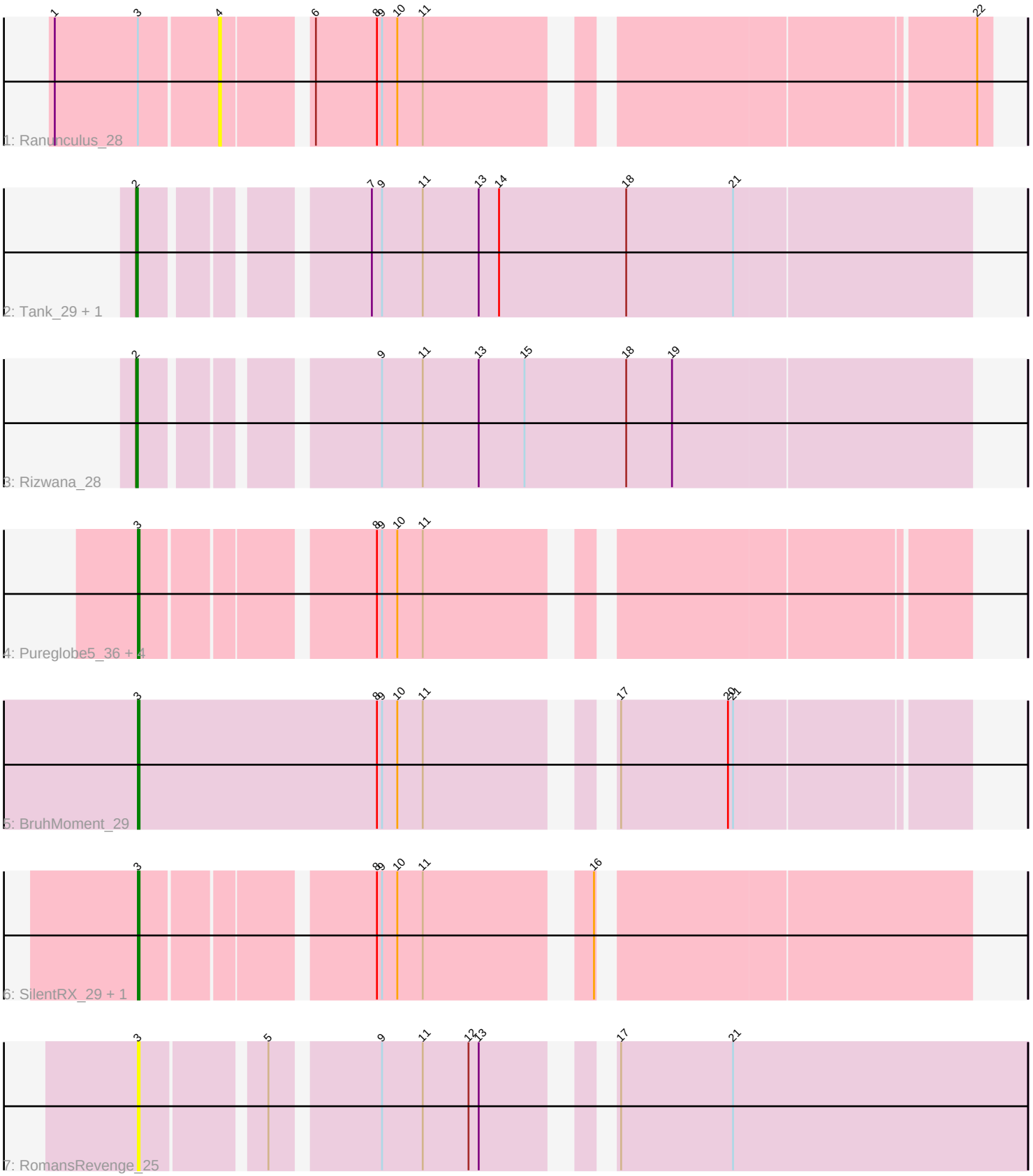
Pham 87695


1
3
4
6
8
9
10
11
22
1: Ranunculus_28
2
7
9
11
13
14
18
21
2: Tank_29 + 1
2
9
11
13
15
18
19
3: Rizwana_28
3
8
9
10
11
4: Pureglobe5_36 + 4
3
8
9
10
11
17
20
21
5: BruhMoment_29
3
8
9
10
11
16
6: SilentRX_29 + 1
3
5
9
11
12
13
17
21
7: RomansRevenge_25

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 87695 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87695 has 13 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_28
• Track 2 : Tank_29, Wilde_29
• Track 3 : Rizwana_28
• Track 4 : Pureglobe5_36, Odyssey395_36, MellowYellow_29, Beagle_35, Pointis_34
• Track 5 : BruhMoment_29
• Track 6 : SilentRX_29, AWGoat_27
• Track 7 : RomansRevenge_25

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AWGoat_27, Beagle_35, BruhMoment_29, MellowYellow_29, Odyssey395_36, Pointis_34, Pureglobe5_36, RomansRevenge_25, SilentRX_29,

Genes that have the "Most Annotated" start but do not call it:
• Ranunculus_28,

Genes that do not have the "Most Annotated" start:
• Rizwana_28, Tank_29, Wilde_29,

Summary by start number:

Start 2:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rizwana_28 (AP1), Tank_29 (AP1), Wilde_29 (AP1),

Start 3:

• Found in 10 of 13 (76.9%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 90.0% of time when present
• Phage (with cluster) where this start called: AWGoat_27 (AP4), Beagle_35 (AP2), BruhMoment_29 (AP3), MellowYellow_29 (AP2), Odyssey395_36 (AP2), Pointis_34 (AP2), Pureglobe5_36 (AP2), RomansRevenge_25 (singleton), SilentRX_29 (AP4),

Start 4:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ranunculus_28 (AP),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, AP2, AP3, AP1, AP4, AP,

Info for manual annotations of cluster AP1:
•Start number 2 was manually annotated 3 times for cluster AP1.

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

Info for manual annotations of cluster AP3:
•Start number 3 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:
•Start number 3 was manually annotated 1 time for cluster AP4.

Gene Information:

Gene: AWGoat_27 Start: 21466, Stop: 21906, Start Num: 3
Candidate Starts for AWGoat_27:
(Start: 3 @21466 has 5 MA's), (8, 21589), (9, 21592), (10, 21601), (11, 21616), (16, 21700),

Gene: Beagle_35 Start: 20935, Stop: 21369, Start Num: 3
Candidate Starts for Beagle_35:
(Start: 3 @20935 has 5 MA's), (8, 21058), (9, 21061), (10, 21070), (11, 21085),

Gene: BruhMoment_29 Start: 20457, Stop: 20909, Start Num: 3
Candidate Starts for BruhMoment_29:
(Start: 3 @20457 has 5 MA's), (8, 20598), (9, 20601), (10, 20610), (11, 20625), (17, 20712), (20, 20775), (21, 20778),

Gene: MellowYellow_29 Start: 19670, Stop: 20104, Start Num: 3
Candidate Starts for MellowYellow_29:
(Start: 3 @19670 has 5 MA's), (8, 19793), (9, 19796), (10, 19805), (11, 19820),

Gene: Odyssey395_36 Start: 20948, Stop: 21382, Start Num: 3
Candidate Starts for Odyssey395_36:

(Start: 3 @20948 has 5 MA's), (8, 21071), (9, 21074), (10, 21083), (11, 21098),

Gene: Pointis_34 Start: 20952, Stop: 21386, Start Num: 3
Candidate Starts for Pointis_34:
(Start: 3 @20952 has 5 MA's), (8, 21075), (9, 21078), (10, 21087), (11, 21102),

Gene: Pureglobe5_36 Start: 21135, Stop: 21569, Start Num: 3
Candidate Starts for Pureglobe5_36:
(Start: 3 @21135 has 5 MA's), (8, 21258), (9, 21261), (10, 21270), (11, 21285),

Gene: Ranunculus_28 Start: 20077, Stop: 20481, Start Num: 4
Candidate Starts for Ranunculus_28:
(1, 19984), (Start: 3 @20032 has 5 MA's), (4, 20077), (6, 20122), (8, 20158), (9, 20161), (10, 20170), (11, 20185), (22, 20473),

Gene: Rizwana_28 Start: 20128, Stop: 20589, Start Num: 2
Candidate Starts for Rizwana_28:
(Start: 2 @20128 has 3 MA's), (9, 20245), (11, 20269), (13, 20302), (15, 20329), (18, 20389), (19, 20416),

Gene: RomansRevenge_25 Start: 19370, Stop: 19843, Start Num: 3
Candidate Starts for RomansRevenge_25:
(Start: 3 @19370 has 5 MA's), (5, 19436), (9, 19493), (11, 19517), (12, 19544), (13, 19550), (17, 19604), (21, 19670),

Gene: SilentRX_29 Start: 21178, Stop: 21618, Start Num: 3
Candidate Starts for SilentRX_29:
(Start: 3 @21178 has 5 MA's), (8, 21301), (9, 21304), (10, 21313), (11, 21328), (16, 21412),

Gene: Tank_29 Start: 20075, Stop: 20536, Start Num: 2
Candidate Starts for Tank_29:
(Start: 2 @20075 has 3 MA's), (7, 20186), (9, 20192), (11, 20216), (13, 20249), (14, 20261), (18, 20336), (21, 20399),

Gene: Wilde_29 Start: 20004, Stop: 20465, Start Num: 2
Candidate Starts for Wilde_29:
(Start: 2 @20004 has 3 MA's), (7, 20115), (9, 20121), (11, 20145), (13, 20178), (14, 20190), (18, 20265), (21, 20328),