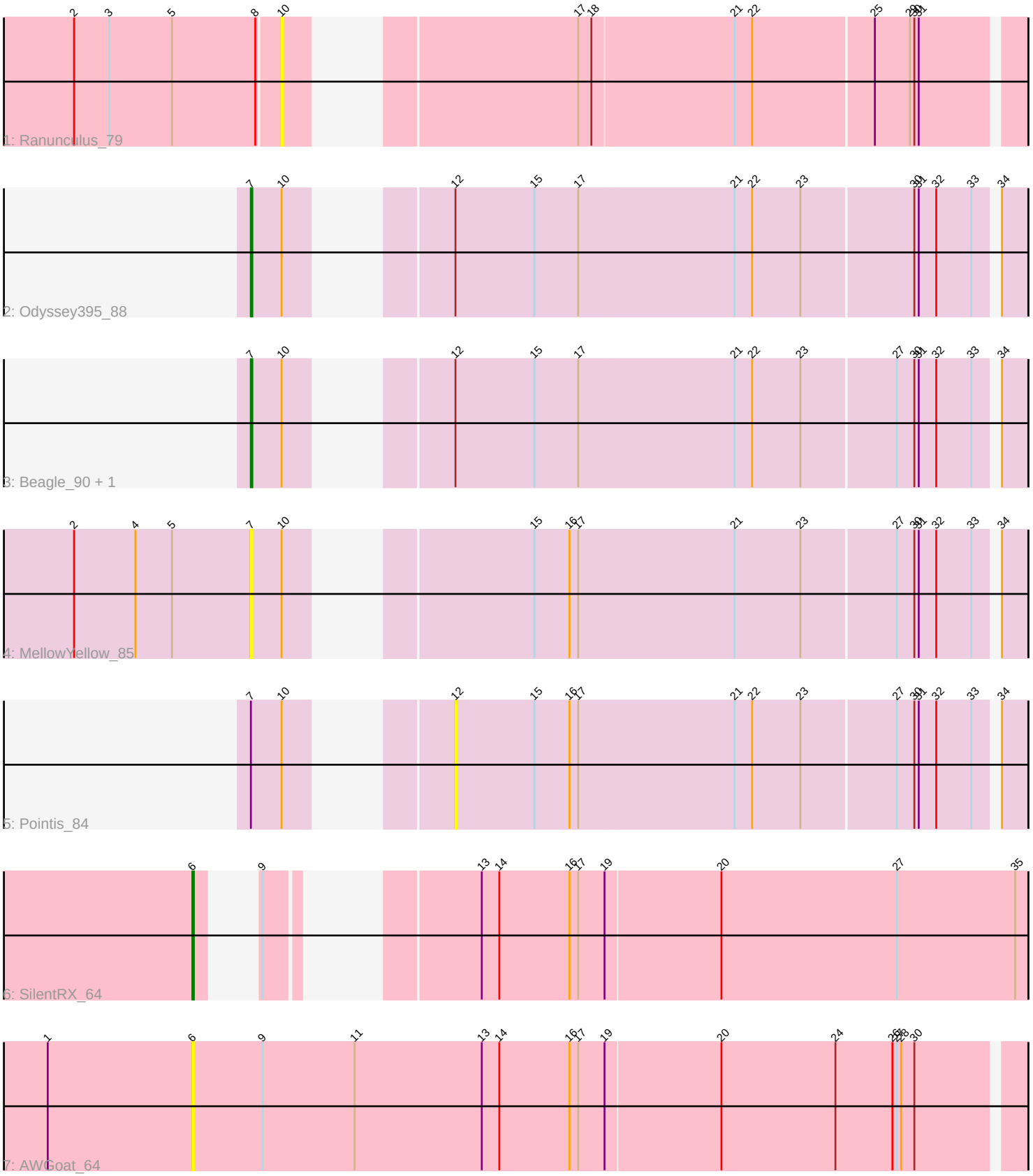
Pham 88526


1: Ranunculus_79
2: Odyssey395_88
3: Beagle_90 + 1
4: MellowYellow_85
5: Pointis_84
6: SilentRX_64
7: AWGoat_64

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 88526 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88526 has 8 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_79
• Track 2 : Odyssey395_88
• Track 3 : Beagle_90, Pureglobe5_88
• Track 4 : MellowYellow_85
• Track 5 : Pointis_84
• Track 6 : SilentRX_64
• Track 7 : AWGoat_64

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_90, MellowYellow_85, Odyssey395_88, Pureglobe5_88,

Genes that have the "Most Annotated" start but do not call it:
• Pointis_84,

Genes that do not have the "Most Annotated" start:
• AWGoat_64, Ranunculus_79, SilentRX_64,

Summary by start number:

Start 6:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AWGoat_64 (AP4), SilentRX_64 (AP4),

Start 7:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 80.0% of time when present

• Phage (with cluster) where this start called: Beagle_90 (AP2), MellowYellow_85 (AP2), Odyssey395_88 (AP2), Pureglobe5_88 (AP2),

Start 10:
• Found in 6 of 8 (75.0%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Ranunculus_79 (AP),

Start 12:
• Found in 4 of 8 (50.0%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Pointis_84 (AP2),

Summary by clusters:

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

Info for manual annotations of cluster AP2:
•Start number 7 was manually annotated 3 times for cluster AP2.

Info for manual annotations of cluster AP4:
•Start number 6 was manually annotated 1 time for cluster AP4.

Gene Information:

Gene: AWGoat_64 Start: 45285, Stop: 44725, Start Num: 6
Candidate Starts for AWGoat_64:
(1, 45384), (Start: 6 @45285 has 1 MA's), (9, 45237), (11, 45174), (13, 45087), (14, 45075), (16, 45027), (17, 45021), (19, 45003), (20, 44925), (24, 44847), (26, 44808), (27, 44805), (28, 44802), (30, 44793),

Gene: Beagle_90 Start: 51932, Stop: 51468, Start Num: 7
Candidate Starts for Beagle_90:
(Start: 7 @51932 has 3 MA's), (10, 51911), (12, 51845), (15, 51791), (17, 51761), (21, 51656), (22, 51644), (23, 51611), (27, 51548), (30, 51536), (31, 51533), (32, 51521), (33, 51497), (34, 51485),

Gene: MellowYellow_85 Start: 51546, Stop: 51082, Start Num: 7
Candidate Starts for MellowYellow_85:
(2, 51666), (4, 51624), (5, 51600), (Start: 7 @51546 has 3 MA's), (10, 51525), (15, 51405), (16, 51381), (17, 51375), (21, 51270), (23, 51225), (27, 51162), (30, 51150), (31, 51147), (32, 51135), (33, 51111), (34, 51099),

Gene: Odyssey395_88 Start: 51326, Stop: 50862, Start Num: 7
Candidate Starts for Odyssey395_88:
(Start: 7 @51326 has 3 MA's), (10, 51305), (12, 51239), (15, 51185), (17, 51155), (21, 51050), (22, 51038), (23, 51005), (30, 50930), (31, 50927), (32, 50915), (33, 50891), (34, 50879),

Gene: Pointis_84 Start: 51144, Stop: 50767, Start Num: 12

Candidate Starts for Pointis_84:
(Start: 7 @51231 has 3 MA's), (10, 51210), (12, 51144), (15, 51090), (16, 51066), (17, 51060), (21, 50955), (22, 50943), (23, 50910), (27, 50847), (30, 50835), (31, 50832), (32, 50820), (33, 50796), (34, 50784),

Gene: Pureglobe5_88 Start: 51878, Stop: 51414, Start Num: 7
Candidate Starts for Pureglobe5_88:
(Start: 7 @51878 has 3 MA's), (10, 51857), (12, 51791), (15, 51737), (17, 51707), (21, 51602), (22, 51590), (23, 51557), (27, 51494), (30, 51482), (31, 51479), (32, 51467), (33, 51443), (34, 51431),

Gene: Ranunculus_79 Start: 53087, Stop: 52644, Start Num: 10
Candidate Starts for Ranunculus_79:
(2, 53225), (3, 53201), (5, 53159), (8, 53102), (10, 53087), (17, 52937), (18, 52928), (21, 52832), (22, 52820), (25, 52739), (29, 52715), (30, 52712), (31, 52709),

Gene: SilentRX_64 Start: 46122, Stop: 45652, Start Num: 6
Candidate Starts for SilentRX_64:
(Start: 6 @46122 has 1 MA's), (9, 46110), (13, 46023), (14, 46011), (16, 45963), (17, 45957), (19, 45939), (20, 45861), (27, 45741), (35, 45660),