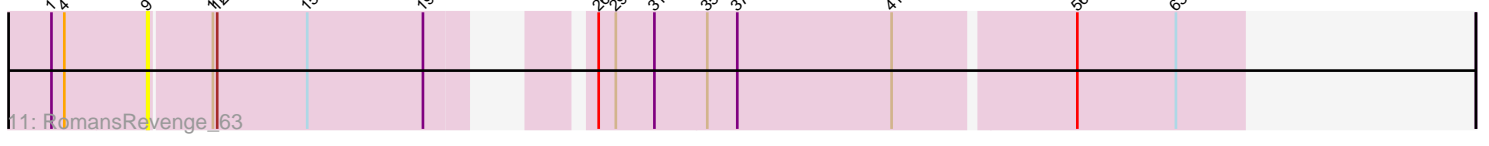
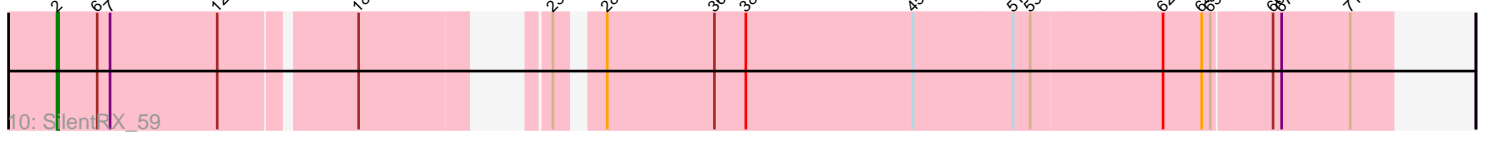
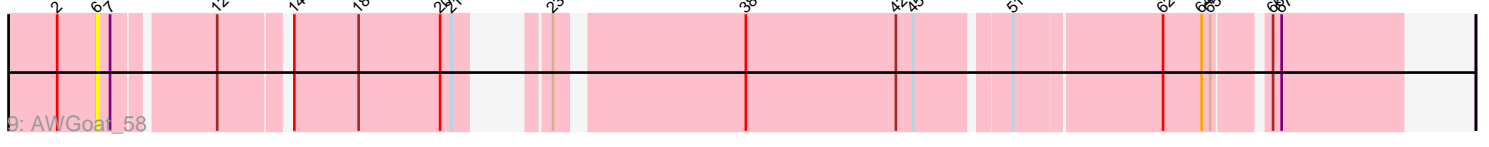
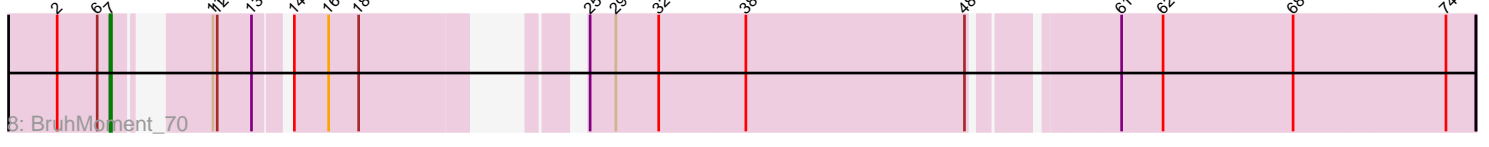
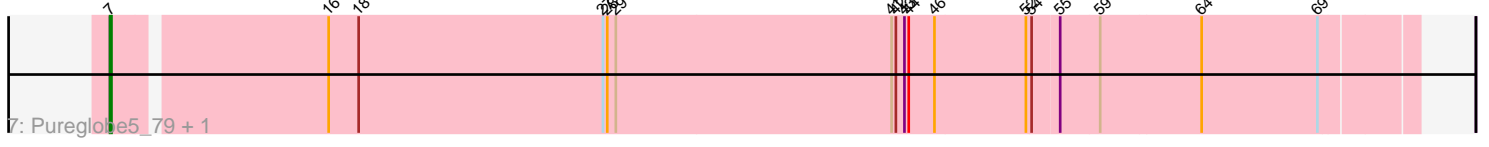
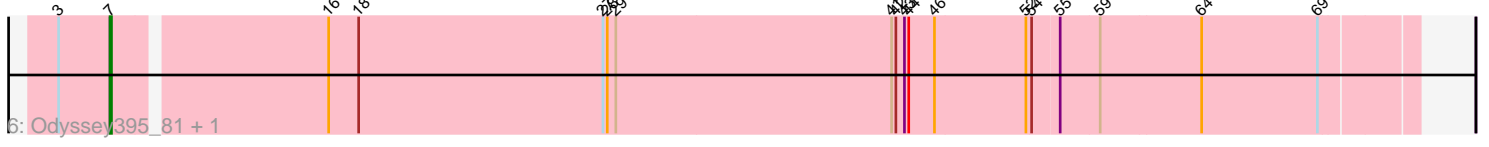
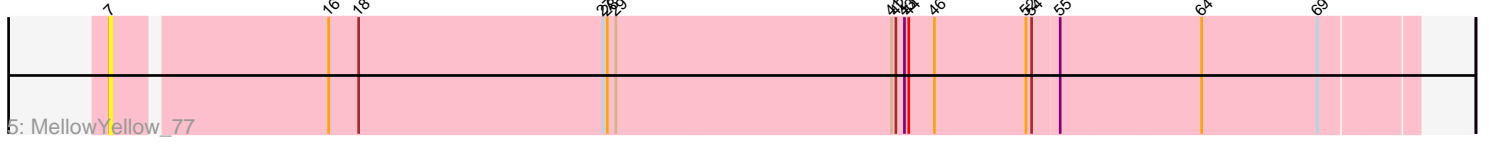
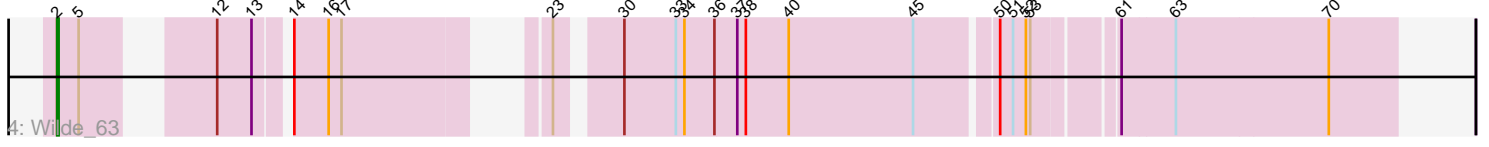
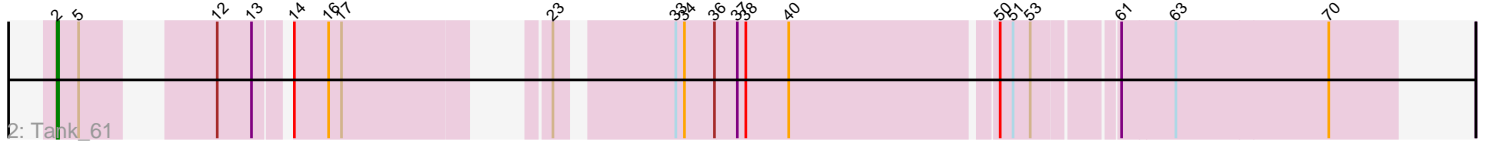
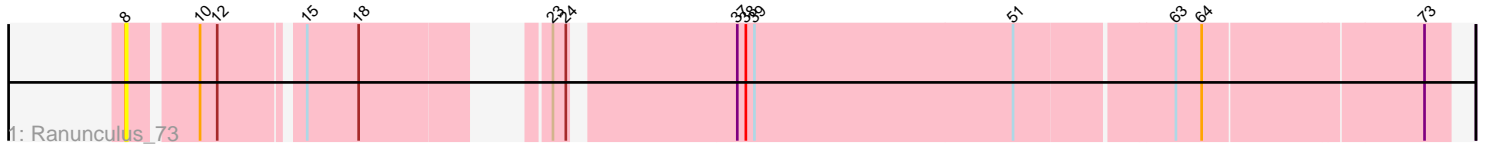


Pham 164052



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 164052 Report

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

Pham number 164052 has 13 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_73
- Track 2 : Tank_61
- Track 3 : Rizwana_61
- Track 4 : Wilde_63
- Track 5 : MellowYellow_77
- Track 6 : Odyssey395_81, Beagle_81
- Track 7 : Pureglobe5_79, Pointis_76
- Track 8 : BruhMoment_70
- Track 9 : AWGoat_58
- Track 10 : SilentRX_59
- Track 11 : RomansRevenge_63

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

Genes that call this "Most Annotated" start:

- Beagle_81, BruhMoment_70, MellowYellow_77, Odyssey395_81, Pointis_76, Pureglobe5_79,

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

- AWGoat_58, SilentRX_59,

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

- Ranunculus_73, Rizwana_61, RomansRevenge_63, Tank_61, Wilde_63,

Summary by start number:

Start 2:

- Found in 5 of 13 (38.5%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 60.0% of time when present

- Phage (with cluster) where this start called: SilentRX_59 (AP4), Tank_61 (AP1), Wilde_63 (AP1),

Start 6:

- Found in 3 of 13 (23.1%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: AWGoat_58 (AP4),

Start 7:

- Found in 8 of 13 (61.5%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Beagle_81 (AP2), BruhMoment_70 (AP3), MellowYellow_77 (AP2), Odyssey395_81 (AP2), Pointis_76 (AP2), Pureglobe5_79 (AP2),

Start 8:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ranunculus_73 (AP), Rizwana_61 (AP1),

Start 9:

- 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: RomansRevenge_63 (singleton),

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 2 times for cluster AP1.
- Start number 8 was manually annotated 1 time for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 7 was manually annotated 3 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 7 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 2 was manually annotated 1 time for cluster AP4.

Gene Information:

Gene: AWGoat_58 Start: 42946, Stop: 42152, Start Num: 6

Candidate Starts for AWGoat_58:

(Start: 2 @42973 has 3 MA's), (6, 42946), (Start: 7 @42937 has 4 MA's), (12, 42874), (14, 42832), (18, 42787), (20, 42730), (21, 42724), (23, 42697), (38, 42577), (42, 42472), (45, 42460), (51, 42400), (62, 42304), (64, 42277), (65, 42271), (66, 42241), (67, 42235),

Gene: Beagle_81 Start: 48714, Stop: 47827, Start Num: 7

Candidate Starts for Beagle_81:

(3, 48750), (Start: 7 @48714 has 4 MA's), (16, 48573), (18, 48552), (27, 48381), (28, 48378), (29, 48372), (41, 48180), (42, 48177), (43, 48171), (44, 48168), (46, 48150), (52, 48087), (54, 48084), (55, 48066), (59, 48039), (64, 47970), (69, 47889),

Gene: BruhMoment_70 Start: 47914, Stop: 47087, Start Num: 7

Candidate Starts for BruhMoment_70:

(Start: 2 @47950 has 3 MA's), (6, 47923), (Start: 7 @47914 has 4 MA's), (11, 47869), (12, 47866), (13, 47842), (14, 47824), (16, 47800), (18, 47779), (25, 47677), (29, 47659), (32, 47629), (38, 47569), (48, 47416), (61, 47329), (62, 47302), (68, 47212), (74, 47107),

Gene: MellowYellow_77 Start: 48842, Stop: 47955, Start Num: 7

Candidate Starts for MellowYellow_77:

(Start: 7 @48842 has 4 MA's), (16, 48701), (18, 48680), (27, 48509), (28, 48506), (29, 48500), (41, 48308), (42, 48305), (43, 48299), (44, 48296), (46, 48278), (52, 48215), (54, 48212), (55, 48194), (64, 48098), (69, 48017),

Gene: Odyssey395_81 Start: 48951, Stop: 48064, Start Num: 7

Candidate Starts for Odyssey395_81:

(3, 48987), (Start: 7 @48951 has 4 MA's), (16, 48810), (18, 48789), (27, 48618), (28, 48615), (29, 48609), (41, 48417), (42, 48414), (43, 48408), (44, 48405), (46, 48387), (52, 48324), (54, 48321), (55, 48303), (59, 48276), (64, 48207), (69, 48126),

Gene: Pointis_76 Start: 48527, Stop: 47640, Start Num: 7

Candidate Starts for Pointis_76:

(Start: 7 @48527 has 4 MA's), (16, 48386), (18, 48365), (27, 48194), (28, 48191), (29, 48185), (41, 47993), (42, 47990), (43, 47984), (44, 47981), (46, 47963), (52, 47900), (54, 47897), (55, 47879), (59, 47852), (64, 47783), (69, 47702),

Gene: Pureglobe5_79 Start: 48971, Stop: 48084, Start Num: 7

Candidate Starts for Pureglobe5_79:

(Start: 7 @48971 has 4 MA's), (16, 48830), (18, 48809), (27, 48638), (28, 48635), (29, 48629), (41, 48437), (42, 48434), (43, 48428), (44, 48425), (46, 48407), (52, 48344), (54, 48341), (55, 48323), (59, 48296), (64, 48227), (69, 48146),

Gene: Ranunculus_73 Start: 51059, Stop: 50235, Start Num: 8

Candidate Starts for Ranunculus_73:

(Start: 8 @51059 has 1 MA's), (10, 51017), (12, 51005), (15, 50954), (18, 50918), (23, 50828), (24, 50819), (37, 50714), (38, 50708), (39, 50702), (51, 50522), (63, 50417), (64, 50399), (73, 50252),

Gene: Rizwana_61 Start: 45189, Stop: 44326, Start Num: 8

Candidate Starts for Rizwana_61:

(Start: 8 @45189 has 1 MA's), (15, 45078), (16, 45063), (22, 44958), (25, 44880), (28, 44868), (47, 44625), (49, 44604), (57, 44547), (58, 44544), (60, 44529), (72, 44364),

Gene: RomansRevenge_63 Start: 45422, Stop: 44724, Start Num: 9

Candidate Starts for RomansRevenge_63:

(1, 45488), (4, 45479), (9, 45422), (11, 45380), (12, 45377), (15, 45314), (19, 45233), (26, 45164), (29, 45152), (31, 45125), (35, 45089), (37, 45068), (41, 44960), (56, 44840), (63, 44771),

Gene: SilentRX_59 Start: 44240, Stop: 43395, Start Num: 2

Candidate Starts for SilentRX_59:

(Start: 2 @44240 has 3 MA's), (6, 44213), (Start: 7 @44204 has 4 MA's), (12, 44129), (18, 44042), (23, 43952), (28, 43928), (36, 43853), (38, 43832), (45, 43715), (51, 43646), (53, 43634), (62, 43547), (64, 43520), (65, 43514), (66, 43475), (67, 43469), (71, 43424),

Gene: Tank_61 Start: 45214, Stop: 44408, Start Num: 2

Candidate Starts for Tank_61:

(Start: 2 @45214 has 3 MA's), (5, 45199), (12, 45133), (13, 45109), (14, 45091), (16, 45067), (17, 45058), (23, 44956), (33, 44884), (34, 44878), (36, 44857), (37, 44842), (38, 44836), (40, 44806), (50, 44668), (51, 44659), (53, 44647), (61, 44596), (63, 44560), (70, 44455),

Gene: Wilde_63 Start: 45513, Stop: 44707, Start Num: 2

Candidate Starts for Wilde_63:

(Start: 2 @45513 has 3 MA's), (5, 45498), (12, 45432), (13, 45408), (14, 45390), (16, 45366), (17, 45357), (23, 45255), (30, 45219), (33, 45183), (34, 45177), (36, 45156), (37, 45141), (38, 45135), (40, 45105), (45, 45018), (50, 44967), (51, 44958), (52, 44949), (53, 44946), (61, 44895), (63, 44859), (70, 44754),