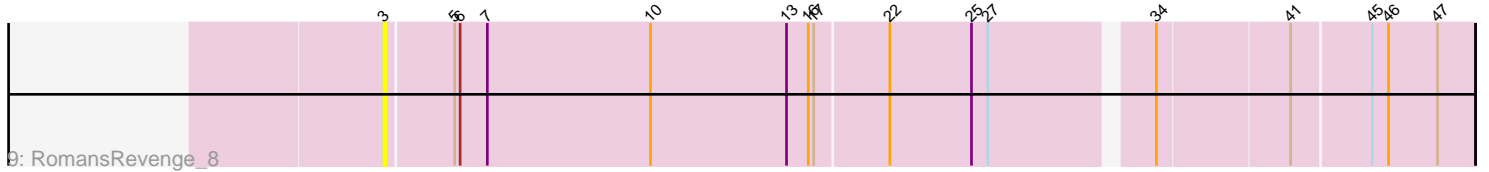
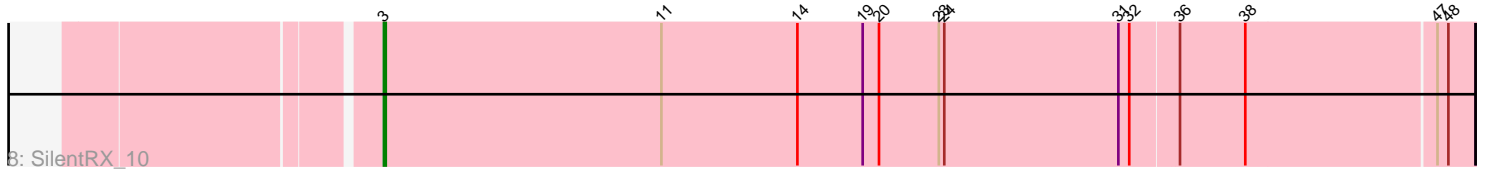
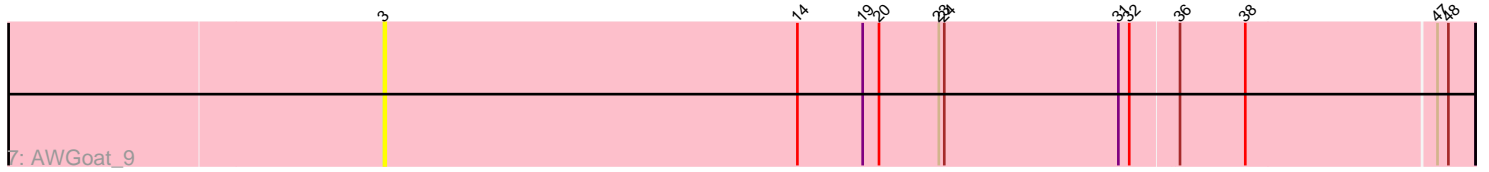
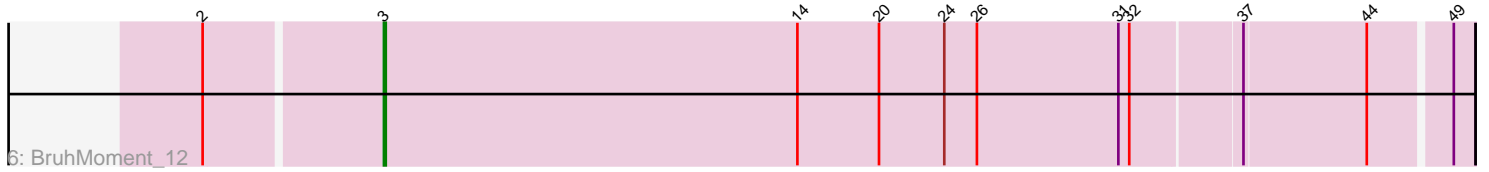
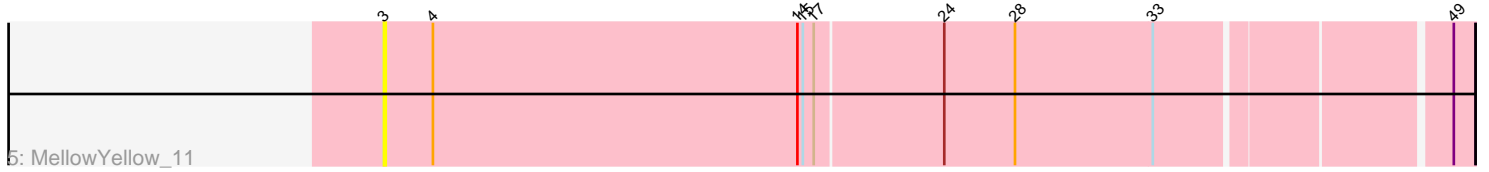
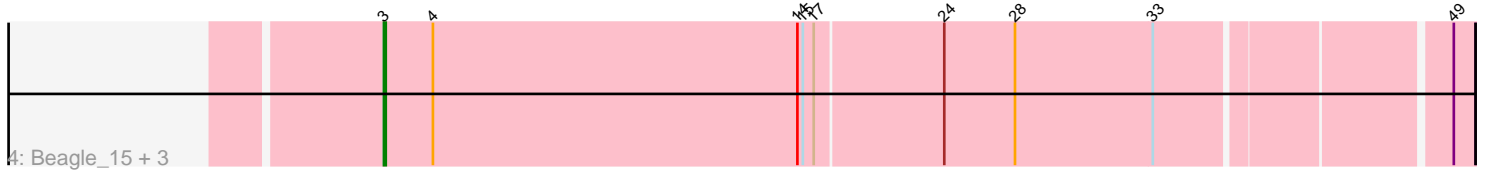
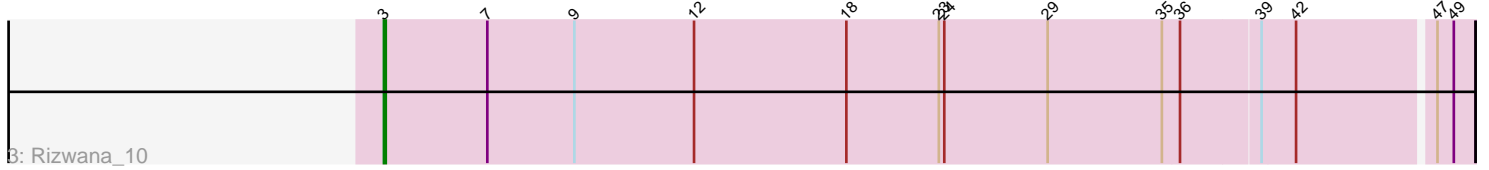
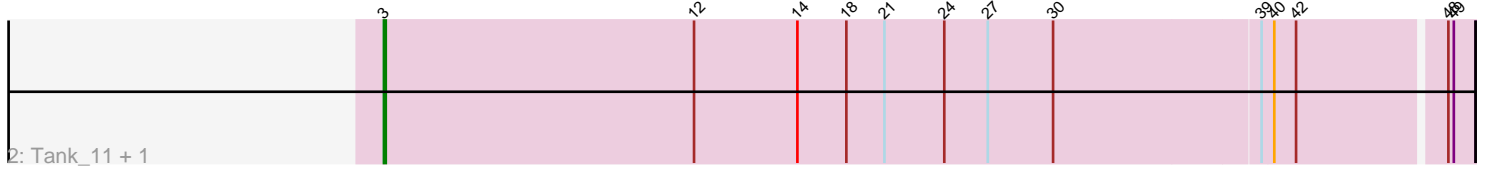
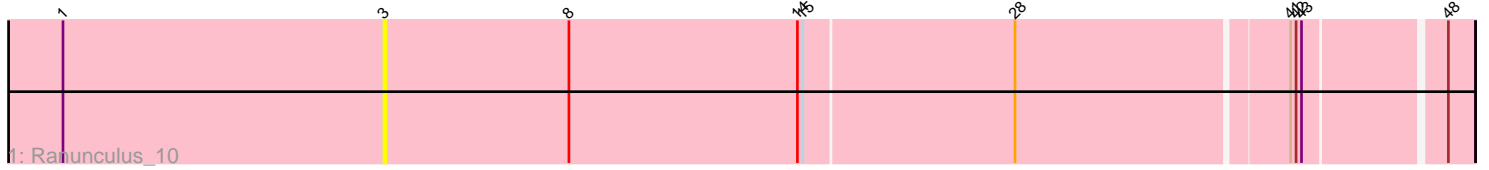


Pham 162302



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 162302 Report

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

Pham number 162302 has 13 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_10
- Track 2 : Tank_11, Wilde_11
- Track 3 : Rizwana_10
- Track 4 : Beagle_15, Pureglobe5_16, Odyssey395_16, Pointis_14
- Track 5 : MellowYellow_11
- Track 6 : BruhMoment_12
- Track 7 : AWGoat_9
- Track 8 : SilentRX_10
- Track 9 : RomansRevenge_8

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

Genes that call this "Most Annotated" start:

- AWGoat_9, Beagle_15, BruhMoment_12, MellowYellow_11, Odyssey395_16, Pointis_14, Pureglobe5_16, Ranunculus_10, Rizwana_10, RomansRevenge_8, SilentRX_10, Tank_11, Wilde_11,

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

-

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

-

Summary by start number:

Start 3:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_9 (AP4), Beagle_15 (AP2), BruhMoment_12 (AP3), MellowYellow_11 (AP2), Odyssey395_16 (AP2), Pointis_14

(AP2), Pureglobe5_16 (AP2), Ranunculus_10 (AP), Rizwana_10 (AP1), RomansRevenge_8 (singleton), SilentRX_10 (AP4), Tank_11 (AP1), Wilde_11 (AP1),

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 3 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_9 Start: 3580, Stop: 4173, Start Num: 3

Candidate Starts for AWGoat_9:

(Start: 3 @3580 has 8 MA's), (14, 3808), (19, 3844), (20, 3853), (23, 3886), (24, 3889), (31, 3985), (32, 3991), (36, 4015), (38, 4051), (47, 4153), (48, 4159),

Gene: Beagle_15 Start: 4696, Stop: 5277, Start Num: 3

Candidate Starts for Beagle_15:

(Start: 3 @4696 has 8 MA's), (4, 4723), (14, 4924), (15, 4927), (17, 4933), (24, 5002), (28, 5041), (33, 5116), (49, 5266),

Gene: BruhMoment_12 Start: 4721, Stop: 5308, Start Num: 3

Candidate Starts for BruhMoment_12:

(2, 4628), (Start: 3 @4721 has 8 MA's), (14, 4949), (20, 4994), (24, 5030), (26, 5048), (31, 5126), (32, 5132), (37, 5189), (44, 5255), (49, 5297),

Gene: MellowYellow_11 Start: 4153, Stop: 4734, Start Num: 3

Candidate Starts for MellowYellow_11:

(Start: 3 @4153 has 8 MA's), (4, 4180), (14, 4381), (15, 4384), (17, 4390), (24, 4459), (28, 4498), (33, 4573), (49, 4723),

Gene: Odyssey395_16 Start: 4894, Stop: 5475, Start Num: 3

Candidate Starts for Odyssey395_16:

(Start: 3 @4894 has 8 MA's), (4, 4921), (14, 5122), (15, 5125), (17, 5131), (24, 5200), (28, 5239), (33, 5314), (49, 5464),

Gene: Pointis_14 Start: 4895, Stop: 5476, Start Num: 3

Candidate Starts for Pointis_14:

(Start: 3 @4895 has 8 MA's), (4, 4922), (14, 5123), (15, 5126), (17, 5132), (24, 5201), (28, 5240), (33, 5315), (49, 5465),

Gene: Pureglobe5_16 Start: 4908, Stop: 5489, Start Num: 3

Candidate Starts for Pureglobe5_16:

(Start: 3 @4908 has 8 MA's), (4, 4935), (14, 5136), (15, 5139), (17, 5145), (24, 5214), (28, 5253), (33, 5328), (49, 5478),

Gene: Ranunculus_10 Start: 4388, Stop: 4969, Start Num: 3

Candidate Starts for Ranunculus_10:

(1, 4211), (Start: 3 @4388 has 8 MA's), (8, 4490), (14, 4616), (15, 4619), (28, 4733), (41, 4877), (42, 4880), (43, 4883), (48, 4955),

Gene: Rizwana_10 Start: 4484, Stop: 5074, Start Num: 3

Candidate Starts for Rizwana_10:

(Start: 3 @4484 has 8 MA's), (7, 4541), (9, 4589), (12, 4655), (18, 4739), (23, 4790), (24, 4793), (29, 4850), (35, 4913), (36, 4922), (39, 4964), (42, 4982), (47, 5054), (49, 5063),

Gene: RomansRevenge_8 Start: 3035, Stop: 3610, Start Num: 3

Candidate Starts for RomansRevenge_8:

(Start: 3 @3035 has 8 MA's), (5, 3071), (6, 3074), (7, 3089), (10, 3179), (13, 3254), (16, 3266), (17, 3269), (22, 3308), (25, 3353), (27, 3362), (34, 3443), (41, 3512), (45, 3554), (46, 3563), (47, 3590),

Gene: SilentRX_10 Start: 3301, Stop: 3894, Start Num: 3

Candidate Starts for SilentRX_10:

(Start: 3 @3301 has 8 MA's), (11, 3454), (14, 3529), (19, 3565), (20, 3574), (23, 3607), (24, 3610), (31, 3706), (32, 3712), (36, 3736), (38, 3772), (47, 3874), (48, 3880),

Gene: Tank_11 Start: 4502, Stop: 5092, Start Num: 3

Candidate Starts for Tank_11:

(Start: 3 @4502 has 8 MA's), (12, 4673), (14, 4730), (18, 4757), (21, 4778), (24, 4811), (27, 4835), (30, 4871), (39, 4982), (40, 4988), (42, 5000), (48, 5078), (49, 5081),

Gene: Wilde_11 Start: 4430, Stop: 5020, Start Num: 3

Candidate Starts for Wilde_11:

(Start: 3 @4430 has 8 MA's), (12, 4601), (14, 4658), (18, 4685), (21, 4706), (24, 4739), (27, 4763), (30, 4799), (39, 4910), (40, 4916), (42, 4928), (48, 5006), (49, 5009),