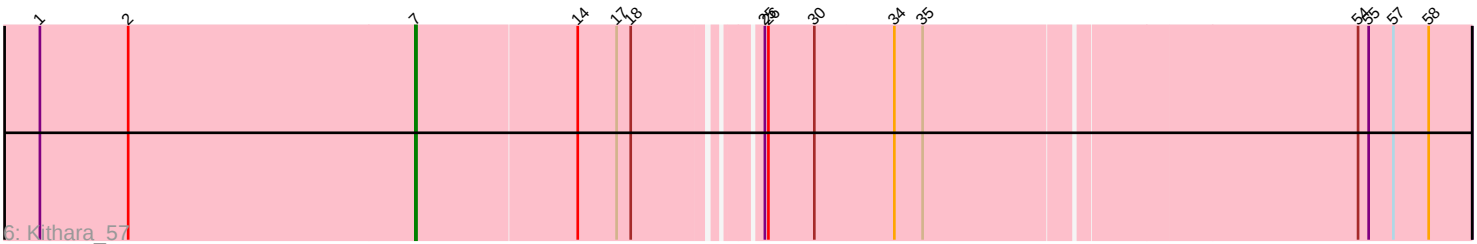
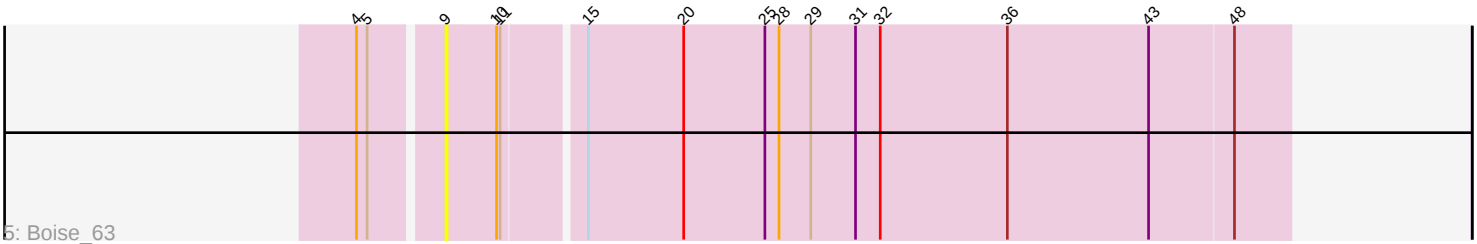
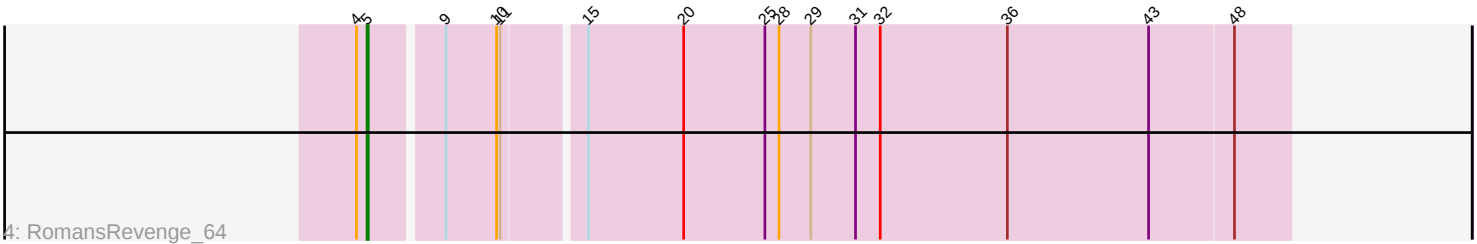
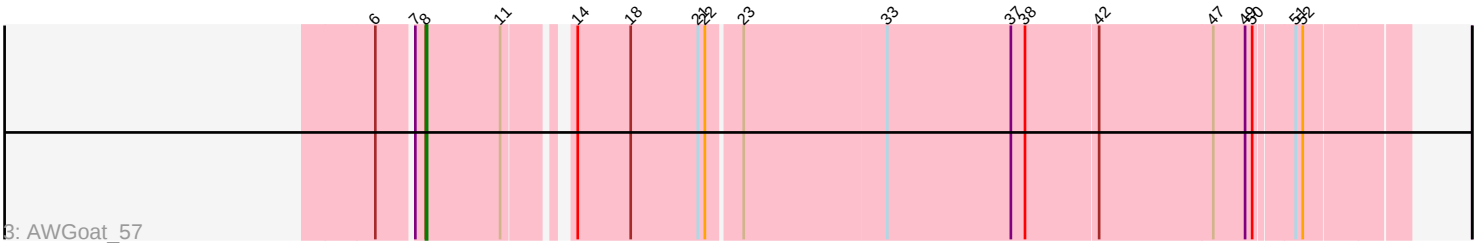
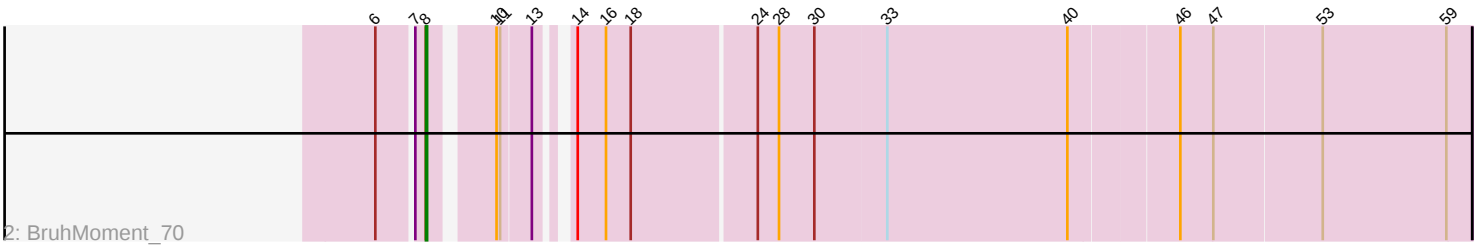
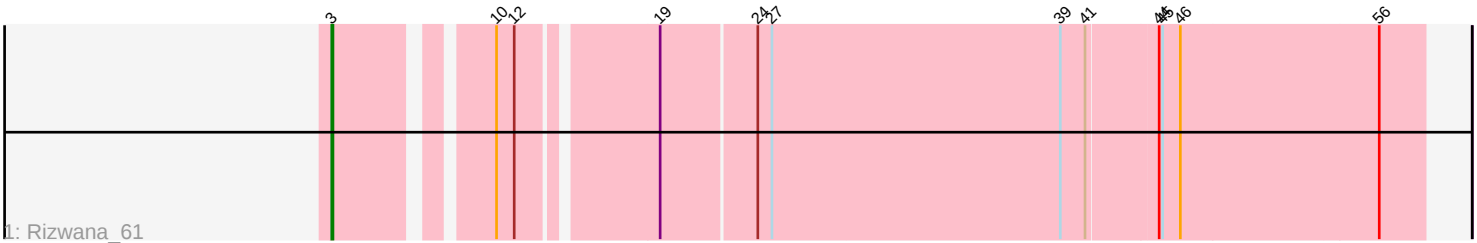


Pham 331680



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 331680 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331680 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Rizwana_61
- Track 2 : BruhMoment_70
- Track 3 : AWGoat_57
- Track 4 : RomansRevenge_64
- Track 5 : Boise_63
- Track 6 : Kithara_57

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

The start number called the most often in the published annotations is 8, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AWGoat_57, BruhMoment_70,

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

-

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

- Boise_63, Kithara_57, Rizwana_61, RomansRevenge_64,

Summary by start number:

Start 3:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rizwana_61 (AP1),

Start 5:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: RomansRevenge_64 (FT),

Start 7:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Kithara_57 (singleton),

Start 8:

- Found in 2 of 6 (33.3%) 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_57 (AP4), BruhMoment_70 (AP3),

Start 9:

- Found in 2 of 6 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Boise_63 (FT),

Summary by clusters:

There are 5 clusters represented in this pham: AP3, singleton, AP1, FT, AP4,

Info for manual annotations of cluster AP1:

- Start number 3 was manually annotated 1 time for cluster AP1.

Info for manual annotations of cluster AP3:

- Start number 8 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 8 was manually annotated 1 time for cluster AP4.

Info for manual annotations of cluster FT:

- Start number 5 was manually annotated 1 time for cluster FT.

Gene Information:

Gene: AWGoat_57 Start: 42937, Stop: 42152, Start Num: 8

Candidate Starts for AWGoat_57:

(6, 42973), (Start: 7 @42946 has 1 MA's), (Start: 8 @42937 has 2 MA's), (11, 42874), (14, 42832), (18, 42787), (21, 42730), (22, 42724), (23, 42697), (33, 42577), (37, 42472), (38, 42460), (42, 42400), (47, 42304), (49, 42277), (50, 42271), (51, 42241), (52, 42235),

Gene: Boise_63 Start: 45422, Stop: 44724, Start Num: 9

Candidate Starts for Boise_63:

(4, 45488), (Start: 5 @45479 has 1 MA's), (9, 45422), (10, 45380), (11, 45377), (15, 45314), (20, 45233), (25, 45164), (28, 45152), (29, 45125), (31, 45089), (32, 45068), (36, 44960), (43, 44840), (48, 44771),

Gene: BruhMoment_70 Start: 47914, Stop: 47087, Start Num: 8

Candidate Starts for BruhMoment_70:

(6, 47950), (Start: 7 @47923 has 1 MA's), (Start: 8 @47914 has 2 MA's), (10, 47869), (11, 47866), (13, 47842), (14, 47824), (16, 47800), (18, 47779), (24, 47677), (28, 47659), (30, 47629), (33, 47569), (40, 47416), (46, 47329), (47, 47302), (53, 47212), (59, 47107),

Gene: Kithara_57 Start: 44025, Stop: 43174, Start Num: 7

Candidate Starts for Kithara_57:

(1, 44343), (2, 44268), (Start: 7 @44025 has 1 MA's), (14, 43890), (17, 43857), (18, 43845), (25, 43755), (26, 43752), (30, 43713), (34, 43647), (35, 43623), (54, 43269), (55, 43260), (57, 43239), (58, 43209),

Gene: Rizwana_61 Start: 45189, Stop: 44326, Start Num: 3

Candidate Starts for Rizwana_61:

(Start: 3 @45189 has 1 MA's), (10, 45078), (12, 45063), (19, 44958), (24, 44880), (27, 44868), (39, 44625), (41, 44604), (44, 44547), (45, 44544), (46, 44529), (56, 44364),

Gene: RomansRevenge_64 Start: 45479, Stop: 44724, Start Num: 5

Candidate Starts for RomansRevenge_64:

(4, 45488), (Start: 5 @45479 has 1 MA's), (9, 45422), (10, 45380), (11, 45377), (15, 45314), (20, 45233), (25, 45164), (28, 45152), (29, 45125), (31, 45089), (32, 45068), (36, 44960), (43, 44840), (48, 44771),