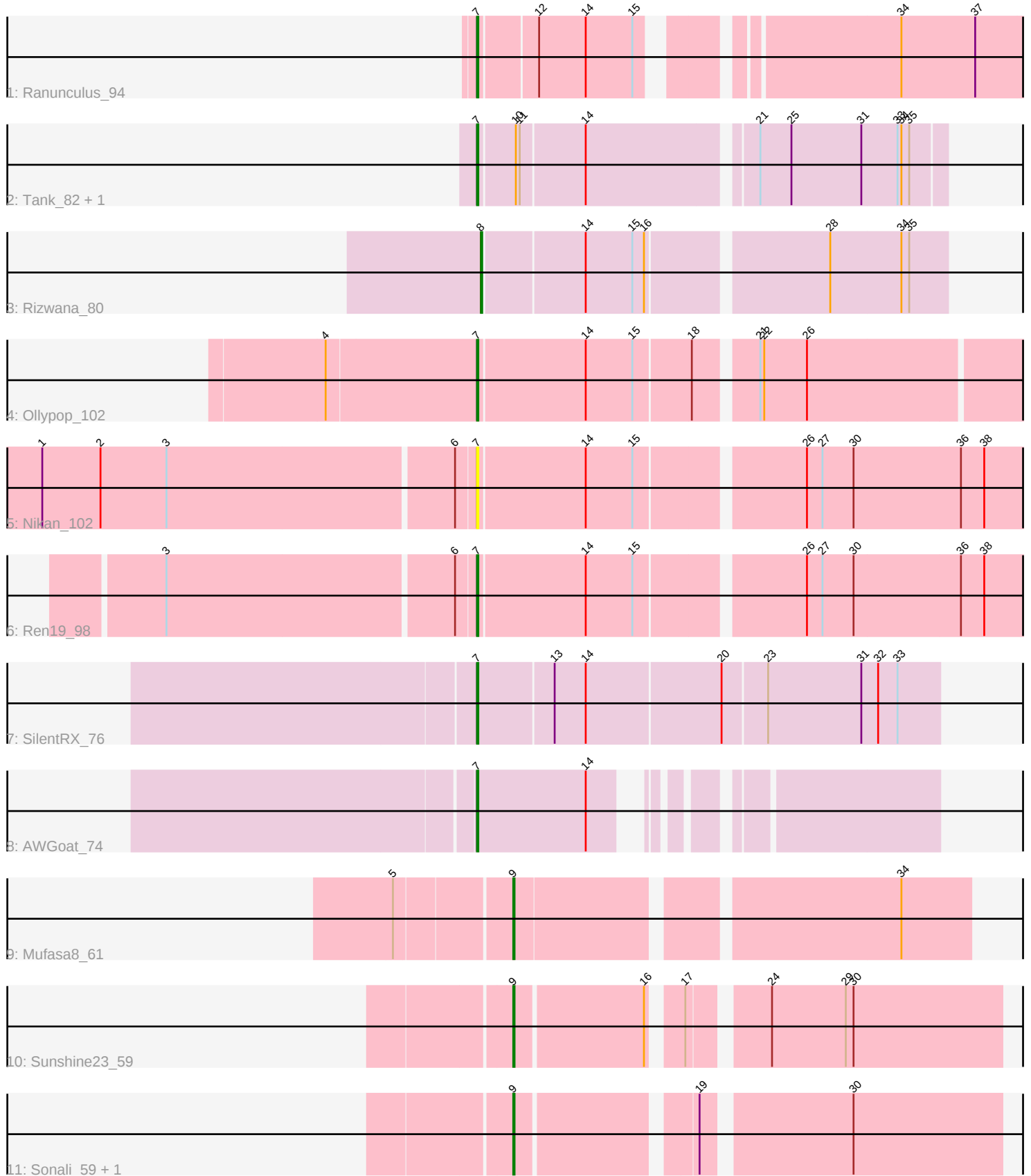


Pham 309613



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 309613 Report

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

Pham number 309613 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_94
- Track 2 : Tank_82, Wilde_84
- Track 3 : Rizwana_80
- Track 4 : Ollypop_102
- Track 5 : Nikan_102
- Track 6 : Ren19_98
- Track 7 : SilentRX_76
- Track 8 : AWGoat_74
- Track 9 : Mufasa8_61
- Track 10 : Sunshine23_59
- Track 11 : Sonali_59, Maruru_59

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 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AWGoat_74, Nikan_102, Ollypop_102, Ranunculus_94, Ren19_98, SilentRX_76, Tank_82, Wilde_84,

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

-

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

- Maruru_59, Mufasa8_61, Rizwana_80, Sonali_59, Sunshine23_59,

Summary by start number:

Start 7:

- Found in 8 of 13 (61.5%) of genes in pham
- Manual Annotations of this start: 7 of 12
- Called 100.0% of time when present

- Phage (with cluster) where this start called: AWGoat_74 (AP4), Nikan_102 (AP2), Ollypop_102 (AP2), Ranunculus_94 (AP), Ren19_98 (AP2), SilentRX_76 (AP4), Tank_82 (AP1), Wilde_84 (AP1),

Start 8:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rizwana_80 (AP1),

Start 9:

- Found in 4 of 13 (30.8%) of genes in pham
- Manual Annotations of this start: 4 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Maruru_59 (FG), Mufasa8_61 (FG), Sonali_59 (FG), Sunshine23_59 (FG),

Summary by clusters:

There are 5 clusters represented in this pham: AP2, AP, AP1, AP4, FG,

Info for manual annotations of cluster AP:

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

Info for manual annotations of cluster AP1:

- Start number 7 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 2 times for cluster AP2.

Info for manual annotations of cluster AP4:

- Start number 7 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster FG:

- Start number 9 was manually annotated 4 times for cluster FG.

Gene Information:

Gene: AWGoat_74 Start: 51930, Stop: 51634, Start Num: 7

Candidate Starts for AWGoat_74:

(Start: 7 @51930 has 7 MA's), (14, 51846),

Gene: Maruru_59 Start: 42869, Stop: 43210, Start Num: 9

Candidate Starts for Maruru_59:

(Start: 9 @42869 has 4 MA's), (19, 42992), (30, 43097),

Gene: Mufasa8_61 Start: 41760, Stop: 42086, Start Num: 9

Candidate Starts for Mufasa8_61:

(5, 41676), (Start: 9 @41760 has 4 MA's), (34, 42033),

Gene: Nikan_102 Start: 62239, Stop: 61829, Start Num: 7

Candidate Starts for Nikan_102:

(1, 62566), (2, 62521), (3, 62470), (6, 62254), (Start: 7 @62239 has 7 MA's), (14, 62158), (15, 62122), (26, 62002), (27, 61990), (30, 61966), (36, 61885), (38, 61867),

Gene: Ollypop_102 Start: 63578, Stop: 63174, Start Num: 7

Candidate Starts for Ollypop_102:

(4, 63692), (Start: 7 @63578 has 7 MA's), (14, 63497), (15, 63461), (18, 63419), (21, 63377), (22, 63374), (26, 63341),

Gene: Ranunculus_94 Start: 63058, Stop: 62666, Start Num: 7

Candidate Starts for Ranunculus_94:

(Start: 7 @63058 has 7 MA's), (12, 63016), (14, 62980), (15, 62944), (34, 62776), (37, 62719),

Gene: Ren19_98 Start: 61264, Stop: 60854, Start Num: 7

Candidate Starts for Ren19_98:

(3, 61495), (6, 61279), (Start: 7 @61264 has 7 MA's), (14, 61183), (15, 61147), (26, 61027), (27, 61015), (30, 60991), (36, 60910), (38, 60892),

Gene: Rizwana_80 Start: 55961, Stop: 55623, Start Num: 8

Candidate Starts for Rizwana_80:

(Start: 8 @55961 has 1 MA's), (14, 55886), (15, 55850), (16, 55841), (28, 55712), (34, 55658), (35, 55652),

Gene: SilentRX_76 Start: 52808, Stop: 52461, Start Num: 7

Candidate Starts for SilentRX_76:

(Start: 7 @52808 has 7 MA's), (13, 52751), (14, 52727), (20, 52625), (23, 52592), (31, 52520), (32, 52508), (33, 52493),

Gene: Sonali_59 Start: 43322, Stop: 43663, Start Num: 9

Candidate Starts for Sonali_59:

(Start: 9 @43322 has 4 MA's), (19, 43445), (30, 43550),

Gene: Sunshine23_59 Start: 43006, Stop: 43347, Start Num: 9

Candidate Starts for Sunshine23_59:

(Start: 9 @43006 has 4 MA's), (16, 43102), (17, 43120), (24, 43171), (29, 43228), (30, 43234),

Gene: Tank_82 Start: 56996, Stop: 56658, Start Num: 7

Candidate Starts for Tank_82:

(Start: 7 @56996 has 7 MA's), (10, 56969), (11, 56966), (14, 56918), (21, 56798), (25, 56774), (31, 56720), (33, 56693), (34, 56690), (35, 56684),

Gene: Wilde_84 Start: 57340, Stop: 57002, Start Num: 7

Candidate Starts for Wilde_84:

(Start: 7 @57340 has 7 MA's), (10, 57313), (11, 57310), (14, 57262), (21, 57142), (25, 57118), (31, 57064), (33, 57037), (34, 57034), (35, 57028),