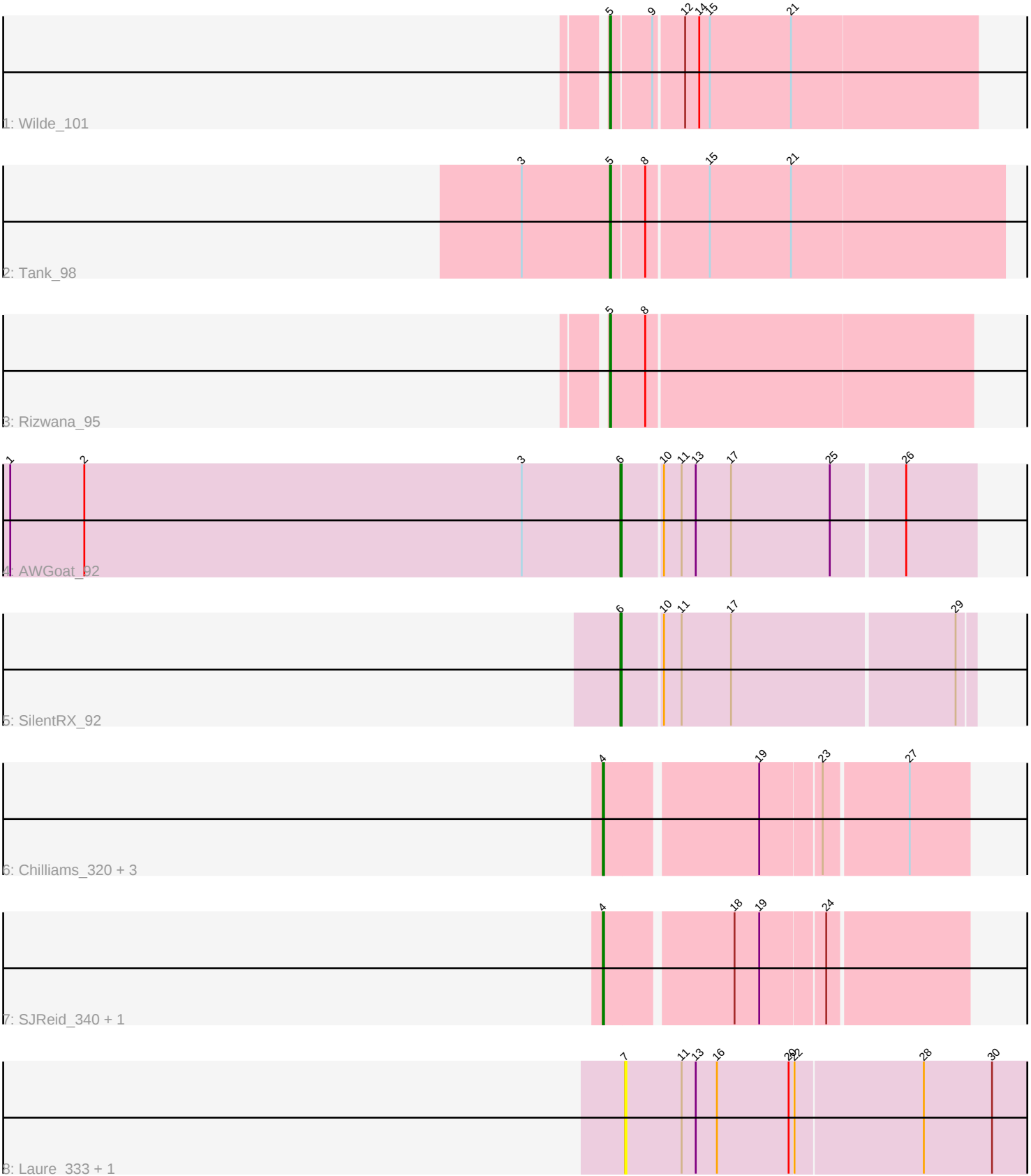


Pham 309571



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 309571 Report

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

Pham number 309571 has 13 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Wilde_101
- Track 2 : Tank_98
- Track 3 : Rizwana_95
- Track 4 : AWGoat_92
- Track 5 : SilentRX_92
- Track 6 : Chilliams_320, Rockabye_29, Chilliams_29, Rockabye_326
- Track 7 : SJReid_340, SJReid_31
- Track 8 : Laure_333, Laure_15

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

The start number called the most often in the published annotations is 4, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chilliams_29, Chilliams_320, Rockabye_29, Rockabye_326, SJReid_31, SJReid_340,

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

-

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

- AWGoat_92, Laure_15, Laure_333, Rizwana_95, SilentRX_92, Tank_98, Wilde_101,

Summary by start number:

Start 4:

- Found in 6 of 13 (46.2%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chilliams_29 (FC), Chilliams_320 (FC), Rockabye_29 (FC), Rockabye_326 (FC), SJReid_31 (FC), SJReid_340 (FC),

Start 5:

- Found in 3 of 13 (23.1%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rizwana_95 (AP1), Tank_98 (AP1), Wilde_101 (AP1),

Start 6:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_92 (AP4), SilentRX_92 (AP4),

Start 7:

- Found in 2 of 13 (15.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Laure_15 (UNK), Laure_333 (UNK),

Summary by clusters:

There are 4 clusters represented in this pham: FC, UNK, AP1, AP4,

Info for manual annotations of cluster AP1:

- Start number 5 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP4:

- Start number 6 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster FC:

- Start number 4 was manually annotated 4 times for cluster FC.

Gene Information:

Gene: AWGoat_92 Start: 59820, Stop: 59527, Start Num: 6

Candidate Starts for AWGoat_92:

(1, 60339), (2, 60276), (3, 59904), (Start: 6 @59820 has 2 MA's), (10, 59787), (11, 59772), (13, 59760), (17, 59730), (25, 59646), (26, 59586),

Gene: Chilliams_320 Start: 186305, Stop: 186595, Start Num: 4

Candidate Starts for Chilliams_320:

(Start: 4 @186305 has 4 MA's), (19, 186428), (23, 186476), (27, 186545),

Gene: Chilliams_29 Start: 13571, Stop: 13861, Start Num: 4

Candidate Starts for Chilliams_29:

(Start: 4 @13571 has 4 MA's), (19, 13694), (23, 13742), (27, 13811),

Gene: Laure_333 Start: 175219, Stop: 175563, Start Num: 7

Candidate Starts for Laure_333:

(7, 175219), (11, 175267), (13, 175279), (16, 175297), (20, 175357), (22, 175360), (28, 175465), (30, 175522),

Gene: Laure_15 Start: 6871, Stop: 7215, Start Num: 7

Candidate Starts for Laure_15:

(7, 6871), (11, 6919), (13, 6931), (16, 6949), (20, 7009), (22, 7012), (28, 7117), (30, 7174),

Gene: Rizwana_95 Start: 62147, Stop: 61845, Start Num: 5

Candidate Starts for Rizwana_95:

(Start: 5 @62147 has 3 MA's), (8, 62117),

Gene: Rockabye_29 Start: 13650, Stop: 13940, Start Num: 4

Candidate Starts for Rockabye_29:

(Start: 4 @13650 has 4 MA's), (19, 13773), (23, 13821), (27, 13890),

Gene: Rockabye_326 Start: 186263, Stop: 186553, Start Num: 4

Candidate Starts for Rockabye_326:

(Start: 4 @186263 has 4 MA's), (19, 186386), (23, 186434), (27, 186503),

Gene: SJReid_340 Start: 186705, Stop: 186995, Start Num: 4

Candidate Starts for SJReid_340:

(Start: 4 @186705 has 4 MA's), (18, 186807), (19, 186828), (24, 186879),

Gene: SJReid_31 Start: 13866, Stop: 14156, Start Num: 4

Candidate Starts for SJReid_31:

(Start: 4 @13866 has 4 MA's), (18, 13968), (19, 13989), (24, 14040),

Gene: SilentRX_92 Start: 60023, Stop: 59733, Start Num: 6

Candidate Starts for SilentRX_92:

(Start: 6 @60023 has 2 MA's), (10, 59990), (11, 59975), (17, 59933), (29, 59747),

Gene: Tank_98 Start: 63832, Stop: 63506, Start Num: 5

Candidate Starts for Tank_98:

(3, 63907), (Start: 5 @63832 has 3 MA's), (8, 63805), (15, 63754), (21, 63685),

Gene: Wilde_101 Start: 64367, Stop: 64065, Start Num: 5

Candidate Starts for Wilde_101:

(Start: 5 @64367 has 3 MA's), (9, 64334), (12, 64310), (14, 64298), (15, 64289), (21, 64220),