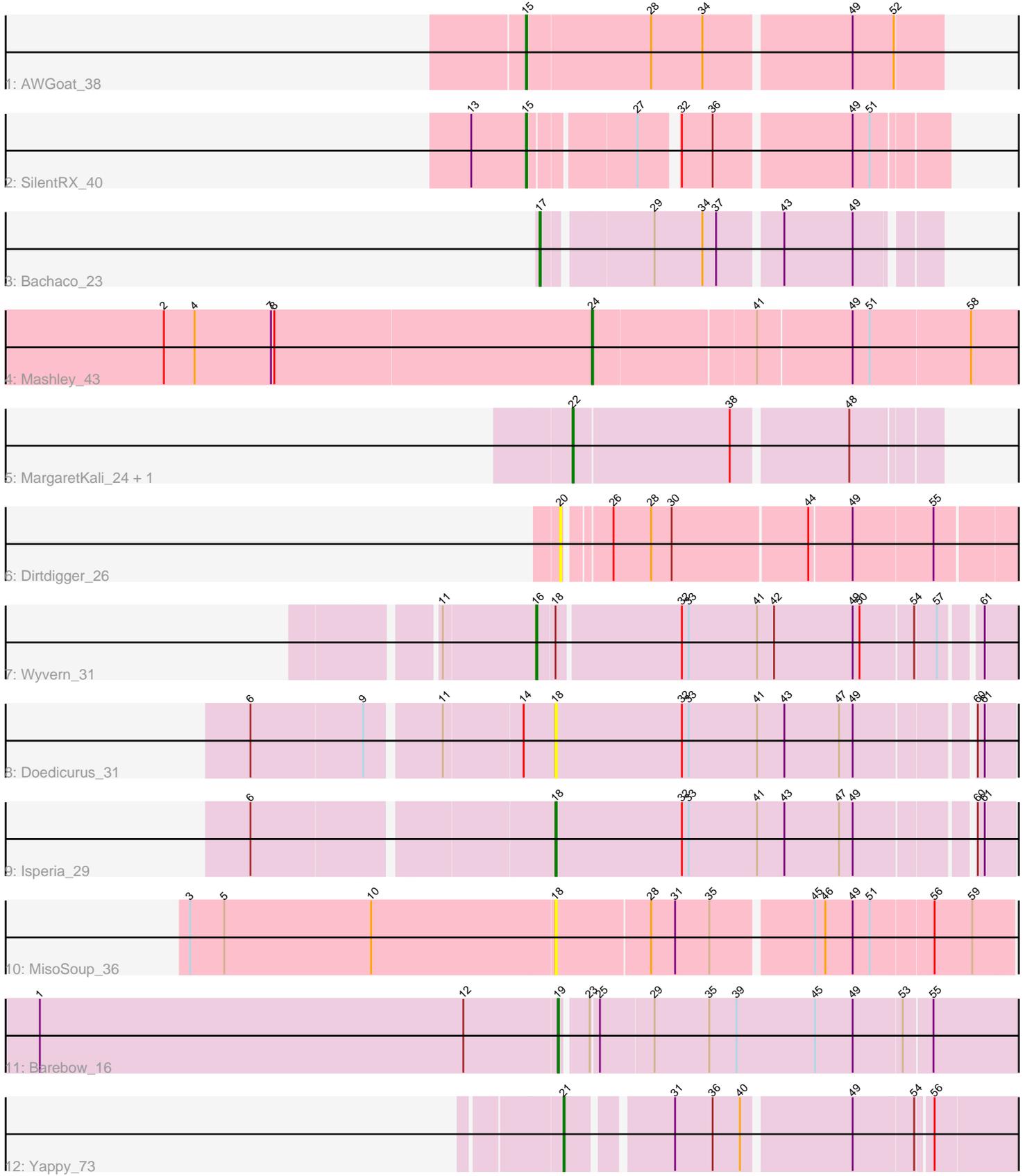


Pham 291683



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 291683 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291683 has 13 members, 3 are drafts.

Phages represented in each track:

- Track 1 : AWGoat_38
- Track 2 : SilentRX_40
- Track 3 : Bachaco_23
- Track 4 : Mashley_43
- Track 5 : MargaretKali_24, Kumotta_24
- Track 6 : Dirdigger_26
- Track 7 : Wyvern_31
- Track 8 : Doedicurus_31
- Track 9 : Isperia_29
- Track 10 : MisoSoup_36
- Track 11 : Barebow_16
- Track 12 : Yappy_73

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

The start number called the most often in the published annotations is 15, it was called in 2 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AWGoat_38, SilentRX_40,

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

-

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

- Bachaco_23, Barebow_16, Dirdigger_26, Doedicurus_31, Isperia_29, Kumotta_24, MargaretKali_24, Mashley_43, MisoSoup_36, Wyvern_31, Yappy_73,

Summary by start number:

Start 15:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present

- Phage (with cluster) where this start called: AWGoat_38 (AP4), SilentRX_40 (AP4),

Start 16:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wyvern_31 (GJ),

Start 17:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bachaco_23 (EB),

Start 18:

- Found in 4 of 13 (30.8%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Doedicurus_31 (GJ), Isperia_29 (GJ), MisoSoup_36 (GM),

Start 19:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barebow_16 (singleton),

Start 20:

- 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: Dirtdigger_26 (FF),

Start 21:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yappy_73 (singleton),

Start 22:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumotta_24 (FB), MargaretKali_24 (FB),

Start 24:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mashley_43 (EG),

Summary by clusters:

There are 8 clusters represented in this pham: singleton, EG, AP4, EB, FB, FF, GM, GJ,

Info for manual annotations of cluster AP4:

- Start number 15 was manually annotated 2 times for cluster AP4.

Info for manual annotations of cluster EB:

- Start number 17 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster EG:

- Start number 24 was manually annotated 1 time for cluster EG.

Info for manual annotations of cluster FB:

- Start number 22 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster GJ:

- Start number 16 was manually annotated 1 time for cluster GJ.
- Start number 18 was manually annotated 1 time for cluster GJ.

Gene Information:

Gene: AWGoat_38 Start: 34355, Stop: 34708, Start Num: 15

Candidate Starts for AWGoat_38:

(Start: 15 @34355 has 2 MA's), (28, 34463), (34, 34508), (49, 34631), (52, 34667),

Gene: Bachaco_23 Start: 20374, Stop: 20691, Start Num: 17

Candidate Starts for Bachaco_23:

(Start: 17 @20374 has 1 MA's), (29, 20461), (34, 20503), (37, 20515), (43, 20566), (49, 20626),

Gene: Barebow_16 Start: 13052, Stop: 13462, Start Num: 19

Candidate Starts for Barebow_16:

(1, 12599), (12, 12971), (Start: 19 @13052 has 1 MA's), (23, 13073), (25, 13079), (29, 13124), (35, 13172), (39, 13196), (45, 13265), (49, 13298), (53, 13340), (55, 13364),

Gene: Dirdigger_26 Start: 19487, Stop: 19855, Start Num: 20

Candidate Starts for Dirdigger_26:

(20, 19487), (26, 19520), (28, 19553), (30, 19571), (44, 19685), (49, 19721), (55, 19790),

Gene: Doedicurus_31 Start: 20880, Stop: 21266, Start Num: 18

Candidate Starts for Doedicurus_31:

(6, 20634), (9, 20730), (11, 20787), (14, 20853), (Start: 18 @20880 has 1 MA's), (32, 20991), (33, 20997), (41, 21057), (43, 21081), (47, 21129), (49, 21141), (60, 21234), (61, 21240),

Gene: Isperia_29 Start: 20187, Stop: 20573, Start Num: 18

Candidate Starts for Isperia_29:

(6, 19941), (Start: 18 @20187 has 1 MA's), (32, 20298), (33, 20304), (41, 20364), (43, 20388), (47, 20436), (49, 20448), (60, 20541), (61, 20547),

Gene: Kumotta_24 Start: 18861, Stop: 19166, Start Num: 22

Candidate Starts for Kumotta_24:

(Start: 22 @18861 has 2 MA's), (38, 18996), (48, 19092),

Gene: MargaretKali_24 Start: 18496, Stop: 18801, Start Num: 22

Candidate Starts for MargaretKali_24:

(Start: 22 @18496 has 2 MA's), (38, 18631), (48, 18727),

Gene: Mashley_43 Start: 34157, Stop: 34516, Start Num: 24

Candidate Starts for Mashley_43:

(2, 33788), (4, 33815), (7, 33881), (8, 33884), (Start: 24 @34157 has 1 MA's), (41, 34292), (49, 34373), (51, 34388), (58, 34475),

Gene: MisoSoup_36 Start: 27160, Stop: 27543, Start Num: 18

Candidate Starts for MisoSoup_36:

(3, 26842), (5, 26872), (10, 27001), (Start: 18 @27160 has 1 MA's), (28, 27241), (31, 27262), (35, 27292), (45, 27376), (46, 27385), (49, 27409), (51, 27424), (56, 27475), (59, 27508),

Gene: SilentRX_40 Start: 35414, Stop: 35743, Start Num: 15

Candidate Starts for SilentRX_40:

(13, 35366), (Start: 15 @35414 has 2 MA's), (27, 35498), (32, 35525), (36, 35552), (49, 35666), (51, 35681),

Gene: Wyvern_31 Start: 21316, Stop: 21717, Start Num: 16

Candidate Starts for Wyvern_31:

(11, 21238), (Start: 16 @21316 has 1 MA's), (Start: 18 @21331 has 1 MA's), (32, 21436), (33, 21442), (41, 21502), (42, 21517), (49, 21586), (50, 21592), (54, 21637), (57, 21655), (61, 21685),

Gene: Yappy_73 Start: 34287, Stop: 34649, Start Num: 21

Candidate Starts for Yappy_73:

(Start: 21 @34287 has 1 MA's), (31, 34368), (36, 34401), (40, 34425), (49, 34515), (54, 34566), (56, 34578),