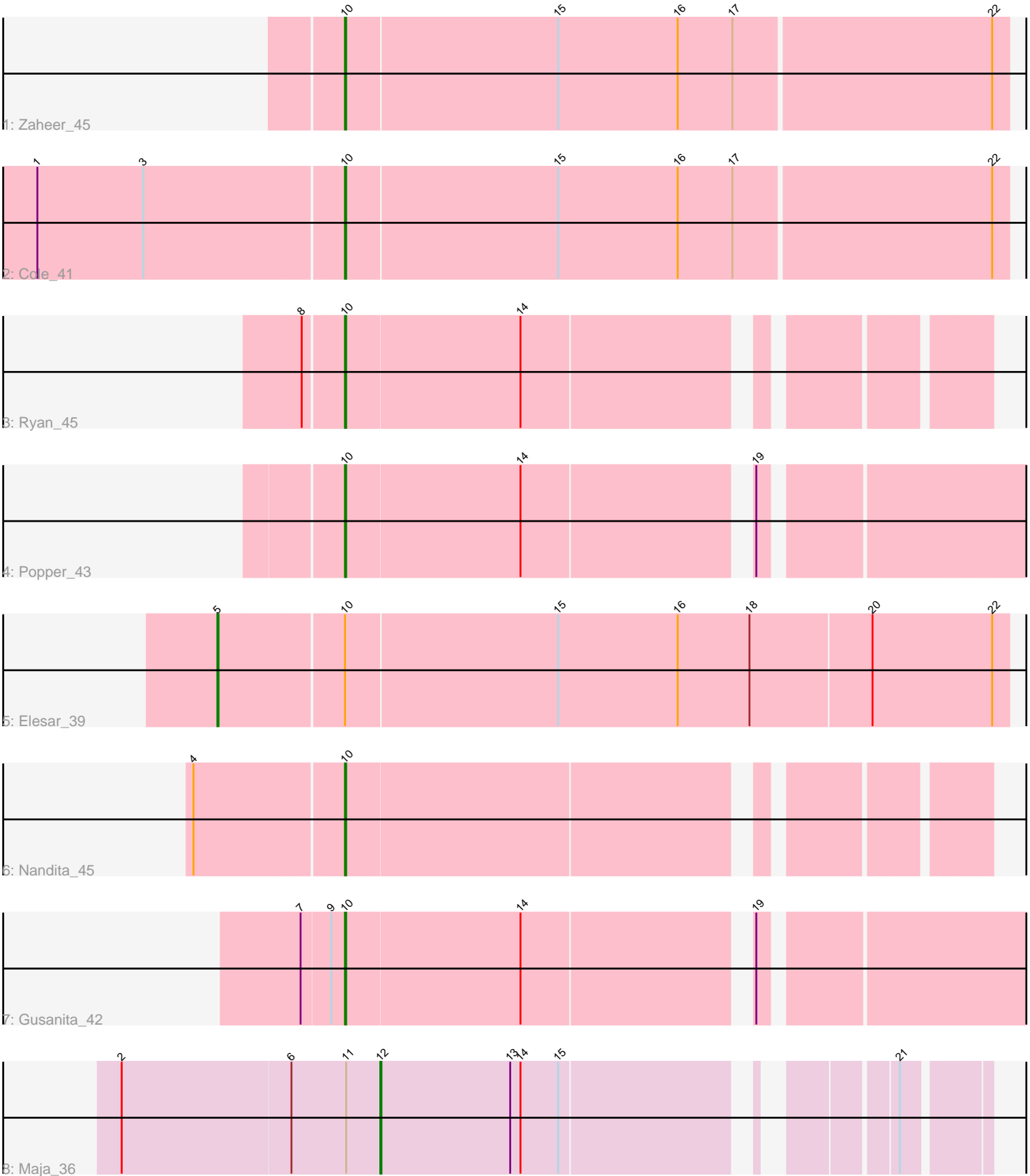


Pham 95673



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 95673 Report

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

Pham number 95673 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Zaheer_45
- Track 2 : Cole_41
- Track 3 : Ryan_45
- Track 4 : Popper_43
- Track 5 : Elesar_39
- Track 6 : Nandita_45
- Track 7 : Gusanita_42
- Track 8 : Maja_36

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

The start number called the most often in the published annotations is 10, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cole_41, Gusanita_42, Nandita_45, Popper_43, Ryan_45, Zaheer_45,

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

- Elesar_39,

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

- Maja_36,

Summary by start number:

Start 5:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elesar_39 (FF),

Start 10:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 6 of 8

- Called 85.7% of time when present
- Phage (with cluster) where this start called: Cole_41 (FF), Gusanita_42 (FF), Nandita_45 (FF), Popper_43 (FF), Ryan_45 (FF), Zaheer_45 (FF),

Start 12:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Maja_36 (FO),

Summary by clusters:

There are 2 clusters represented in this pham: FF, FO,

Info for manual annotations of cluster FF:

- Start number 5 was manually annotated 1 time for cluster FF.
- Start number 10 was manually annotated 6 times for cluster FF.

Info for manual annotations of cluster FO:

- Start number 12 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: Cole_41 Start: 30300, Stop: 30872, Start Num: 10

Candidate Starts for Cole_41:

(1, 30036), (3, 30129), (Start: 10 @30300 has 6 MA's), (15, 30483), (16, 30588), (17, 30636), (22, 30858),

Gene: Elesar_39 Start: 31255, Stop: 31935, Start Num: 5

Candidate Starts for Elesar_39:

(Start: 5 @31255 has 1 MA's), (Start: 10 @31360 has 6 MA's), (15, 31543), (16, 31648), (18, 31711), (20, 31816), (22, 31921),

Gene: Gusanita_42 Start: 30992, Stop: 31609, Start Num: 10

Candidate Starts for Gusanita_42:

(7, 30956), (9, 30980), (Start: 10 @30992 has 6 MA's), (14, 31142), (19, 31325),

Gene: Maja_36 Start: 27371, Stop: 27832, Start Num: 12

Candidate Starts for Maja_36:

(2, 27146), (6, 27293), (11, 27341), (Start: 12 @27371 has 1 MA's), (13, 27485), (14, 27494), (15, 27527), (21, 27767),

Gene: Nandita_45 Start: 30585, Stop: 31091, Start Num: 10

Candidate Starts for Nandita_45:

(4, 30459), (Start: 10 @30585 has 6 MA's),

Gene: Popper_43 Start: 30514, Stop: 31131, Start Num: 10

Candidate Starts for Popper_43:

(Start: 10 @30514 has 6 MA's), (14, 30664), (19, 30847),

Gene: Ryan_45 Start: 31133, Stop: 31639, Start Num: 10

Candidate Starts for Ryan_45:

(8, 31100), (Start: 10 @31133 has 6 MA's), (14, 31283),

Gene: Zaheer_45 Start: 31748, Stop: 32320, Start Num: 10

Candidate Starts for Zaheer_45:

(Start: 10 @31748 has 6 MA's), (15, 31931), (16, 32036), (17, 32084), (22, 32306),