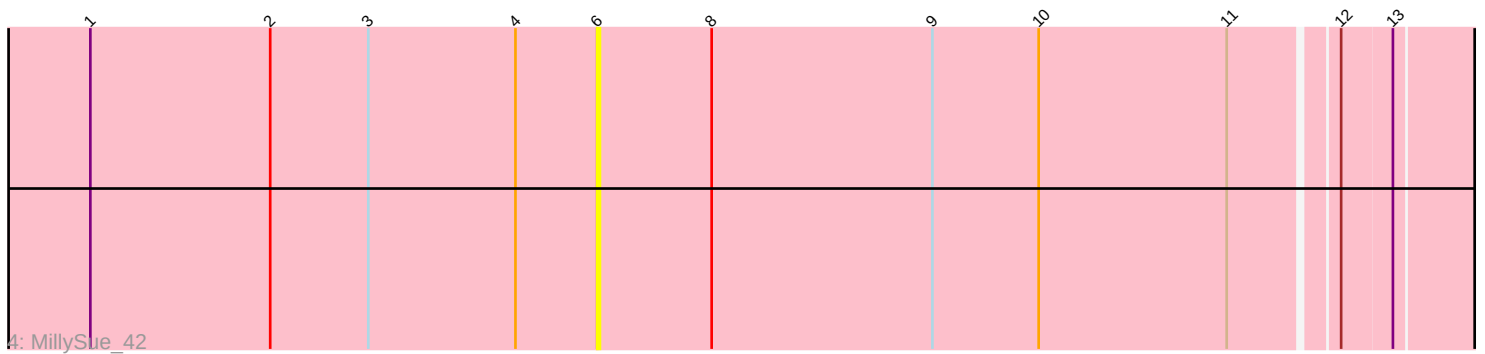
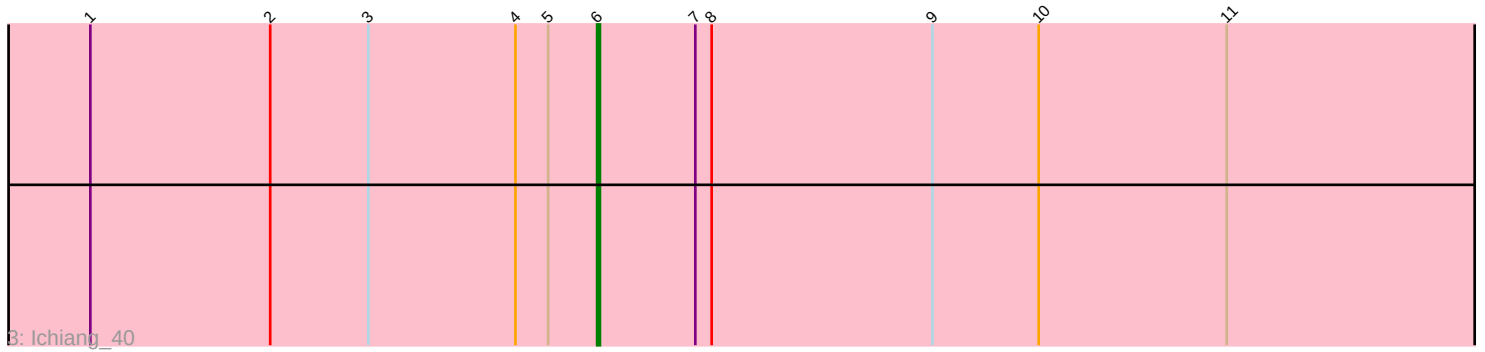
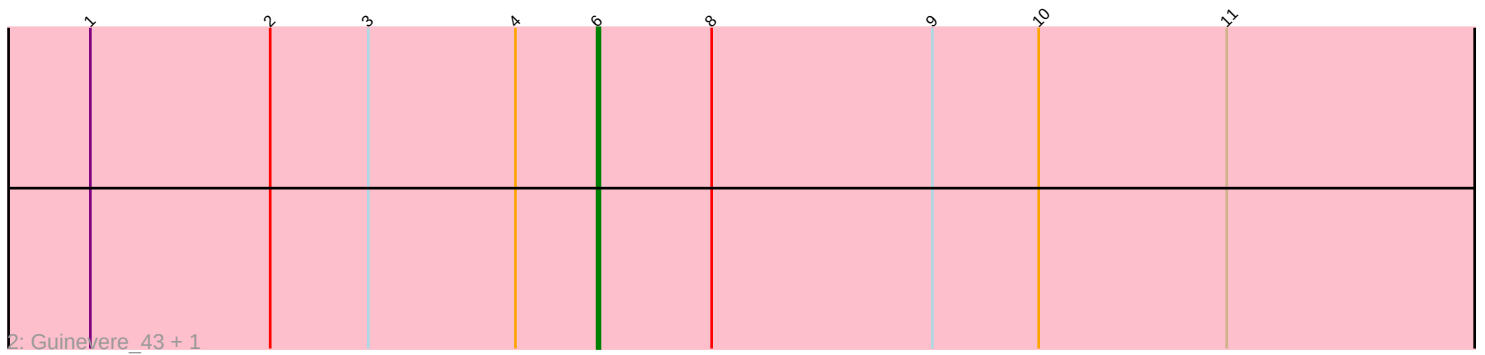
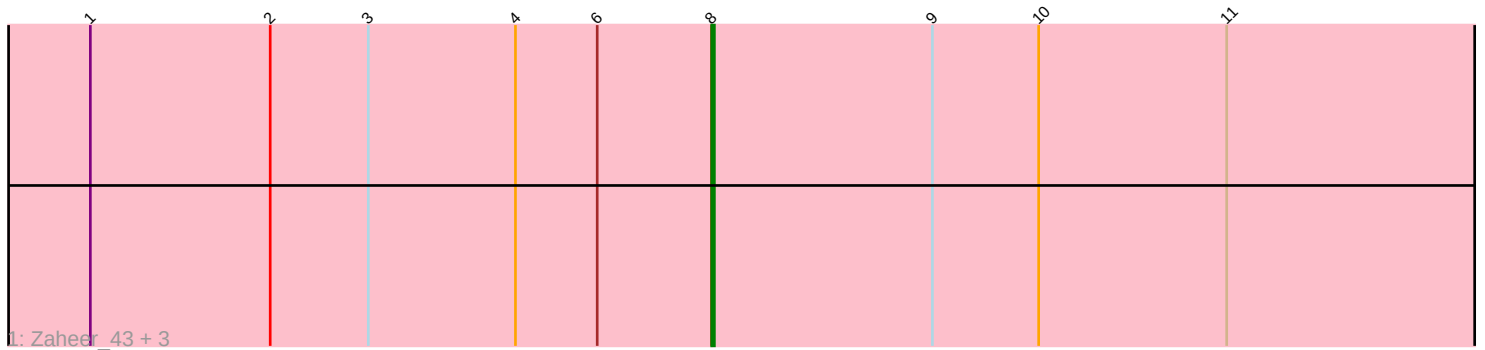




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 281184 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281184 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Zaheer_43, Cole_40, Schism_45, GoodLuckBabe_43
- Track 2 : Guinevere_43, Halloween_38
- Track 3 : Ichang_40
- Track 4 : MillySue_42

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

The start number called the most often in the published annotations is 6, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Guinevere_43, Halloween_38, Ichang_40, MillySue_42,

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

- Cole_40, GoodLuckBabe_43, Schism_45, Zaheer_43,

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

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Summary by start number:

Start 6:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Guinevere_43 (FF), Halloween_38 (FF), Ichang_40 (FF), MillySue_42 (FF),

Start 8:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cole_40 (FF), GoodLuckBabe_43 (FF), Schism_45 (FF), Zaheer_43 (FF),

Summary by clusters:

There is one cluster represented in this pham: FF

Info for manual annotations of cluster FF:

- Start number 6 was manually annotated 3 times for cluster FF.
- Start number 8 was manually annotated 3 times for cluster FF.

Gene Information:

Gene: Cole_40 Start: 29705, Stop: 29412, Start Num: 8

Candidate Starts for Cole_40:

(1, 29933), (2, 29867), (3, 29831), (4, 29777), (Start: 6 @29747 has 3 MA's), (Start: 8 @29705 has 3 MA's), (9, 29624), (10, 29585), (11, 29516),

Gene: GoodLuckBabe_43 Start: 30339, Stop: 30046, Start Num: 8

Candidate Starts for GoodLuckBabe_43:

(1, 30567), (2, 30501), (3, 30465), (4, 30411), (Start: 6 @30381 has 3 MA's), (Start: 8 @30339 has 3 MA's), (9, 30258), (10, 30219), (11, 30150),

Gene: Guinevere_43 Start: 29972, Stop: 29637, Start Num: 6

Candidate Starts for Guinevere_43:

(1, 30158), (2, 30092), (3, 30056), (4, 30002), (Start: 6 @29972 has 3 MA's), (Start: 8 @29930 has 3 MA's), (9, 29849), (10, 29810), (11, 29741),

Gene: Halloween_38 Start: 29380, Stop: 29045, Start Num: 6

Candidate Starts for Halloween_38:

(1, 29566), (2, 29500), (3, 29464), (4, 29410), (Start: 6 @29380 has 3 MA's), (Start: 8 @29338 has 3 MA's), (9, 29257), (10, 29218), (11, 29149),

Gene: Ichiang_40 Start: 29399, Stop: 29064, Start Num: 6

Candidate Starts for Ichiang_40:

(1, 29585), (2, 29519), (3, 29483), (4, 29429), (5, 29417), (Start: 6 @29399 has 3 MA's), (7, 29363), (Start: 8 @29357 has 3 MA's), (9, 29276), (10, 29237), (11, 29168),

Gene: MillySue_42 Start: 30226, Stop: 29900, Start Num: 6

Candidate Starts for MillySue_42:

(1, 30412), (2, 30346), (3, 30310), (4, 30256), (Start: 6 @30226 has 3 MA's), (Start: 8 @30184 has 3 MA's), (9, 30103), (10, 30064), (11, 29995), (12, 29959), (13, 29941),

Gene: Schism_45 Start: 30719, Stop: 30426, Start Num: 8

Candidate Starts for Schism_45:

(1, 30947), (2, 30881), (3, 30845), (4, 30791), (Start: 6 @30761 has 3 MA's), (Start: 8 @30719 has 3 MA's), (9, 30638), (10, 30599), (11, 30530),

Gene: Zaheer_43 Start: 31154, Stop: 30861, Start Num: 8

Candidate Starts for Zaheer_43:

(1, 31382), (2, 31316), (3, 31280), (4, 31226), (Start: 6 @31196 has 3 MA's), (Start: 8 @31154 has 3 MA's), (9, 31073), (10, 31034), (11, 30965),