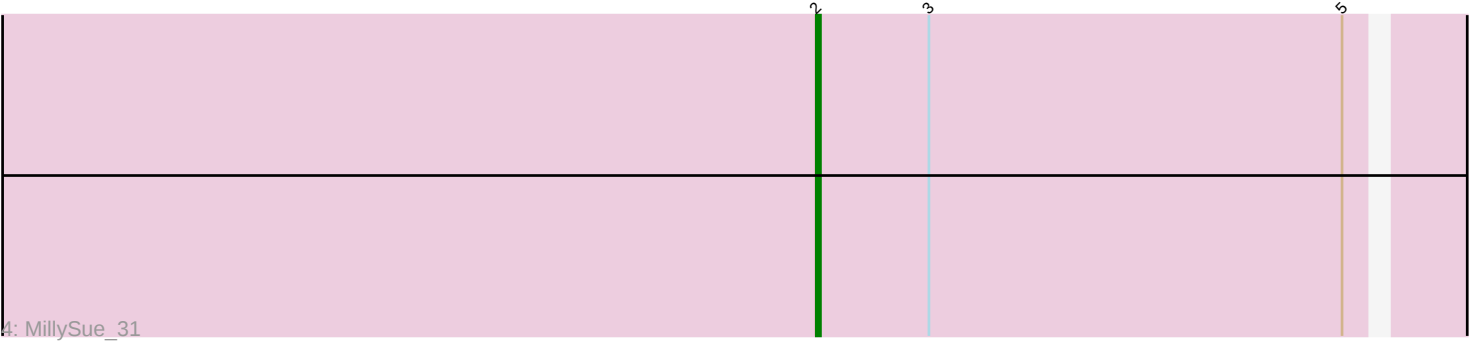
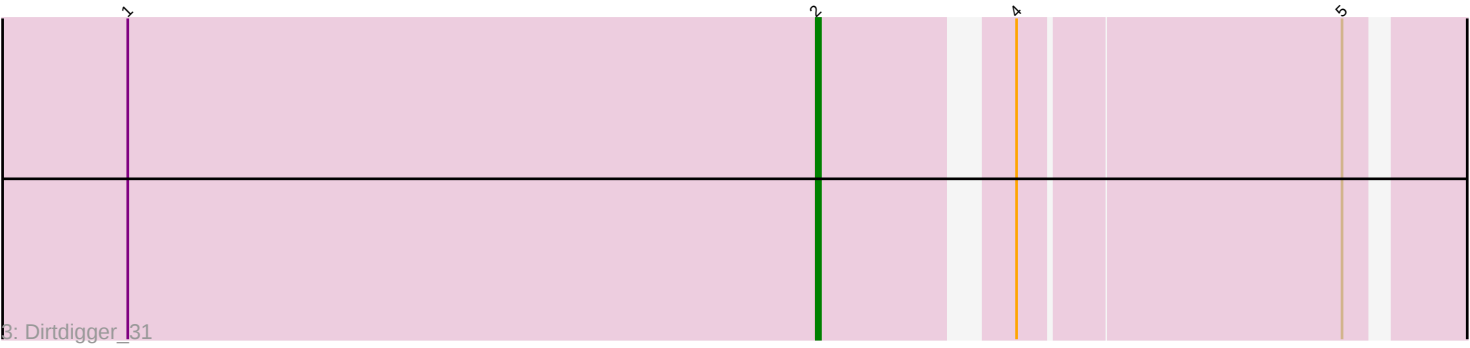
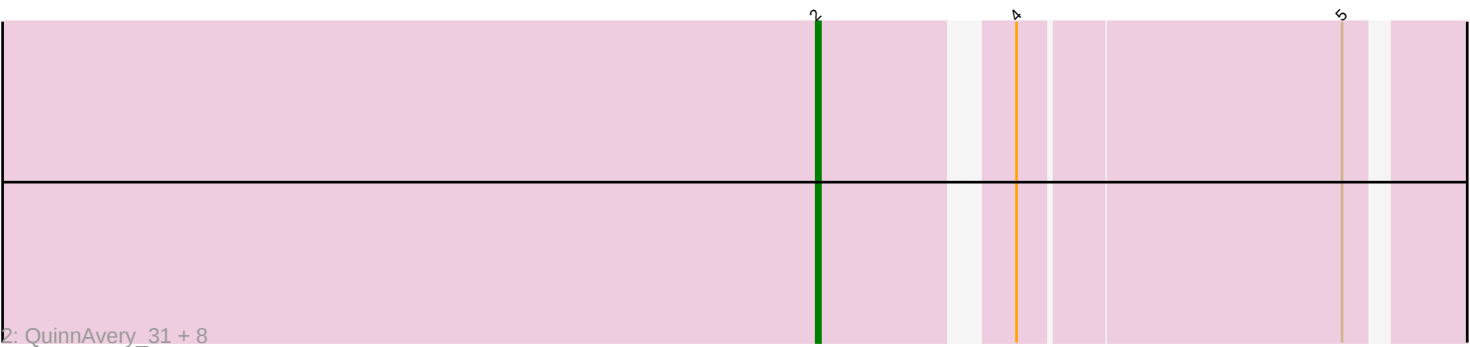




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 331443 Report

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

Pham number 331443 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Gibbzilla_29
- Track 2 : QuinnAvery_31, Halloween_29, Ichiang_29, Cole_29, Donatella_30, Toodles_31, BigSherm_31, ToastyOats_33, Saintcarr_31
- Track 3 : Dirdigger_31
- Track 4 : MillySue_31

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

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

Genes that call this "Most Annotated" start:

- BigSherm_31, Cole_29, Dirdigger_31, Donatella_30, Gibbzilla_29, Halloween_29, Ichiang_29, MillySue_31, QuinnAvery_31, Saintcarr_31, ToastyOats_33, Toodles_31,

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

-

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

-

Summary by start number:

Start 2:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigSherm_31 (FF), Cole_29 (FF), Dirdigger_31 (FF), Donatella_30 (FF), Gibbzilla_29 (FB), Halloween_29 (FF), Ichiang_29 (FF), MillySue_31 (FF), QuinnAvery_31 (FF), Saintcarr_31 (FF), ToastyOats_33 (FF), Toodles_31 (FF),

Summary by clusters:

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

Info for manual annotations of cluster FF:

•Start number 2 was manually annotated 10 times for cluster FF.

Gene Information:

Gene: BigSherm_31 Start: 23227, Stop: 23424, Start Num: 2

Candidate Starts for BigSherm_31:

(Start: 2 @23227 has 10 MA's), (4, 23266), (5, 23341),

Gene: Cole_29 Start: 22974, Stop: 23171, Start Num: 2

Candidate Starts for Cole_29:

(Start: 2 @22974 has 10 MA's), (4, 23013), (5, 23088),

Gene: Dirdigger_31 Start: 23048, Stop: 23245, Start Num: 2

Candidate Starts for Dirdigger_31:

(1, 22883), (Start: 2 @23048 has 10 MA's), (4, 23087), (5, 23162),

Gene: Donatella_30 Start: 23438, Stop: 23635, Start Num: 2

Candidate Starts for Donatella_30:

(Start: 2 @23438 has 10 MA's), (4, 23477), (5, 23552),

Gene: Gibbzilla_29 Start: 19441, Stop: 19644, Start Num: 2

Candidate Starts for Gibbzilla_29:

(Start: 2 @19441 has 10 MA's), (4, 19480),

Gene: Halloweekend_29 Start: 22853, Stop: 23050, Start Num: 2

Candidate Starts for Halloweekend_29:

(Start: 2 @22853 has 10 MA's), (4, 22892), (5, 22967),

Gene: Ichiang_29 Start: 22872, Stop: 23069, Start Num: 2

Candidate Starts for Ichiang_29:

(Start: 2 @22872 has 10 MA's), (4, 22911), (5, 22986),

Gene: MillySue_31 Start: 23043, Stop: 23252, Start Num: 2

Candidate Starts for MillySue_31:

(Start: 2 @23043 has 10 MA's), (3, 23070), (5, 23169),

Gene: QuinnAvery_31 Start: 23236, Stop: 23433, Start Num: 2

Candidate Starts for QuinnAvery_31:

(Start: 2 @23236 has 10 MA's), (4, 23275), (5, 23350),

Gene: Saintcarr_31 Start: 23319, Stop: 23516, Start Num: 2

Candidate Starts for Saintcarr_31:

(Start: 2 @23319 has 10 MA's), (4, 23358), (5, 23433),

Gene: ToastyOats_33 Start: 23777, Stop: 23974, Start Num: 2

Candidate Starts for ToastyOats_33:

(Start: 2 @23777 has 10 MA's), (4, 23816), (5, 23891),

Gene: Toodles_31 Start: 23607, Stop: 23804, Start Num: 2

Candidate Starts for Toodles_31:

(Start: 2 @23607 has 10 MA's), (4, 23646), (5, 23721),