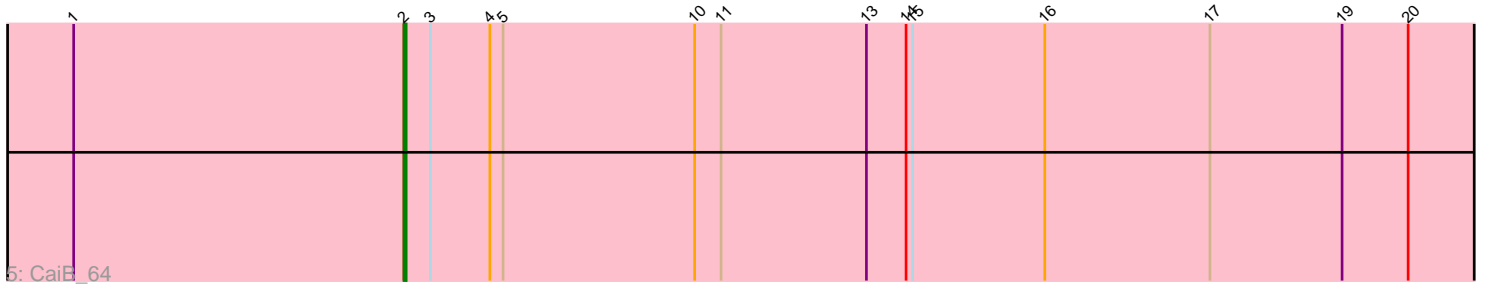
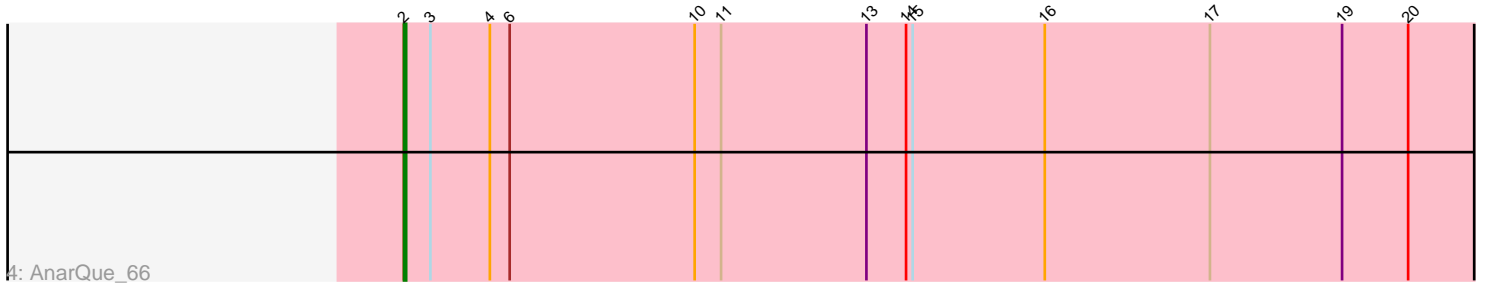
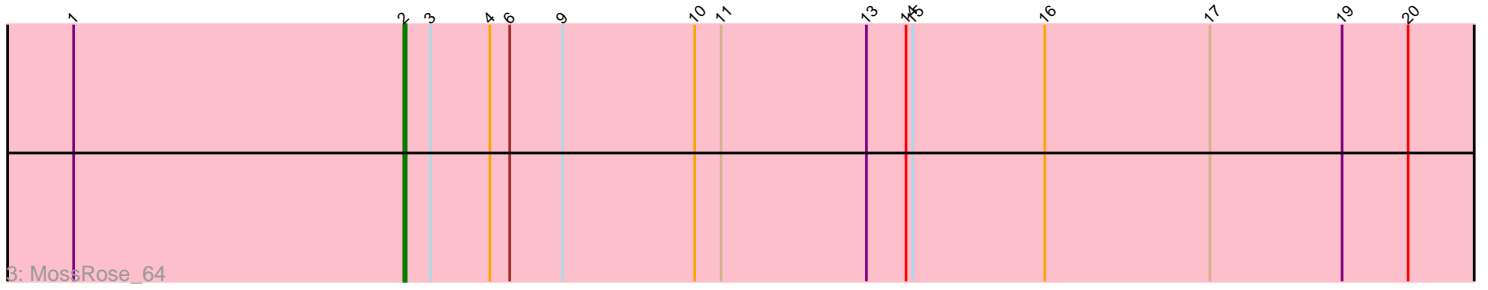
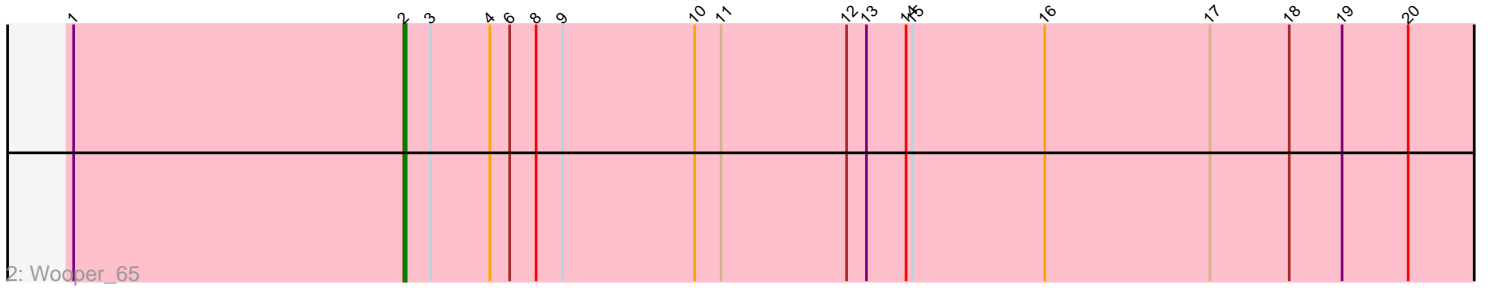
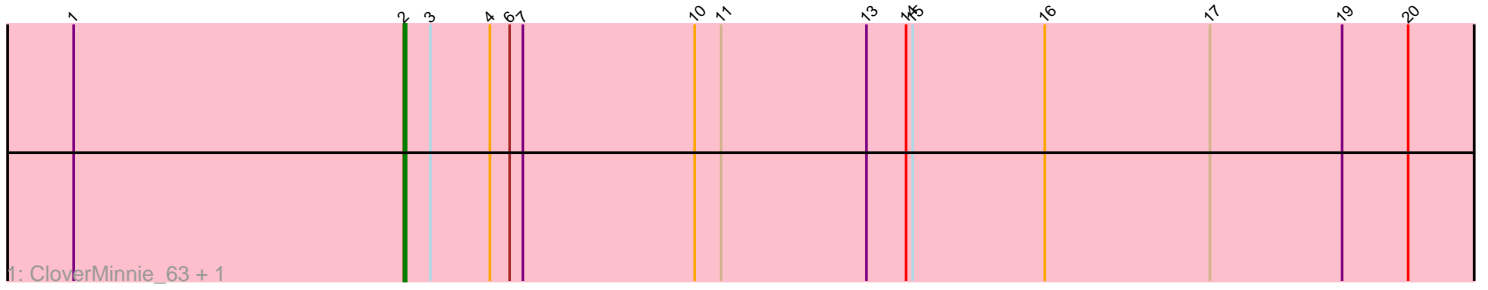


Pham 164244



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 164244 Report

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

Pham number 164244 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : CloverMinnie_63, MakoManhole_62
- Track 2 : Wooper_65
- Track 3 : MossRose_64
- Track 4 : AnarQue_66
- Track 5 : CaiB_64

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 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AnarQue_66, CaiB_64, CloverMinnie_63, MakoManhole_62, MossRose_64, Wooper_65,

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 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnarQue_66 (DR), CaiB_64 (DR), CloverMinnie_63 (DR), MakoManhole_62 (DR), MossRose_64 (DR), Wooper_65 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:

•Start number 2 was manually annotated 5 times for cluster DR.

Gene Information:

Gene: AnarQue_66 Start: 52691, Stop: 53188, Start Num: 2

Candidate Starts for AnarQue_66:

(Start: 2 @52691 has 5 MA's), (3, 52703), (4, 52730), (6, 52739), (10, 52823), (11, 52835), (13, 52901), (14, 52919), (15, 52922), (16, 52982), (17, 53057), (19, 53117), (20, 53147),

Gene: CaiB_64 Start: 52475, Stop: 52972, Start Num: 2

Candidate Starts for CaiB_64:

(1, 52325), (Start: 2 @52475 has 5 MA's), (3, 52487), (4, 52514), (5, 52520), (10, 52607), (11, 52619), (13, 52685), (14, 52703), (15, 52706), (16, 52766), (17, 52841), (19, 52901), (20, 52931),

Gene: CloverMinnie_63 Start: 51638, Stop: 52135, Start Num: 2

Candidate Starts for CloverMinnie_63:

(1, 51488), (Start: 2 @51638 has 5 MA's), (3, 51650), (4, 51677), (6, 51686), (7, 51692), (10, 51770), (11, 51782), (13, 51848), (14, 51866), (15, 51869), (16, 51929), (17, 52004), (19, 52064), (20, 52094),

Gene: MakoManhole_62 Start: 50993, Stop: 51490, Start Num: 2

Candidate Starts for MakoManhole_62:

(1, 50843), (Start: 2 @50993 has 5 MA's), (3, 51005), (4, 51032), (6, 51041), (7, 51047), (10, 51125), (11, 51137), (13, 51203), (14, 51221), (15, 51224), (16, 51284), (17, 51359), (19, 51419), (20, 51449),

Gene: MossRose_64 Start: 51953, Stop: 52450, Start Num: 2

Candidate Starts for MossRose_64:

(1, 51803), (Start: 2 @51953 has 5 MA's), (3, 51965), (4, 51992), (6, 52001), (9, 52025), (10, 52085), (11, 52097), (13, 52163), (14, 52181), (15, 52184), (16, 52244), (17, 52319), (19, 52379), (20, 52409),

Gene: Wooper_65 Start: 52024, Stop: 52521, Start Num: 2

Candidate Starts for Wooper_65:

(1, 51874), (Start: 2 @52024 has 5 MA's), (3, 52036), (4, 52063), (6, 52072), (8, 52084), (9, 52096), (10, 52156), (11, 52168), (12, 52225), (13, 52234), (14, 52252), (15, 52255), (16, 52315), (17, 52390), (18, 52426), (19, 52450), (20, 52480),