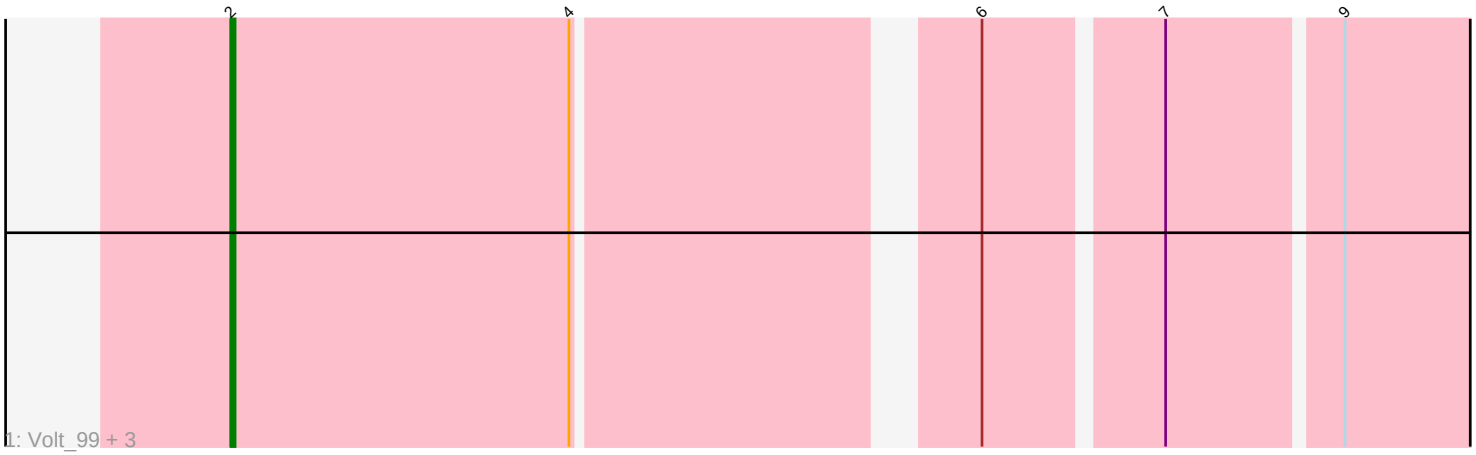
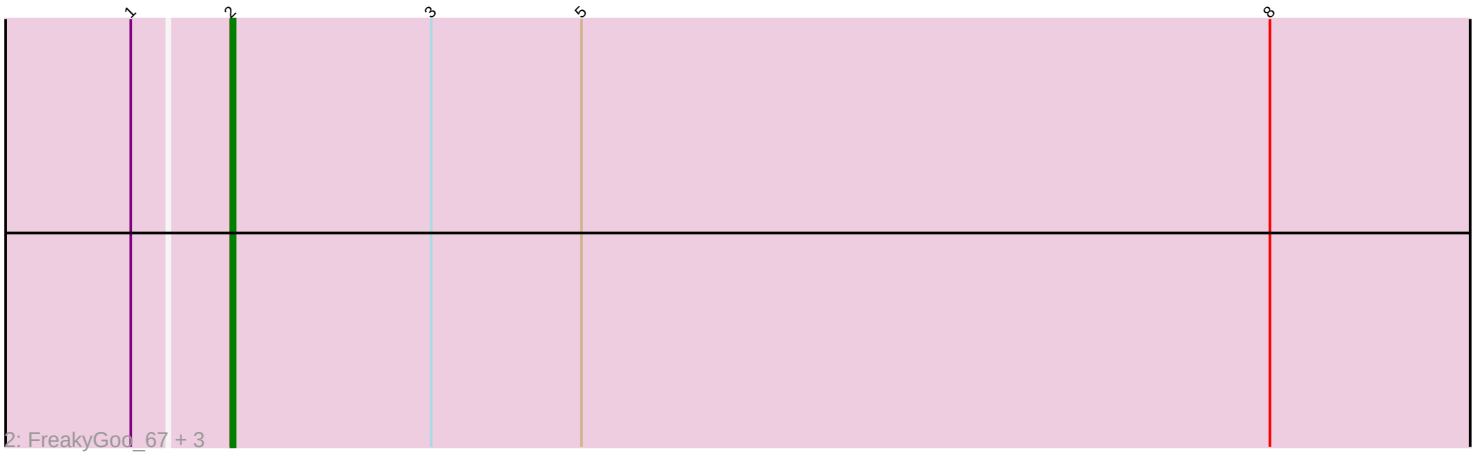
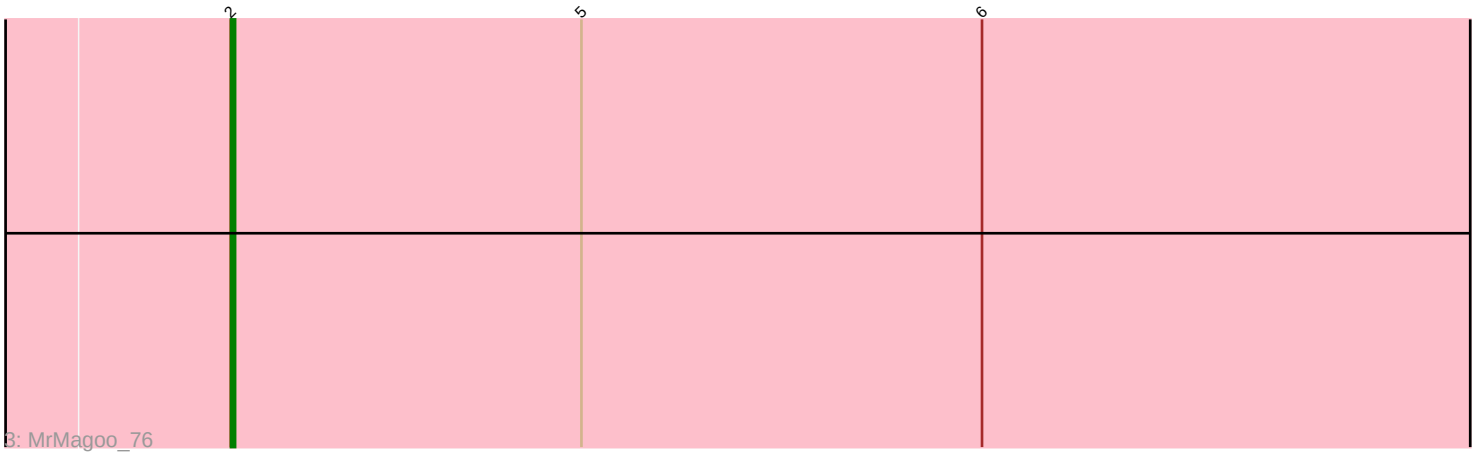
Pham 295360







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 295360 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295360 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Volt_99, Fryberger_95, Guey18_100, Ronaldo_98
• Track 2 : FreakyGoo_67, Izel_67, Dulcita_67, Glaske16_67
• Track 3 : MrMagoo_76

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dulcita_67, FreakyGoo_67, Fryberger_95, Glaske16_67, Guey18_100, Izel_67, MrMagoo_76, Ronaldo_98, Volt_99,

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 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dulcita_67 (M1), FreakyGoo_67 (M1), Fryberger_95 (DP), Glaske16_67 (M1), Guey18_100 (DP), Izel_67 (M1), MrMagoo_76 (M2), Ronaldo_98 (DP), Volt_99 (DP),

Summary by clusters:

There are 3 clusters represented in this pham: M1, DP, M2,

Info for manual annotations of cluster DP:

•Start number 2 was manually annotated 4 times for cluster DP.

Info for manual annotations of cluster M1:
•Start number 2 was manually annotated 4 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 2 was manually annotated 1 time for cluster M2.

Gene Information:

Gene: Dulcita_67 Start: 43444, Stop: 43842, Start Num: 2
Candidate Starts for Dulcita_67:
(1, 43423), (Start: 2 @43444 has 9 MA's), (3, 43492), (5, 43528), (8, 43693),

Gene: FreakyGoo_67 Start: 43444, Stop: 43842, Start Num: 2
Candidate Starts for FreakyGoo_67:
(1, 43423), (Start: 2 @43444 has 9 MA's), (3, 43492), (5, 43528), (8, 43693),

Gene: Fryberger_95 Start: 48138, Stop: 48464, Start Num: 2
Candidate Starts for Fryberger_95:
(Start: 2 @48138 has 9 MA's), (4, 48219), (6, 48303), (7, 48342), (9, 48381),

Gene: Glaske16_67 Start: 43443, Stop: 43841, Start Num: 2
Candidate Starts for Glaske16_67:
(1, 43422), (Start: 2 @43443 has 9 MA's), (3, 43491), (5, 43527), (8, 43692),

Gene: Guey18_100 Start: 49458, Stop: 49784, Start Num: 2
Candidate Starts for Guey18_100:
(Start: 2 @49458 has 9 MA's), (4, 49539), (6, 49623), (7, 49662), (9, 49701),

Gene: Izel_67 Start: 43443, Stop: 43841, Start Num: 2
Candidate Starts for Izel_67:
(1, 43422), (Start: 2 @43443 has 9 MA's), (3, 43491), (5, 43527), (8, 43692),

Gene: MrMagoo_76 Start: 46031, Stop: 46429, Start Num: 2
Candidate Starts for MrMagoo_76:
(Start: 2 @46031 has 9 MA's), (5, 46115), (6, 46211),

Gene: Ronaldo_98 Start: 49040, Stop: 49366, Start Num: 2
Candidate Starts for Ronaldo_98:
(Start: 2 @49040 has 9 MA's), (4, 49121), (6, 49205), (7, 49244), (9, 49283),

Gene: Volt_99 Start: 49204, Stop: 49530, Start Num: 2
Candidate Starts for Volt_99:
(Start: 2 @49204 has 9 MA's), (4, 49285), (6, 49369), (7, 49408), (9, 49447),