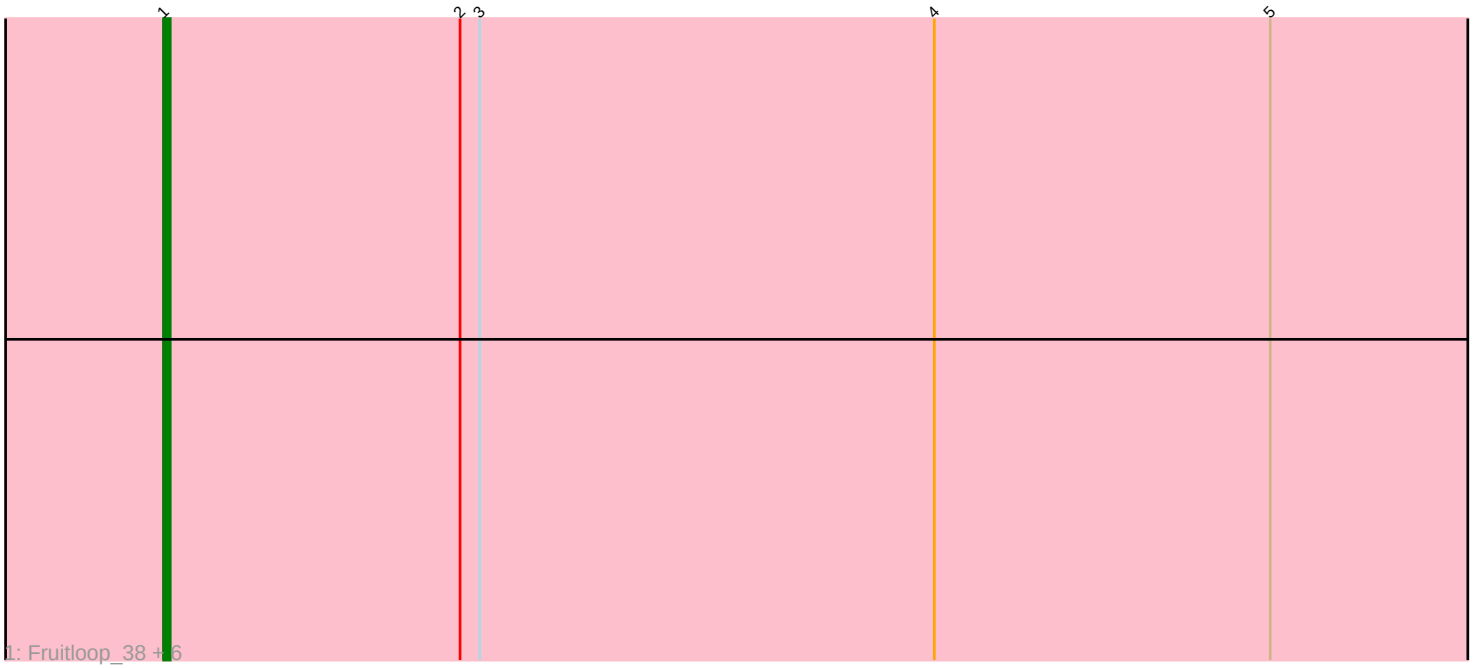
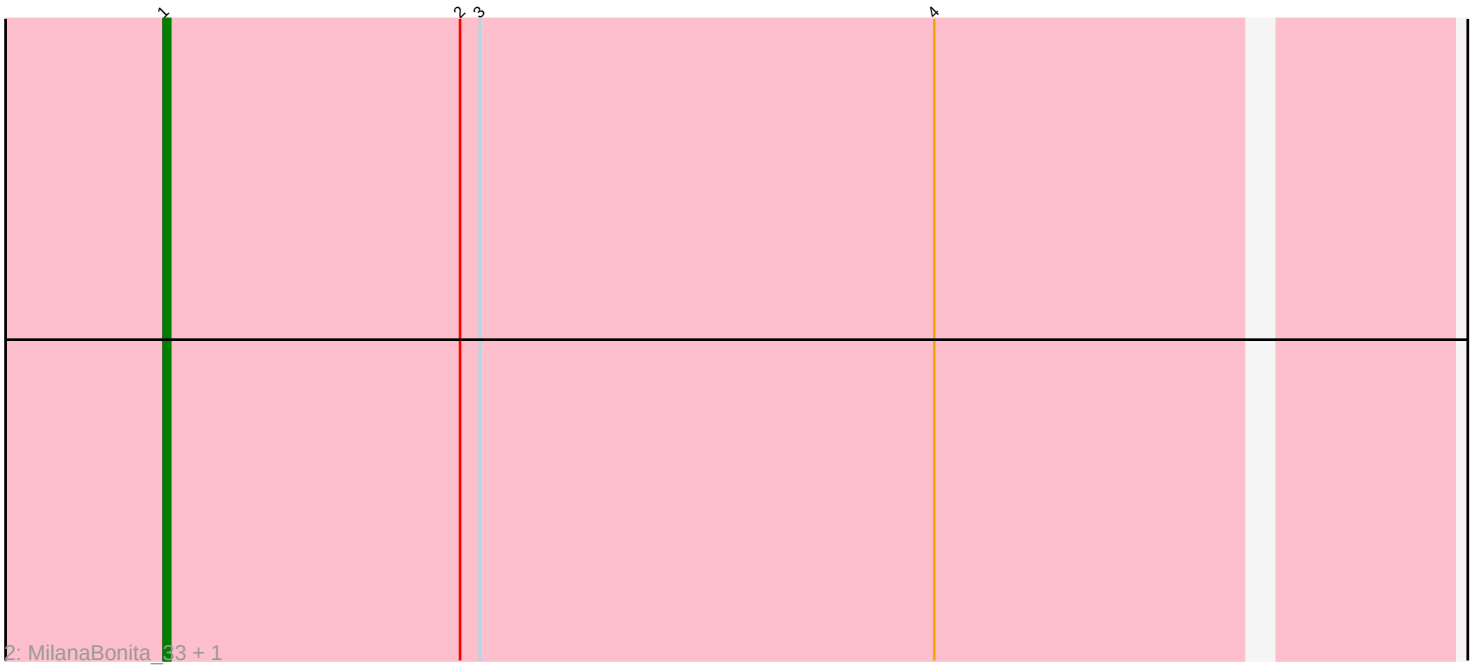
Pham 331538





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 331538 Report

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

Pham number 331538 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Fruitloop_38, LunaBlu_43, Polo2Bam_44, Batiatus_39, Enzomatic_45, Melissauren88_39, SeaLumen_44
• Track 2 : MilanaBonita_33, Akhila_33

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_33, Batiatus_39, Enzomatic_45, Fruitloop_38, LunaBlu_43, Melissauren88_39, MilanaBonita_33, Polo2Bam_44, SeaLumen_44,

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 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Akhila_33 (F1), Batiatus_39 (F1), Enzomatic_45 (F1), Fruitloop_38 (F1), LunaBlu_43 (F1), Melissauren88_39 (F1), MilanaBonita_33 (F1), Polo2Bam_44 (F1), SeaLumen_44 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

•Start number 1 was manually annotated 6 times for cluster F1.

Gene Information:

Gene: Akhila_33 Start: 27408, Stop: 27178, Start Num: 1
Candidate Starts for Akhila_33:
(Start: 1 @27408 has 6 MA's), (2, 27363), (3, 27360), (4, 27291),

Gene: Batiatus_39 Start: 31386, Stop: 31150, Start Num: 1
Candidate Starts for Batiatus_39:
(Start: 1 @31386 has 6 MA's), (2, 31341), (3, 31338), (4, 31269), (5, 31218),

Gene: Enzomatic_45 Start: 31582, Stop: 31346, Start Num: 1
Candidate Starts for Enzomatic_45:
(Start: 1 @31582 has 6 MA's), (2, 31537), (3, 31534), (4, 31465), (5, 31414),

Gene: Fruitloop_38 Start: 31549, Stop: 31313, Start Num: 1
Candidate Starts for Fruitloop_38:
(Start: 1 @31549 has 6 MA's), (2, 31504), (3, 31501), (4, 31432), (5, 31381),

Gene: LunaBlu_43 Start: 32418, Stop: 32182, Start Num: 1
Candidate Starts for LunaBlu_43:
(Start: 1 @32418 has 6 MA's), (2, 32373), (3, 32370), (4, 32301), (5, 32250),

Gene: Melissauren88_39 Start: 31545, Stop: 31309, Start Num: 1
Candidate Starts for Melissauren88_39:
(Start: 1 @31545 has 6 MA's), (2, 31500), (3, 31497), (4, 31428), (5, 31377),

Gene: MilanaBonita_33 Start: 27408, Stop: 27178, Start Num: 1
Candidate Starts for MilanaBonita_33:
(Start: 1 @27408 has 6 MA's), (2, 27363), (3, 27360), (4, 27291),

Gene: Polo2Bam_44 Start: 31582, Stop: 31346, Start Num: 1
Candidate Starts for Polo2Bam_44:
(Start: 1 @31582 has 6 MA's), (2, 31537), (3, 31534), (4, 31465), (5, 31414),

Gene: SeaLumen_44 Start: 31582, Stop: 31346, Start Num: 1
Candidate Starts for SeaLumen_44:
(Start: 1 @31582 has 6 MA's), (2, 31537), (3, 31534), (4, 31465), (5, 31414),