

Inappropriate data filtering of LABEL modules for IRMA

ADDITIONAL FILE 2

LABEL module

irma-FLU

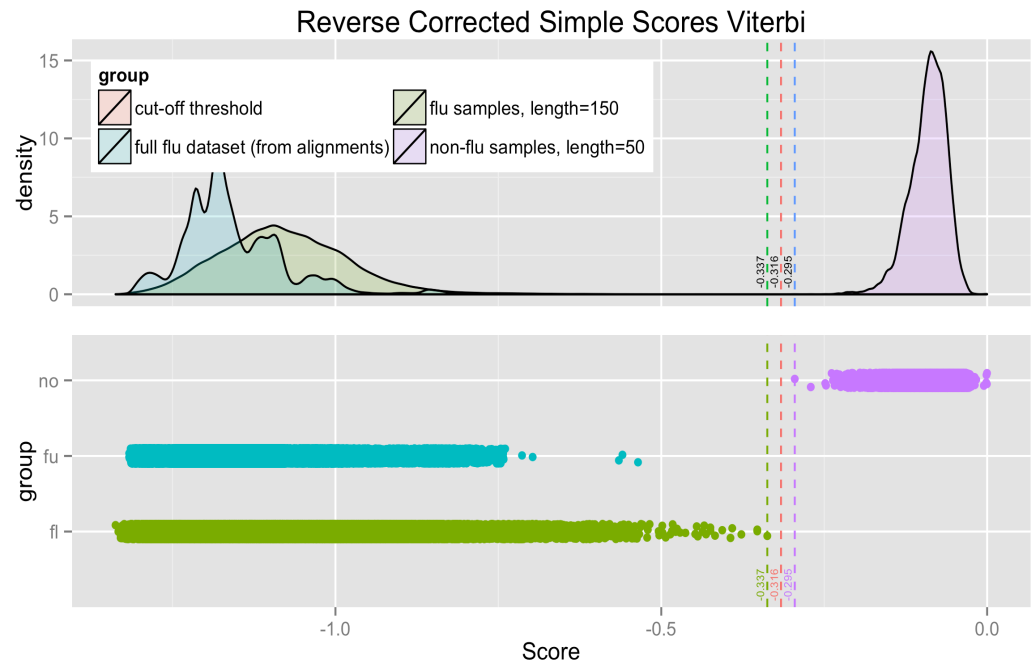
Classifies influenza A and B gene segments as well as 16 HA subtypes and 9 NA subtypes.

Density and jitter-plots show separation of full influenza gene sequences and subsequences versus non-flu subsequence control.

Threshold used to separate non-flu-like reads.

Not used by default.

See Figure 3 and Supplementary Figure S1



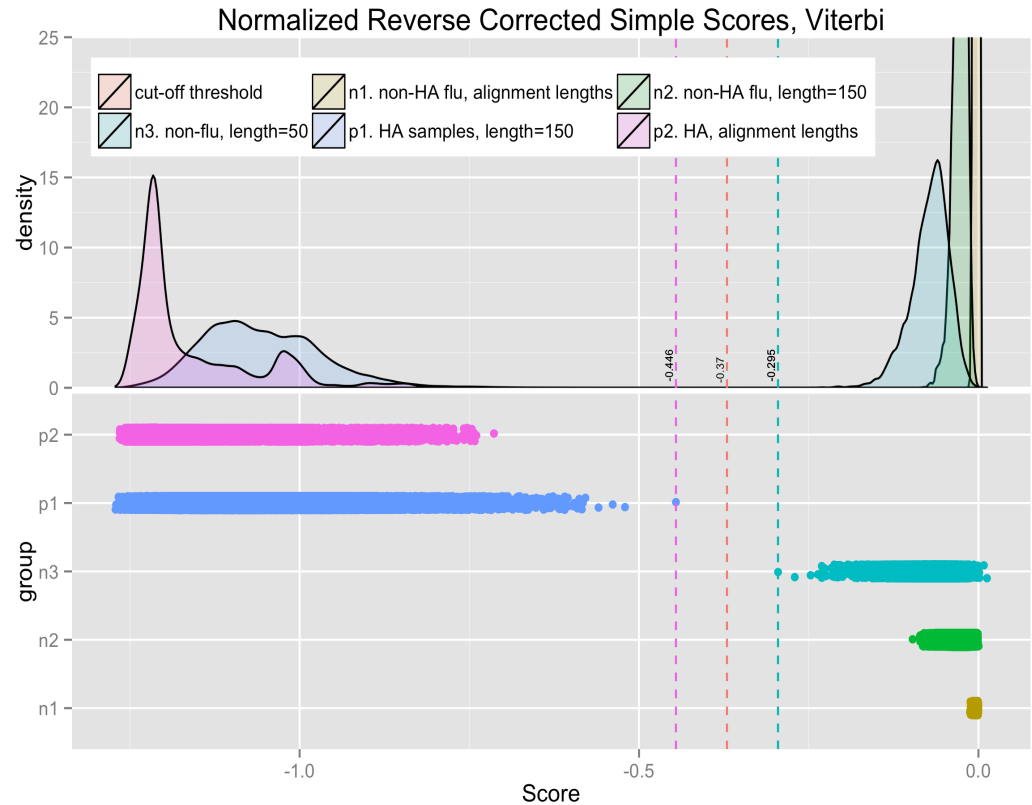
LABEL module

irma-FLU-HA

Classifies influenza A HA subtypes (1-16) and influenza B HA, given an HA.

Density and jitter-plots show separation of full influenza HA sequences and subsequences versus non-HA subsequence control. Threshold used to separate non-HA-like reads.

See Figure 3 (LABEL trio).



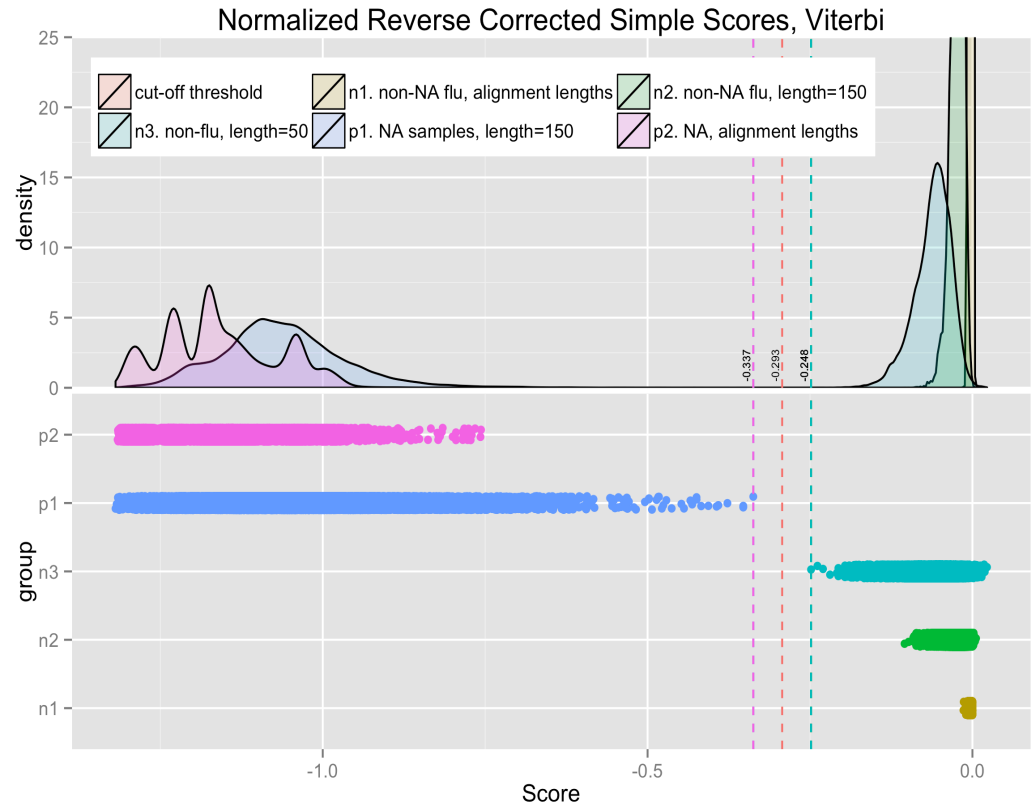
LABEL module

irma-FLU-NA

Classifies influenza A NA subtypes (1-9) and influenza B NA, given an NA.

Density and jitter-plots show separation of full influenza NA sequences and subsequences versus non-NA subsequence control. Threshold used to separate non-NA-like reads.

See Figure 3 (LABEL trio).



LABEL module

irma-FLU-OG

Classifies internal (PB2, PB1, PA, NP, MP, NS) gene segments for influenza A and B. Termed “other gene” or OG for short.

Density and jitter-plots show separation of full influenza OG sequences and subsequences versus non-OG (HA/NA) subsequence control. Threshold used to filter non-internal-gene-like reads.

See Figure 3 (LABEL trio).

