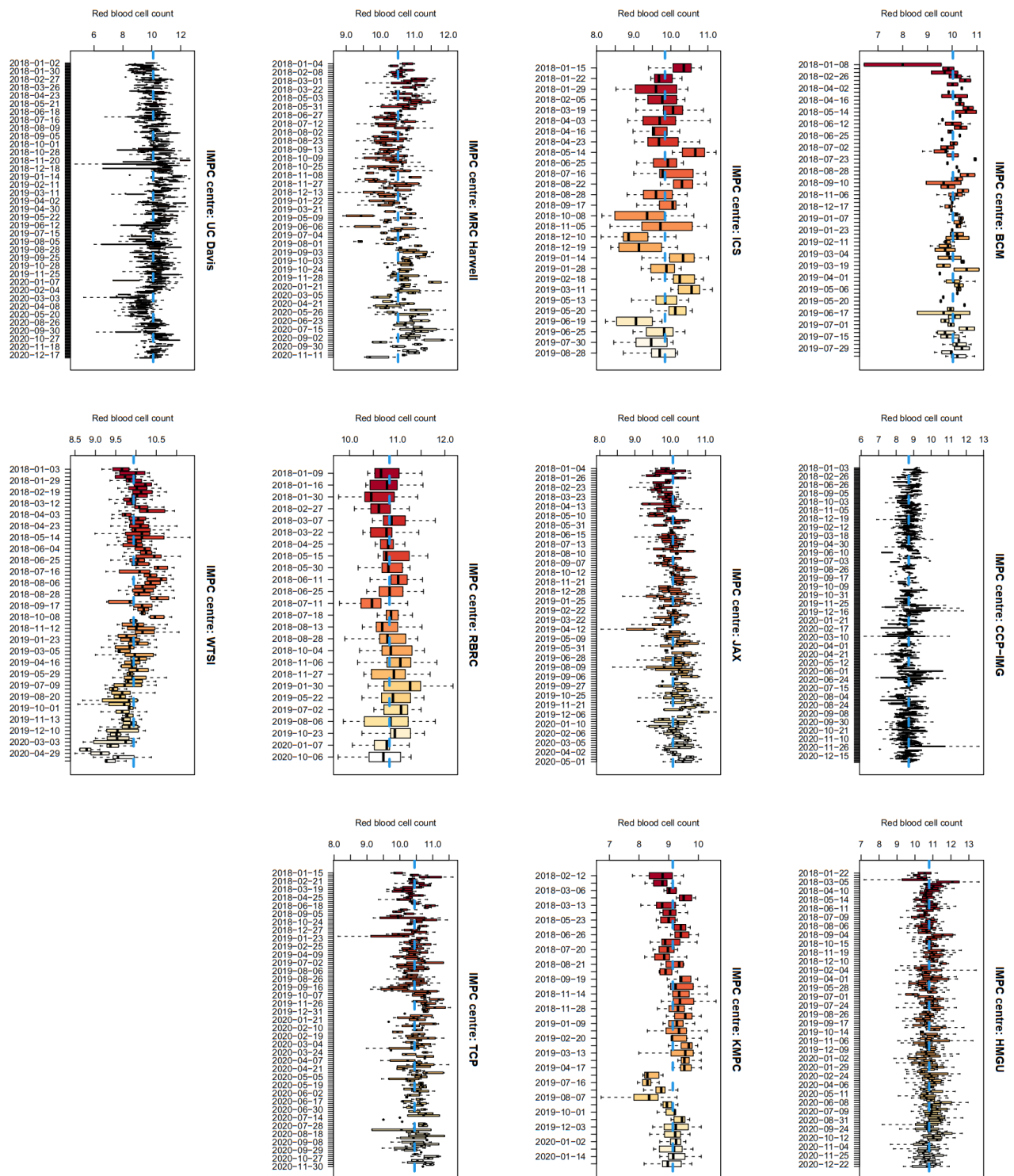
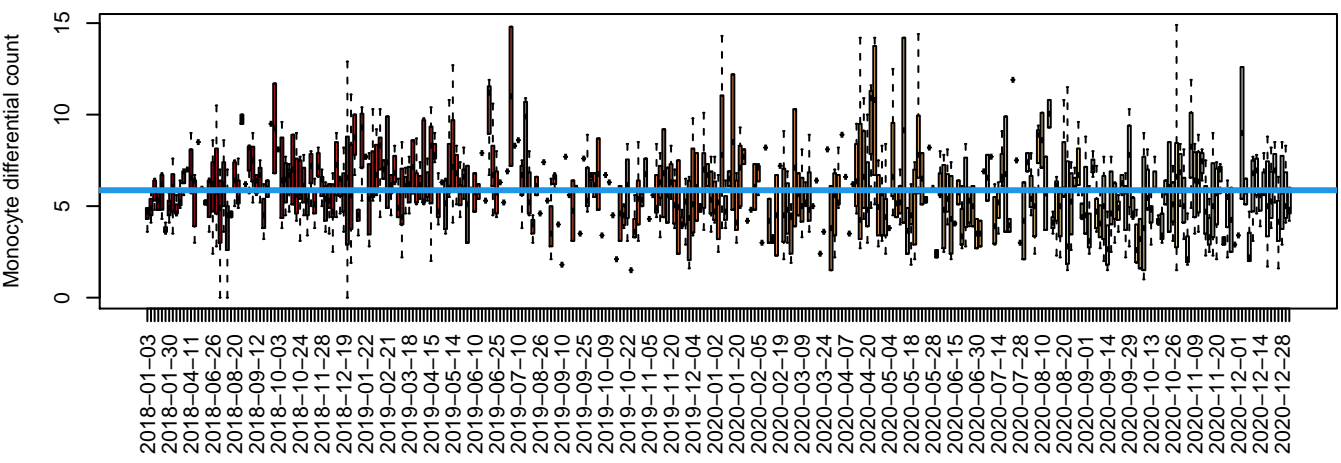


Supplementary Figure 1. The data variation for the IMPC wildtype mice over time (batch) for the red blood cell counts across the IMPC centres. The global mean is shown by the vertical blue lines. The IMPC centres show some variations over time. Align with [1] a batch effect term is included in the analysis to account for the day to day variation in the data.

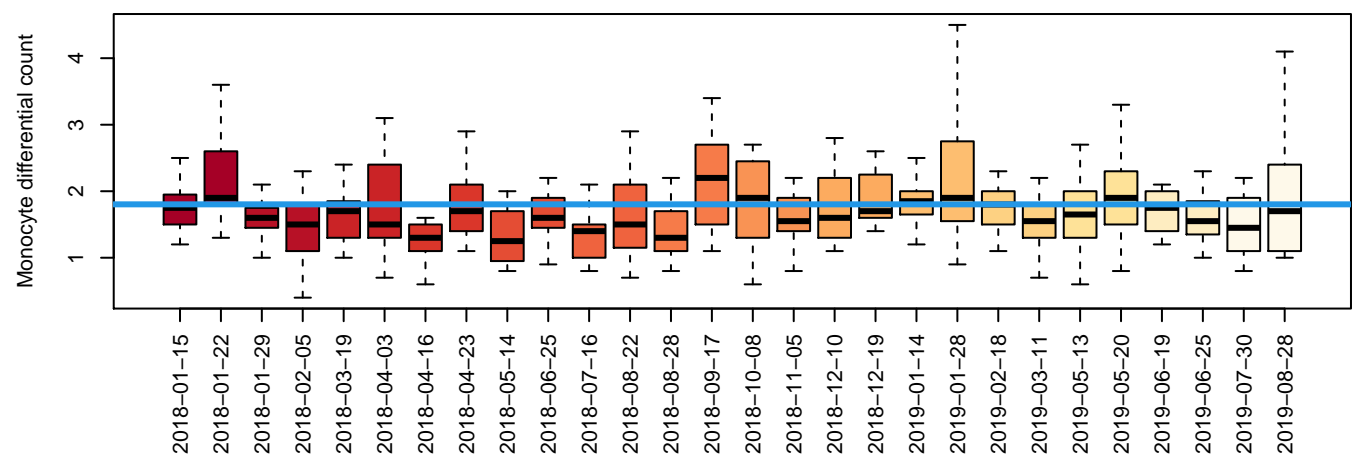
1. Karp NA, Mason J, Beaudet AL, Benjamini Y, Bower L, Braun RE, et al. Prevalence of sexual dimorphism in mammalian phenotypic traits. *Nat Commun.* 2017;8: 15475. doi:10.1038/ncomms15475



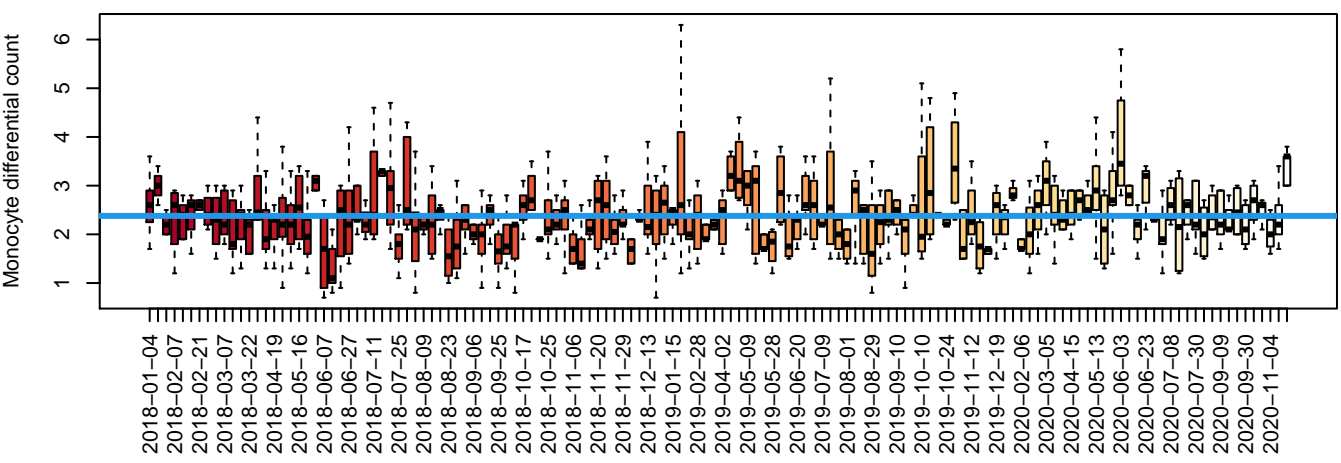
IMPC centre: CCP-IMG



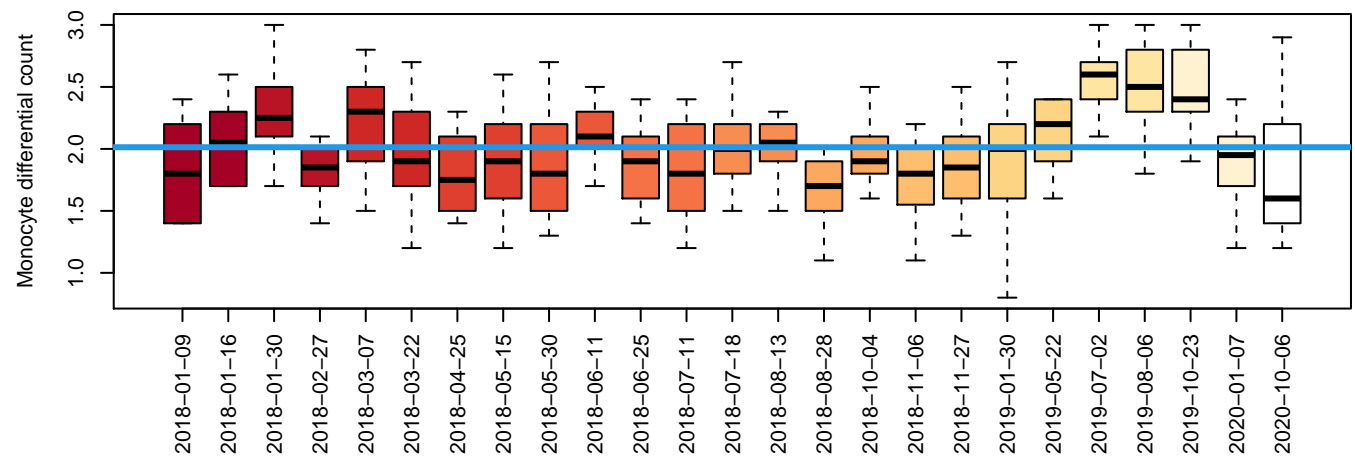
IMPC centre: ICS



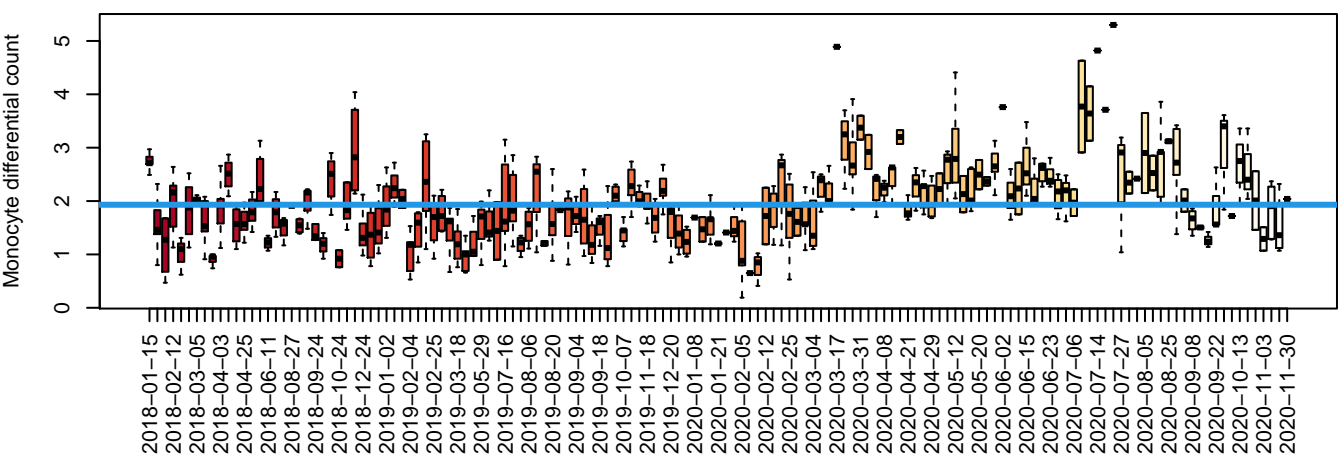
IMPC centre: MRC Harwell



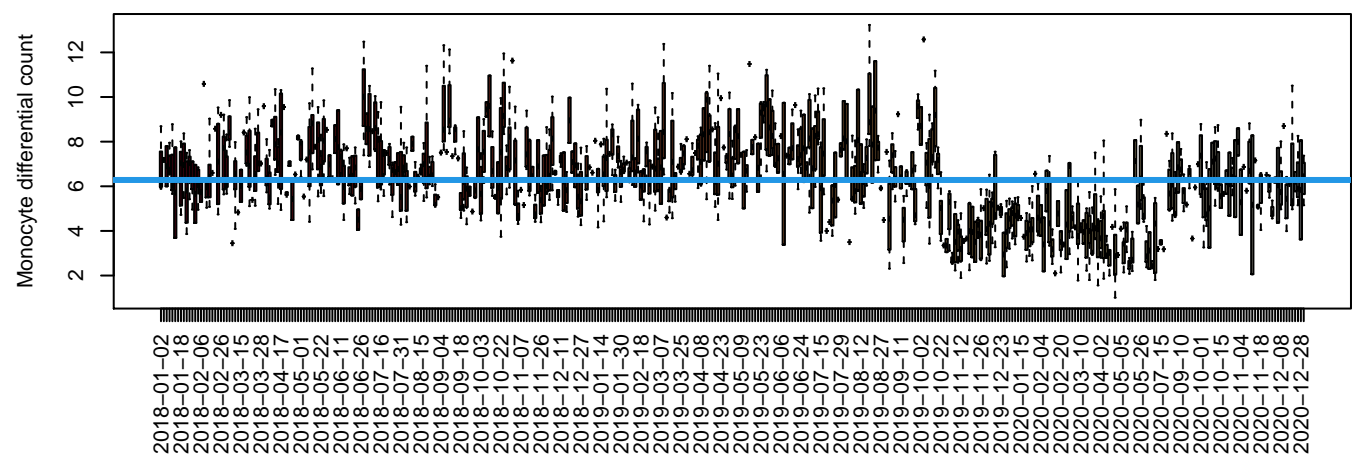
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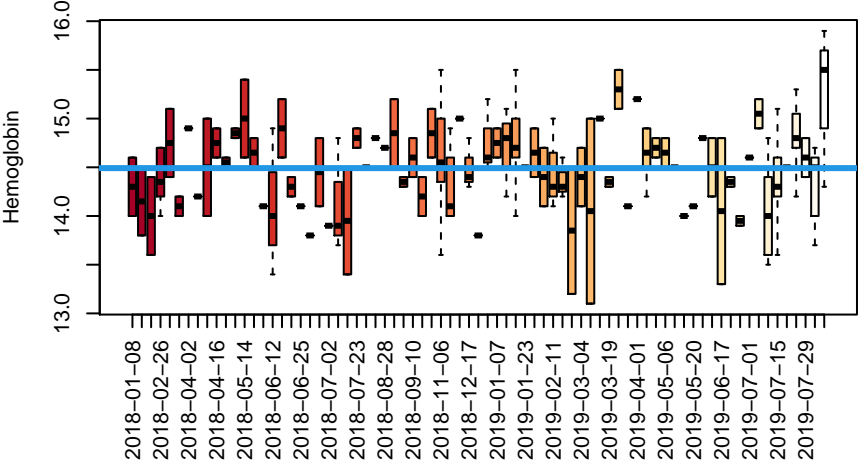
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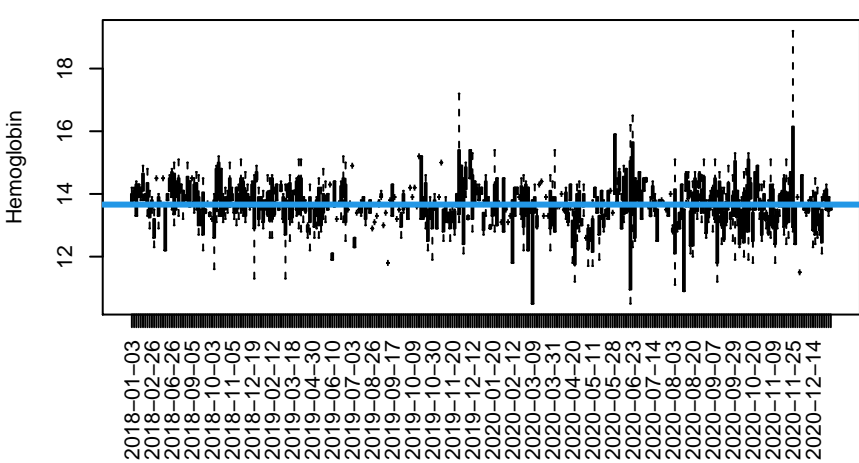
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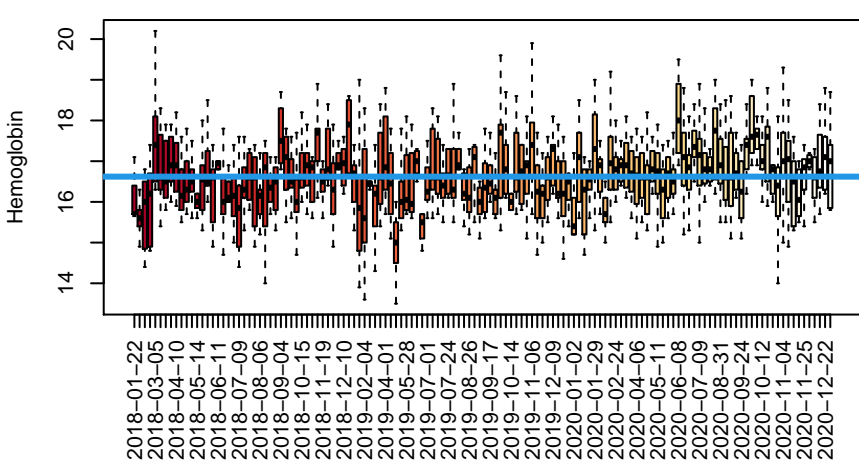
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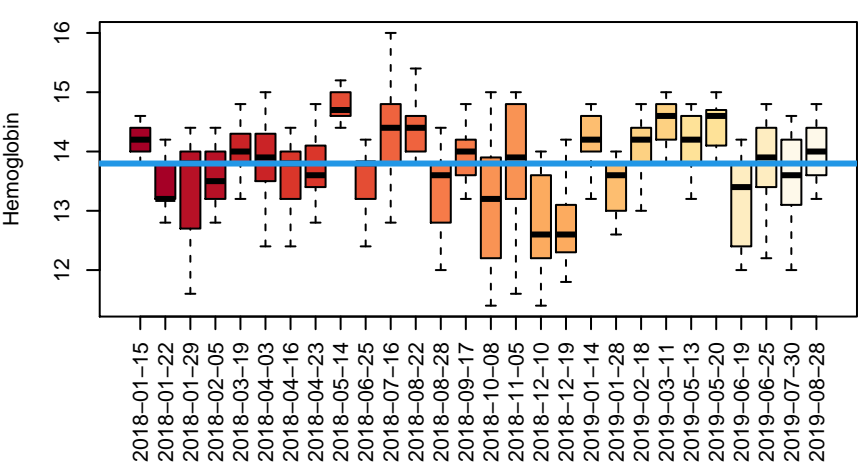
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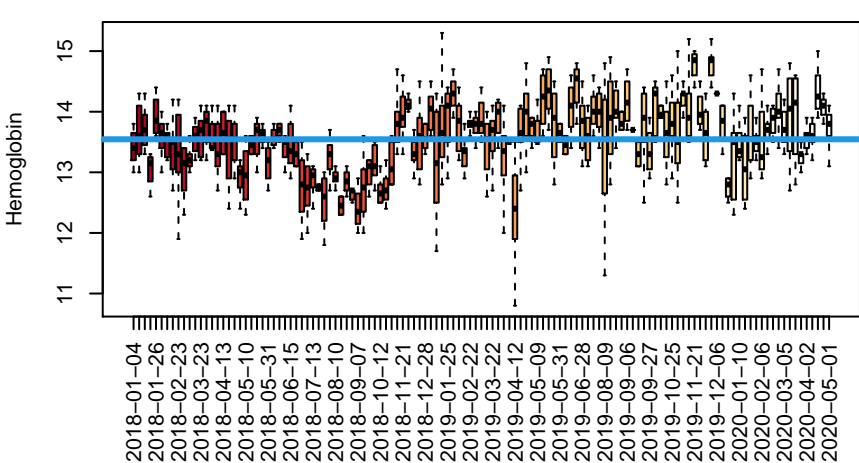
IMPC centre: HMGU



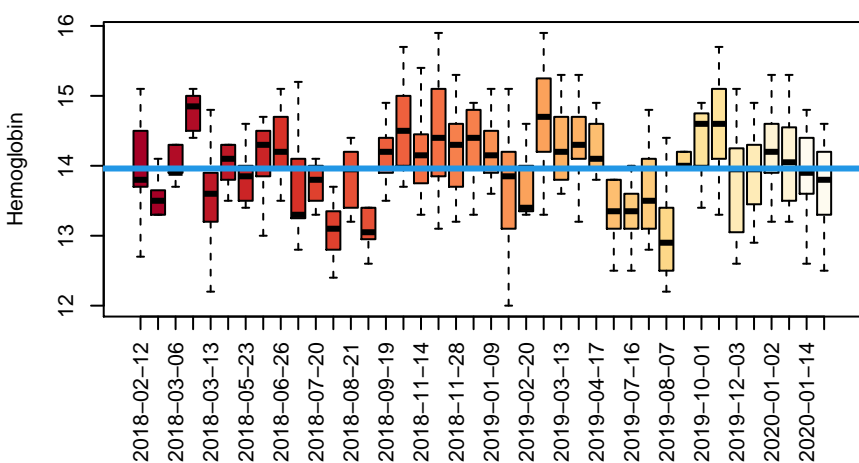
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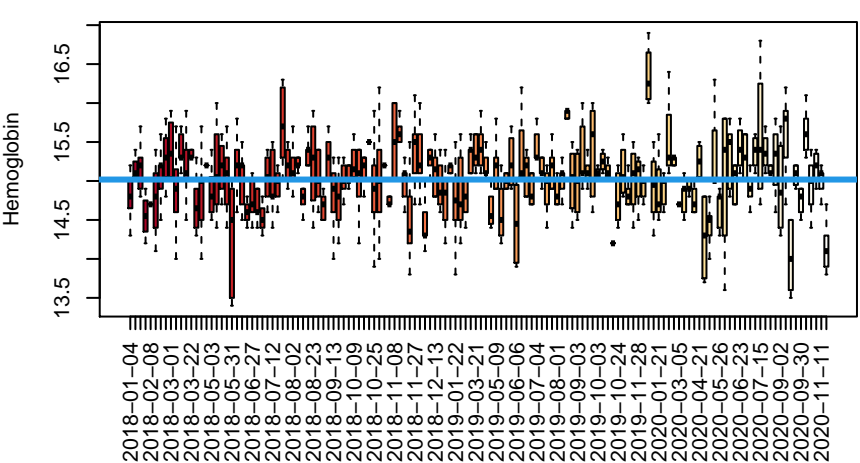
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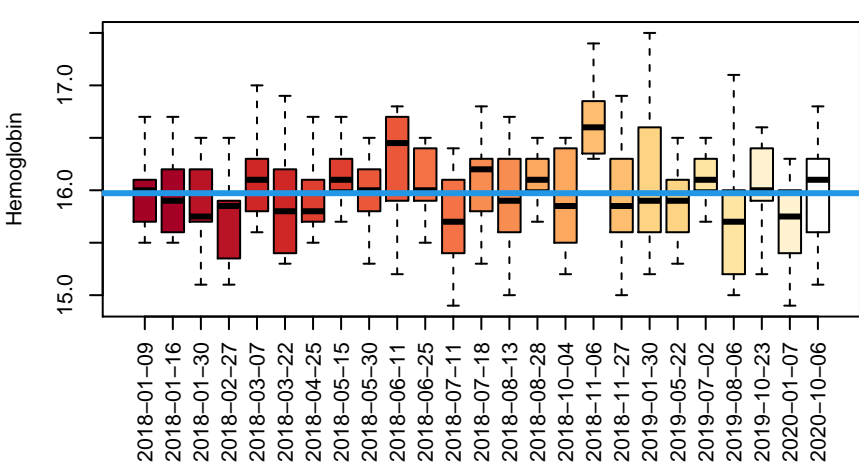
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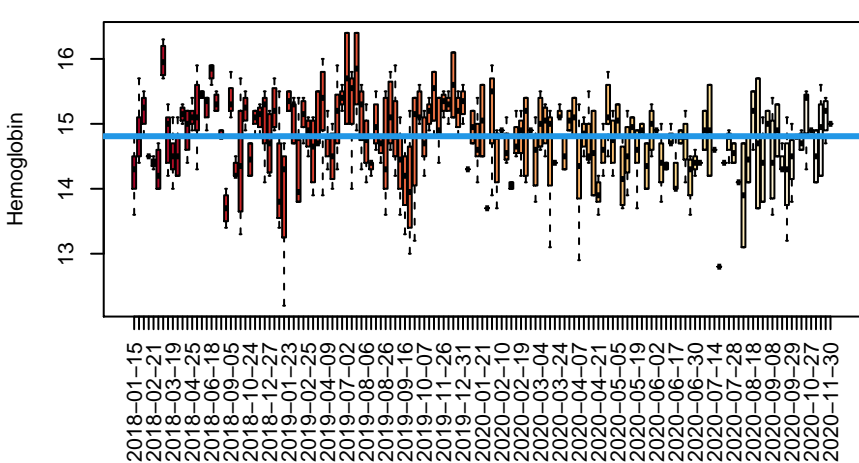
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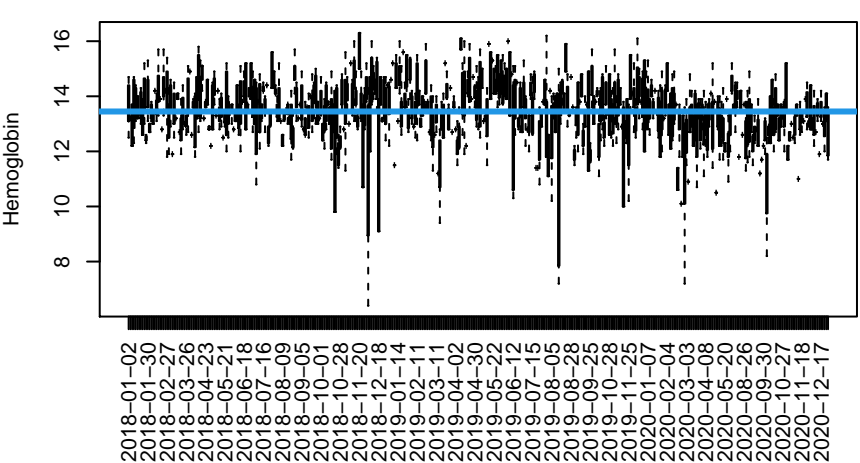
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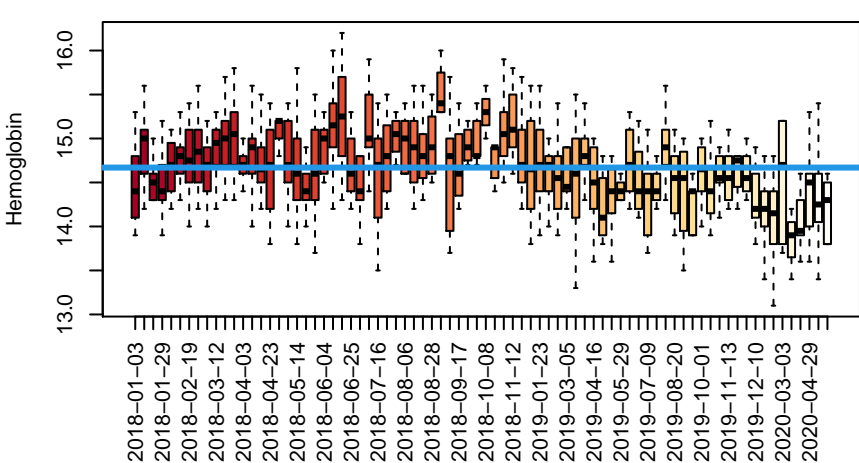
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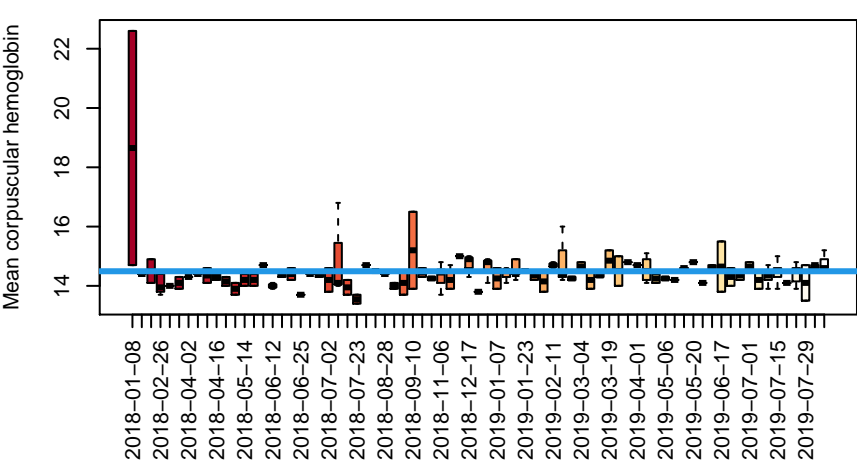
IMPC centre: UC Davis



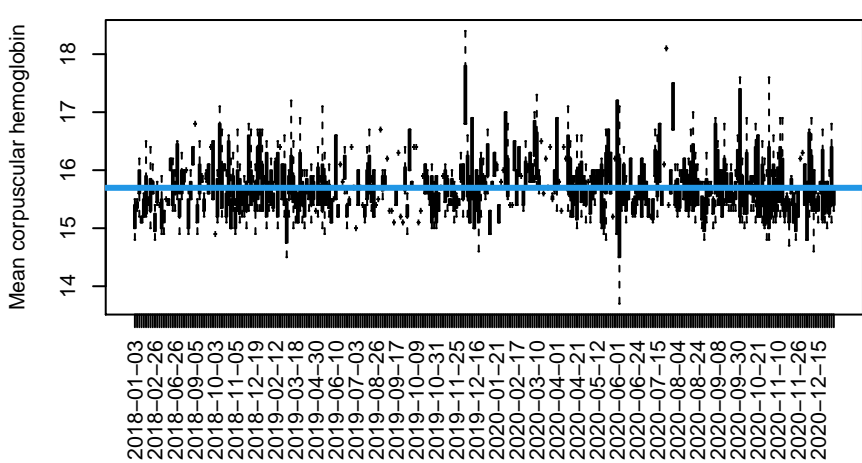
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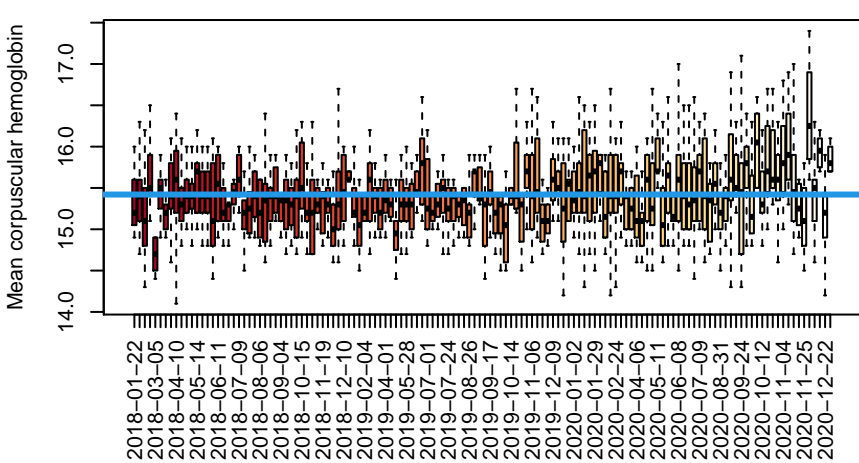
IMPC centre: BCM



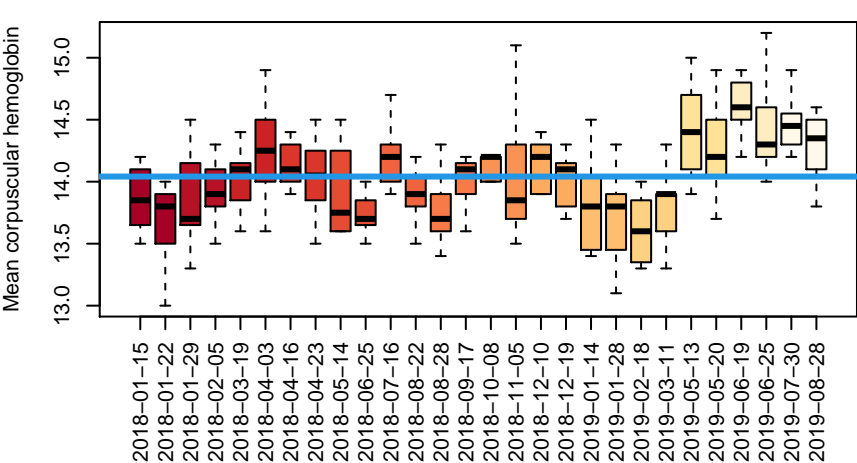
IMPC centre: CCP-IMG



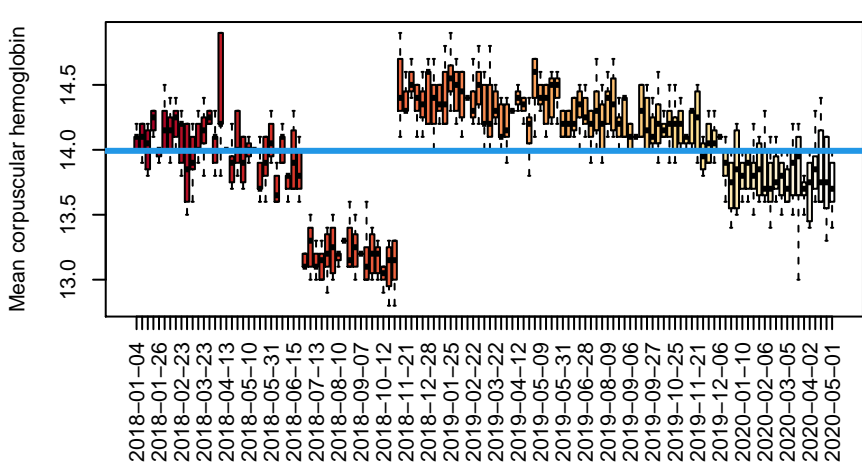
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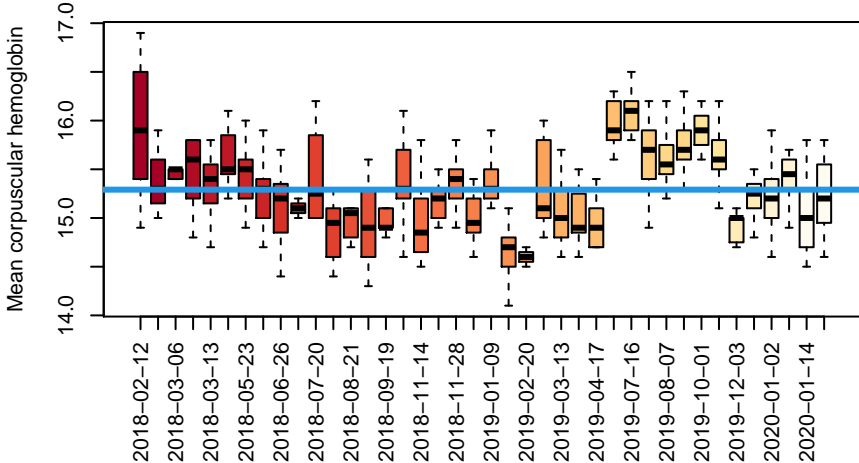
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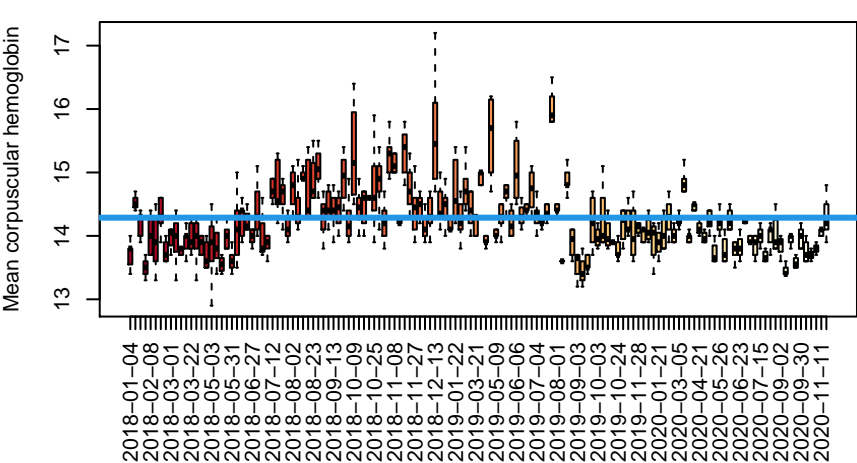
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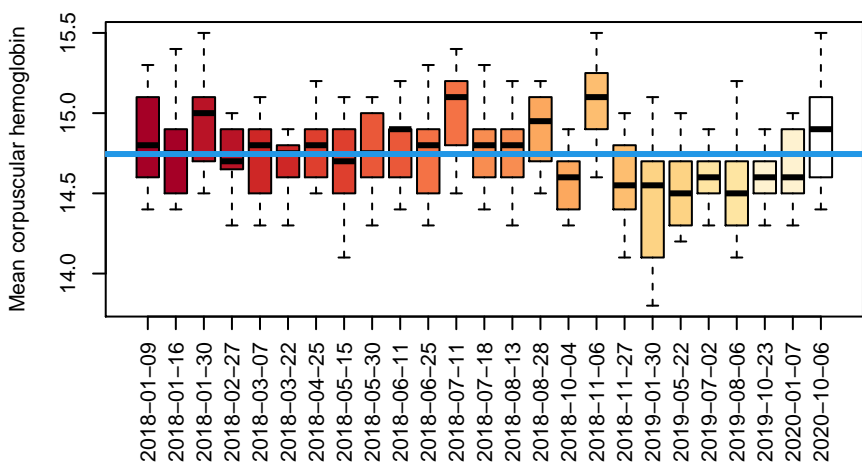
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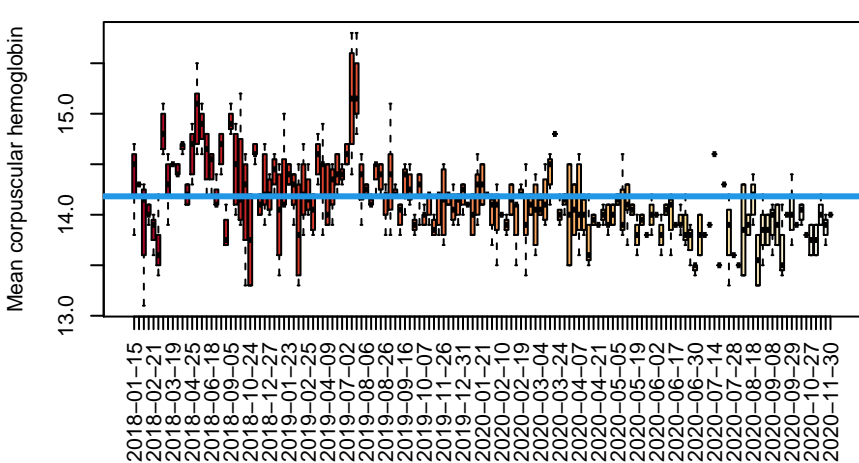
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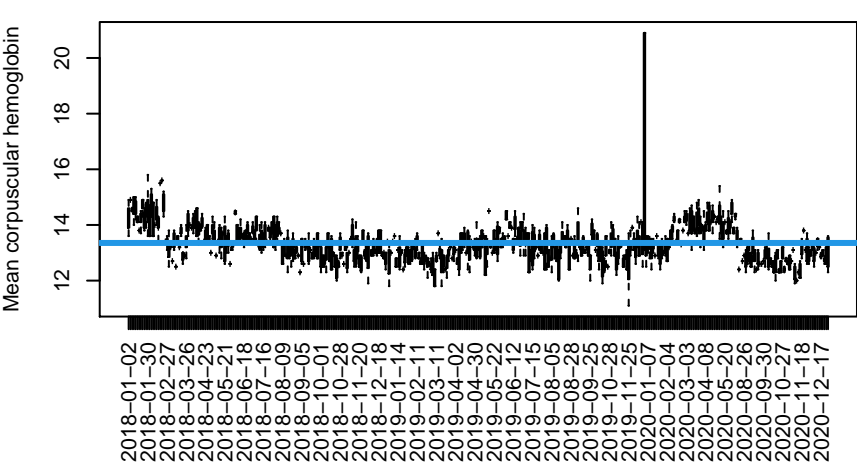
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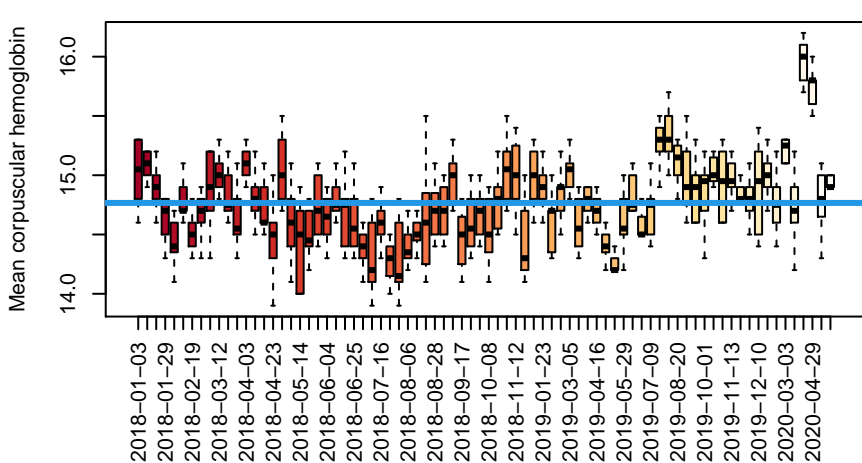
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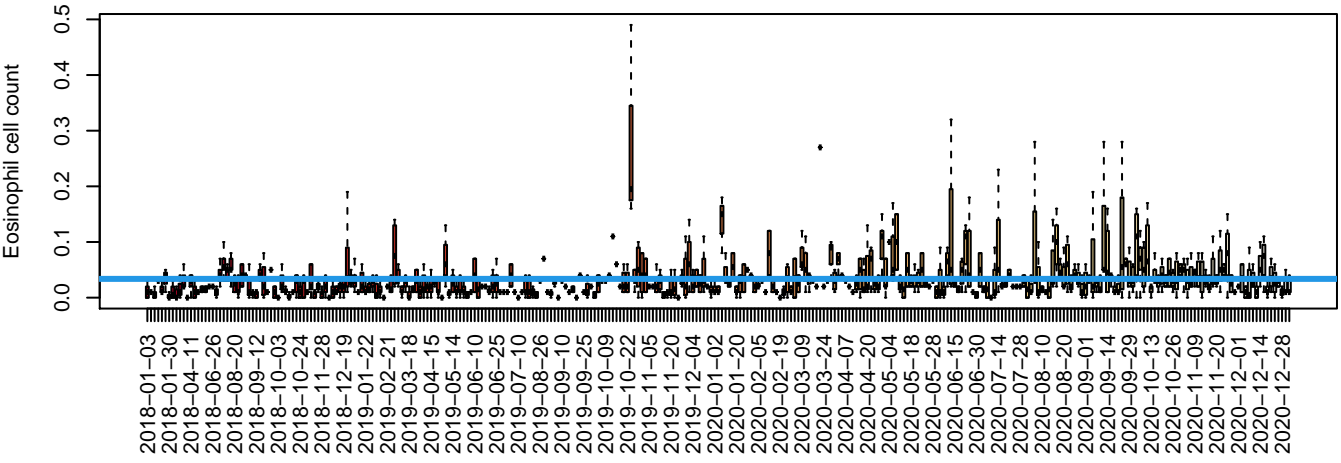
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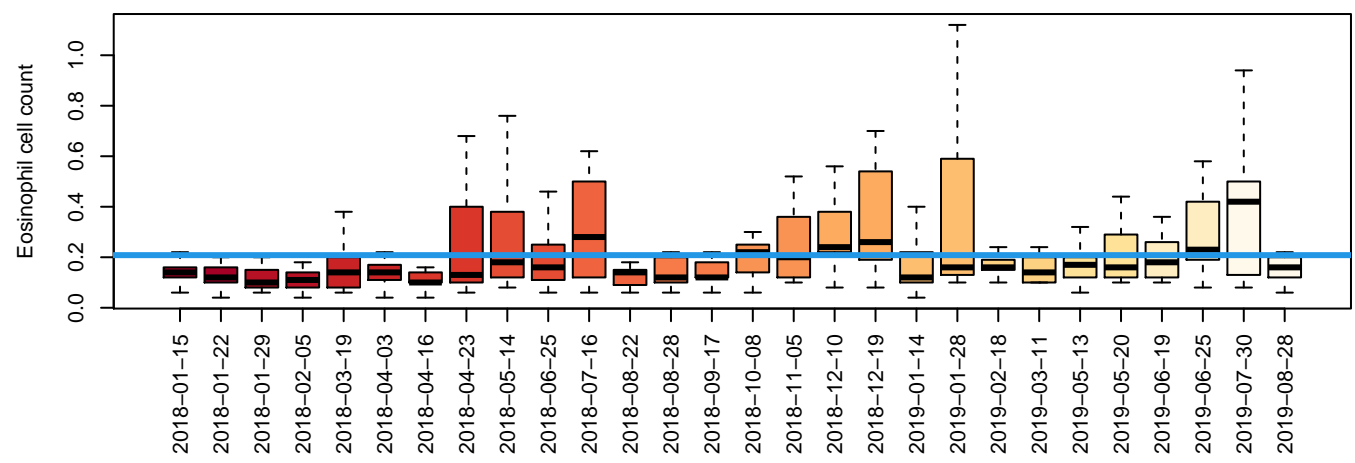
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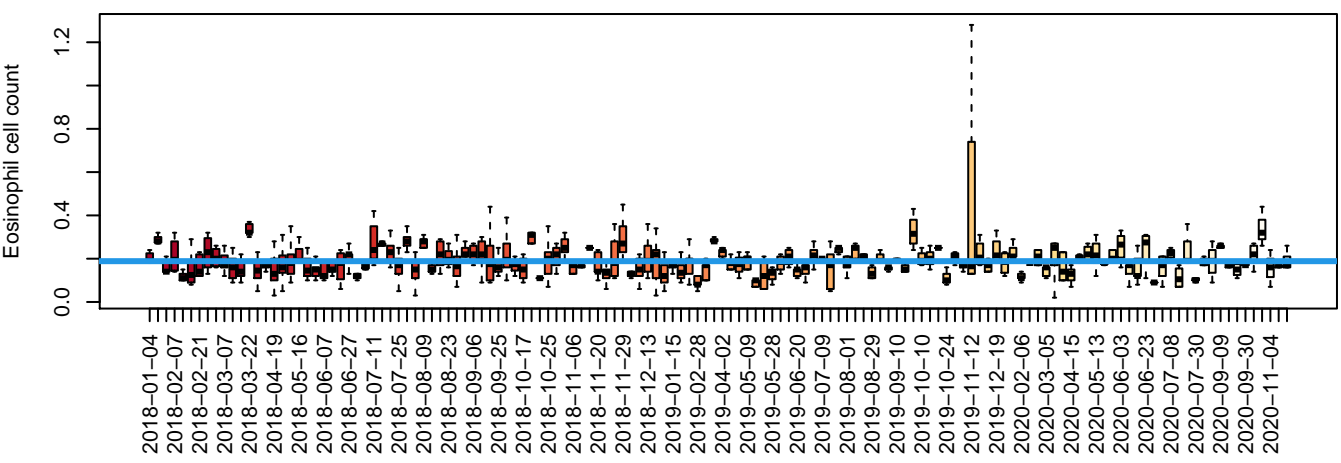
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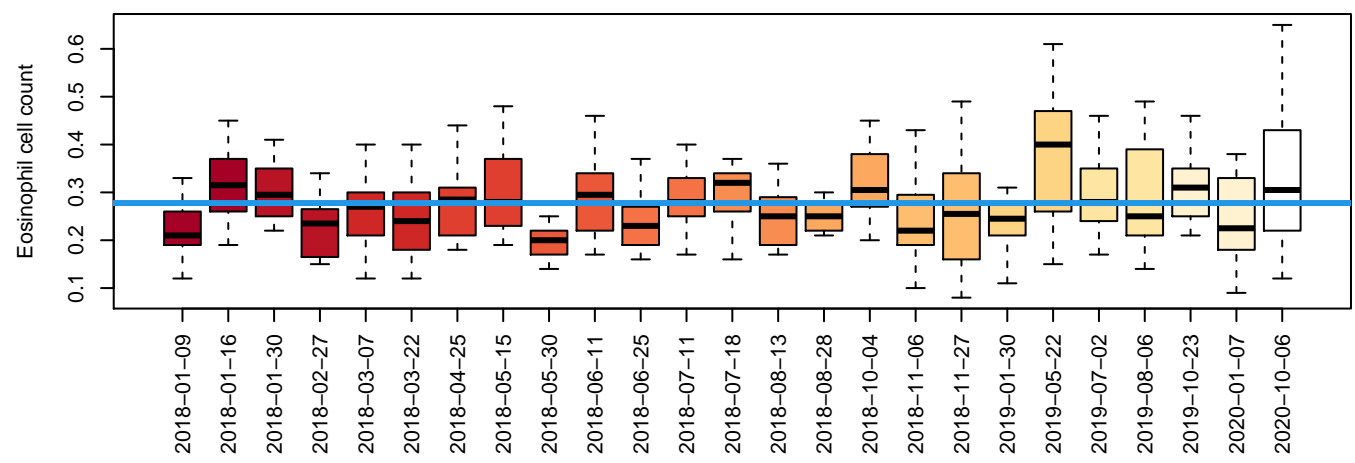
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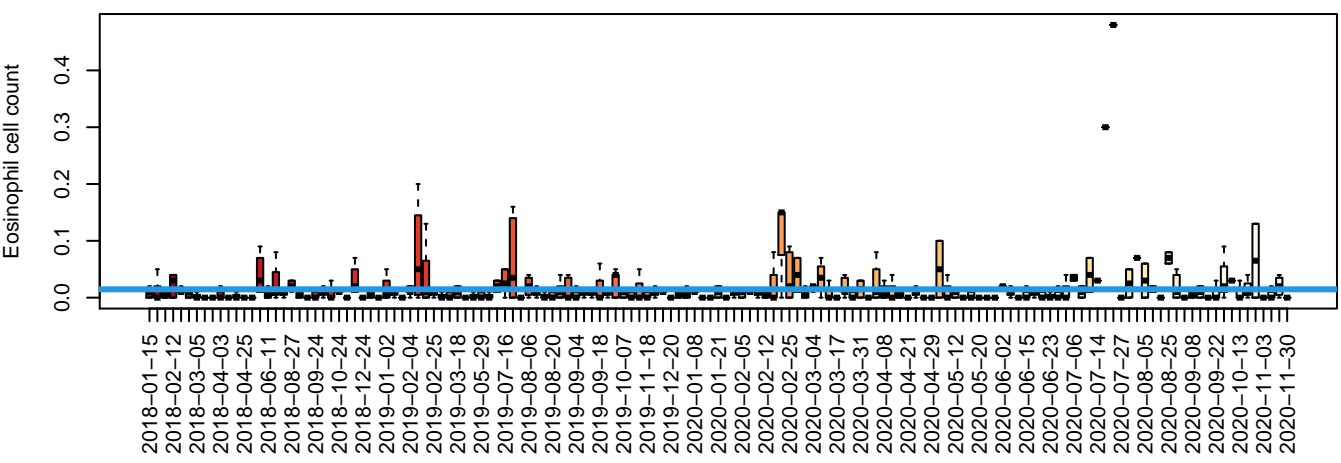
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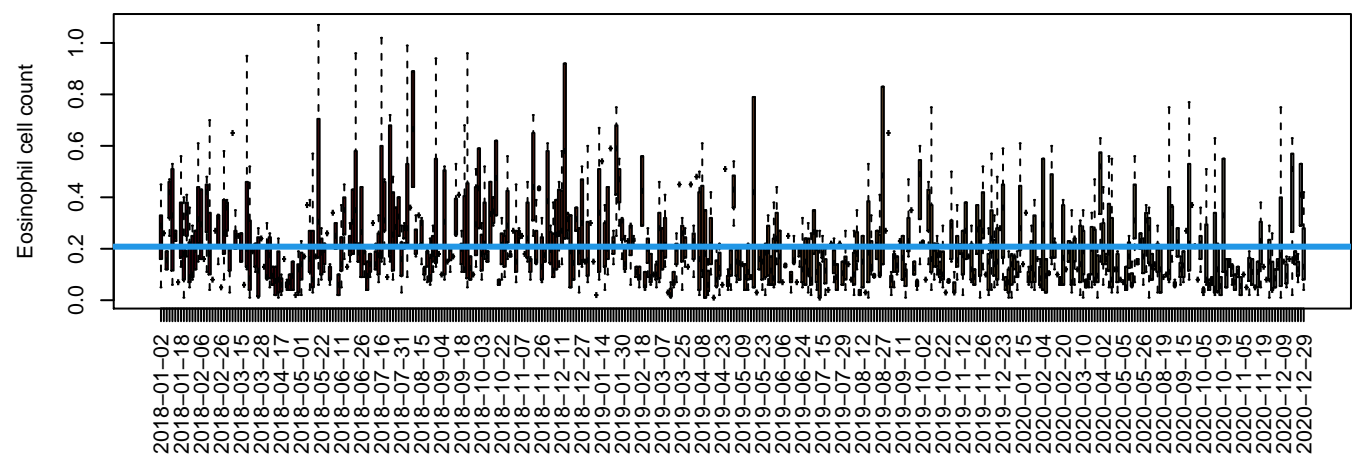
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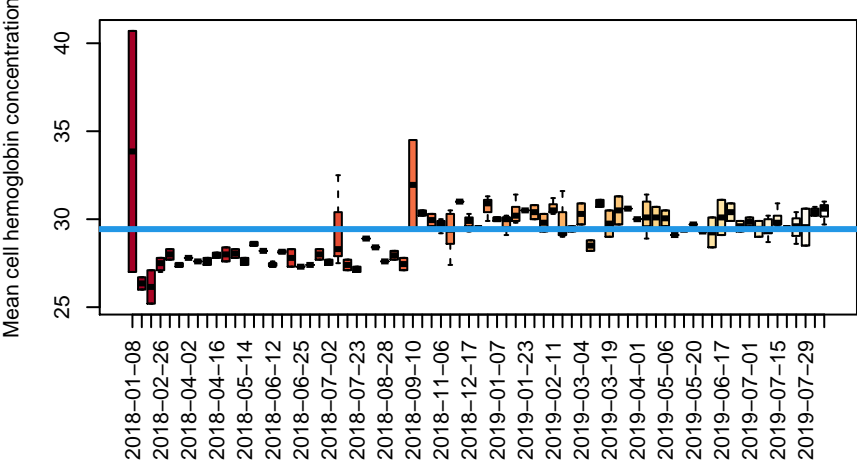


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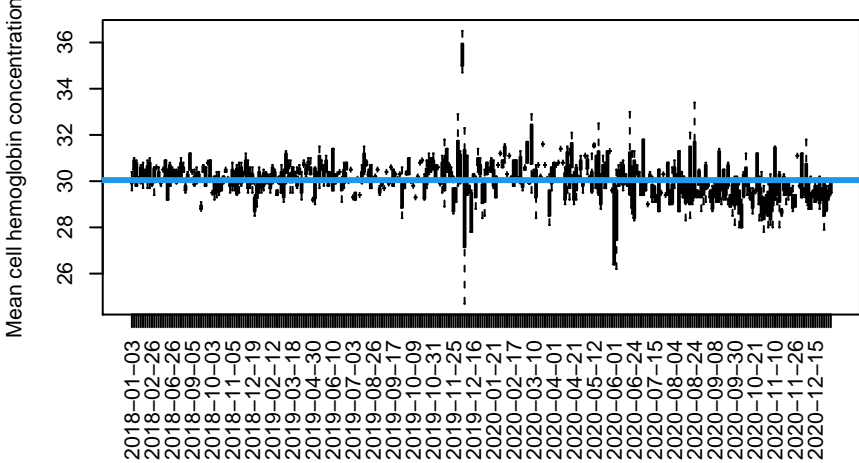




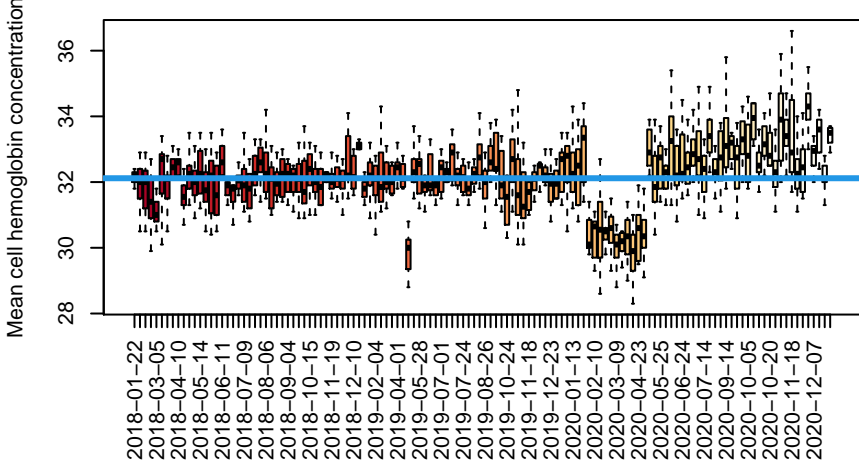
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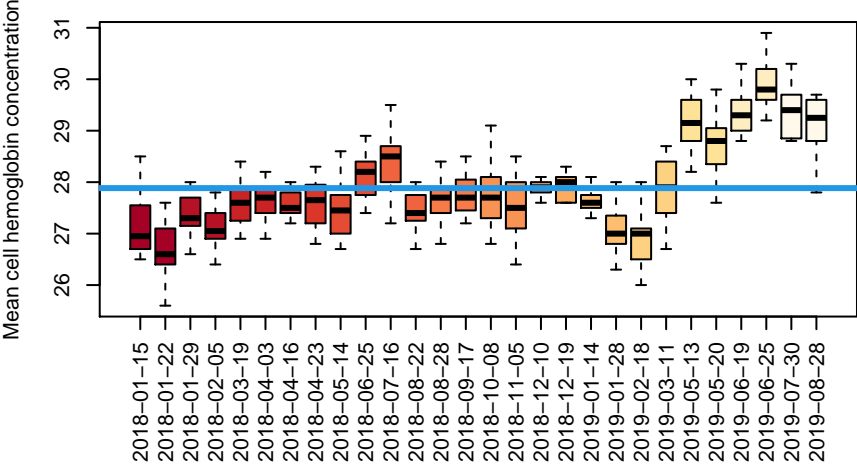
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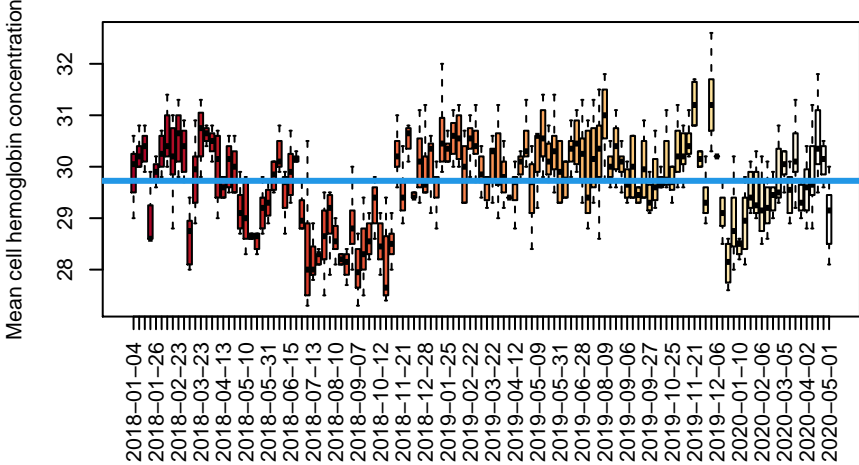
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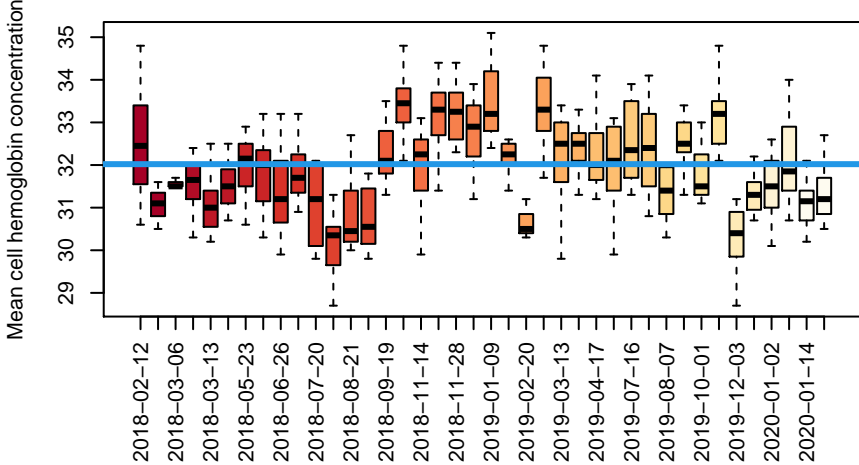
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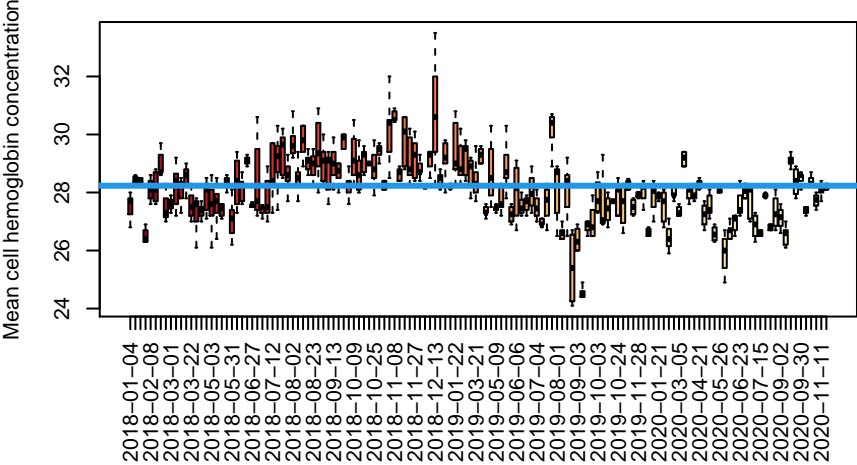
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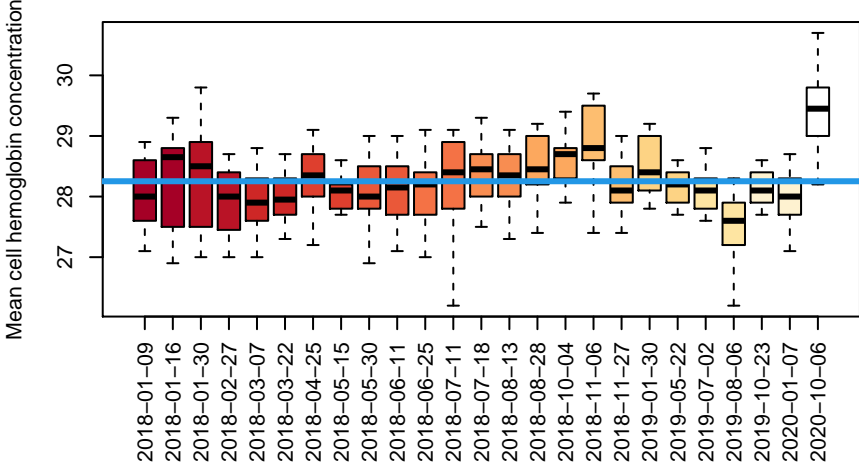
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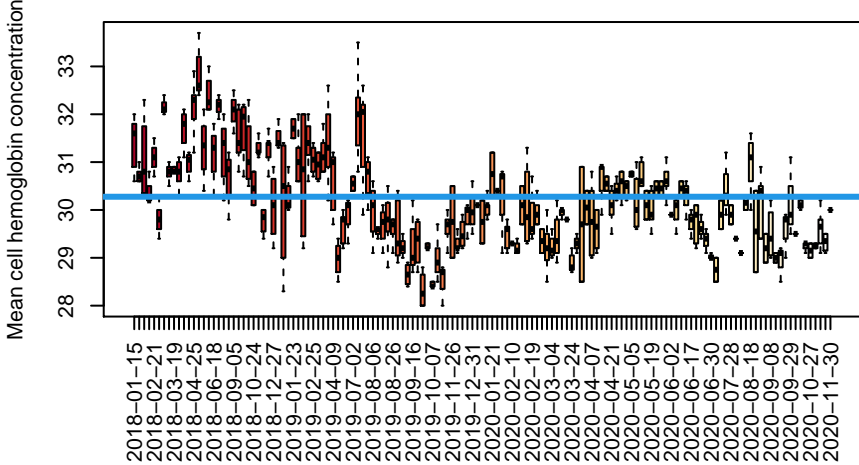
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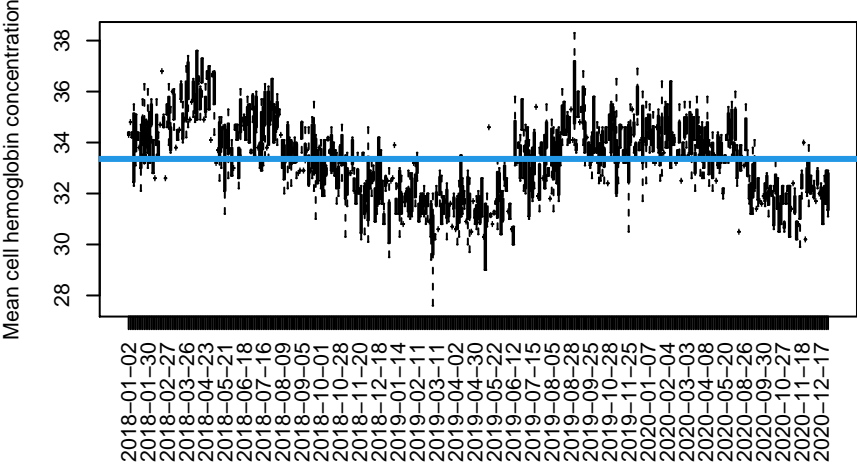
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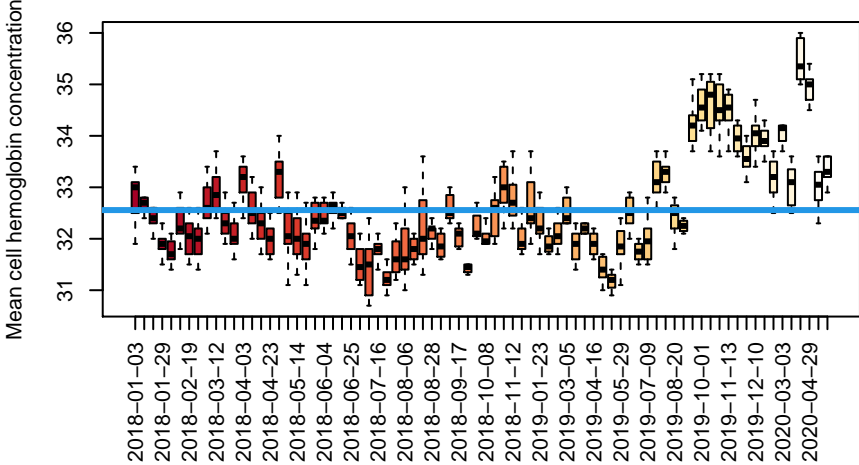
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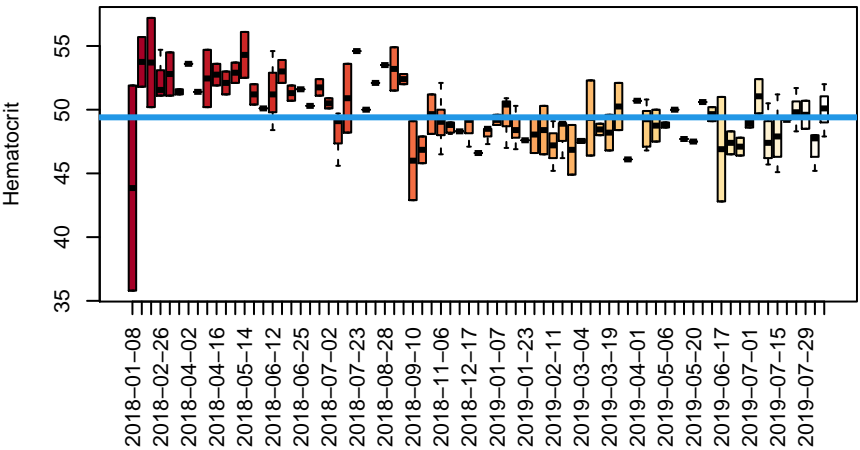
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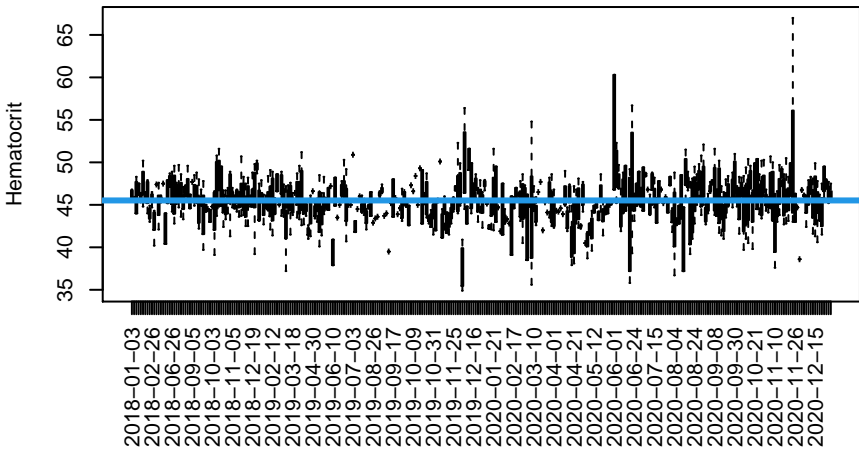
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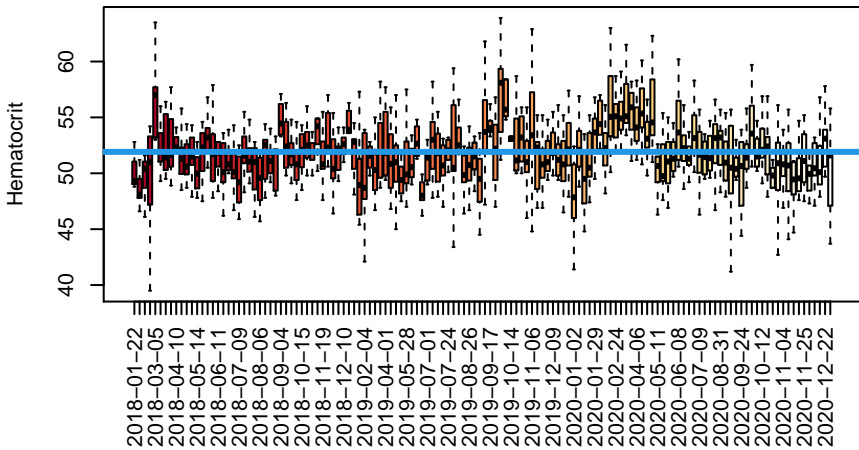
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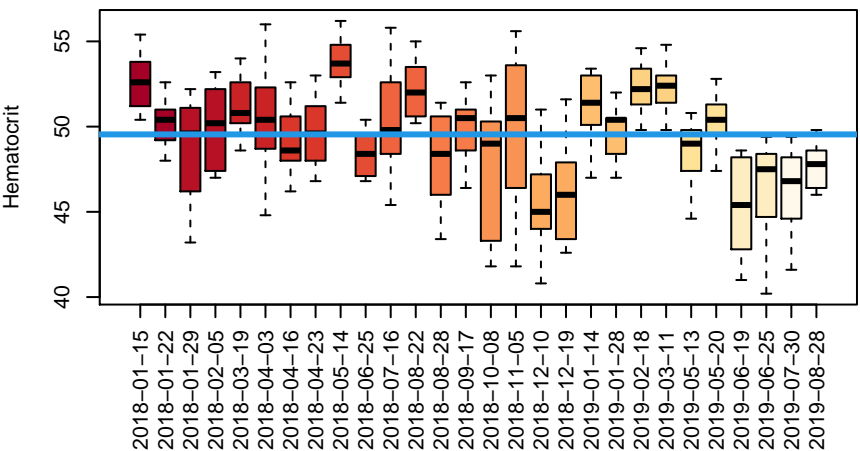
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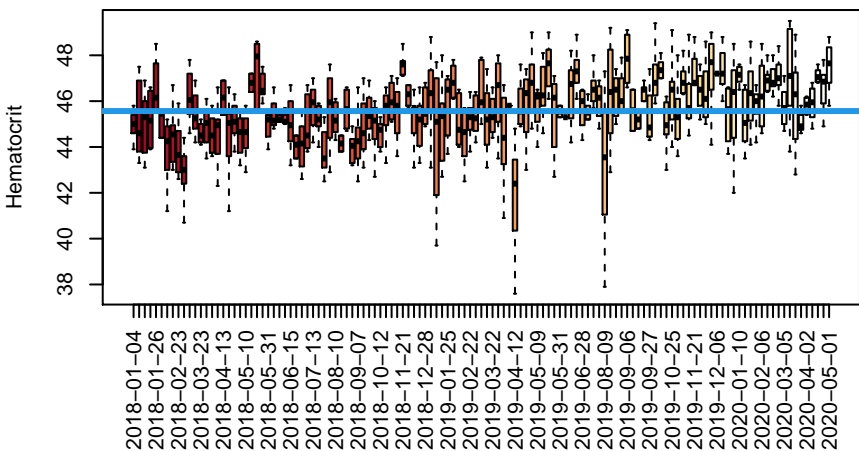
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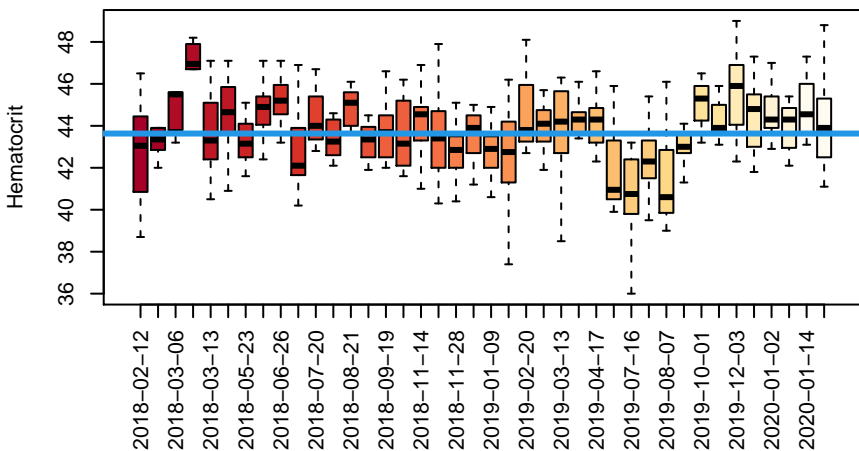
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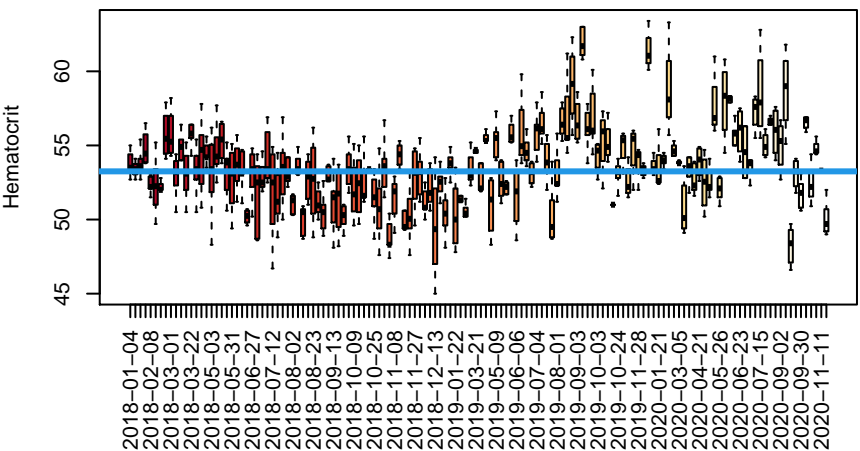
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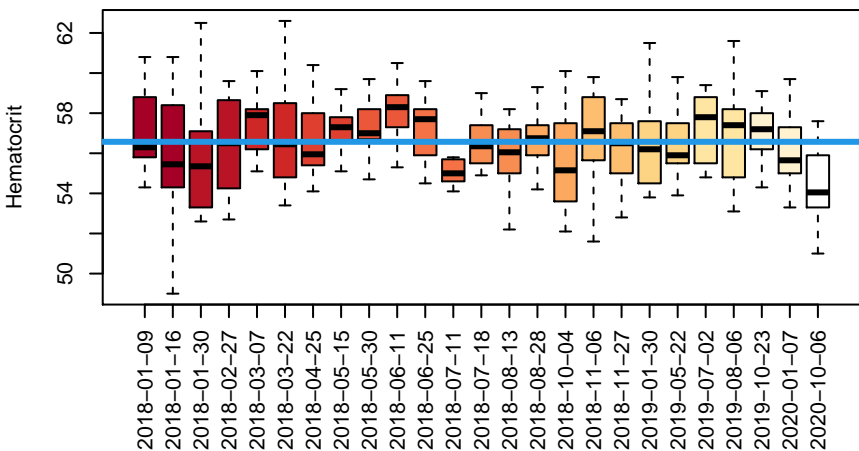
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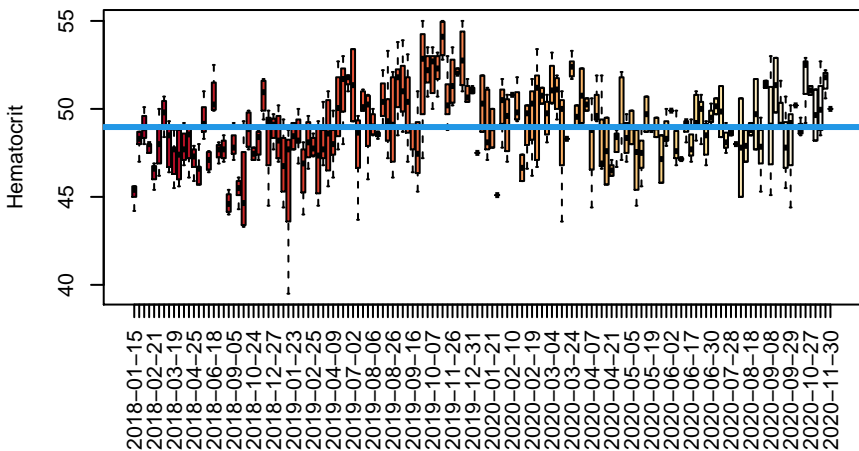
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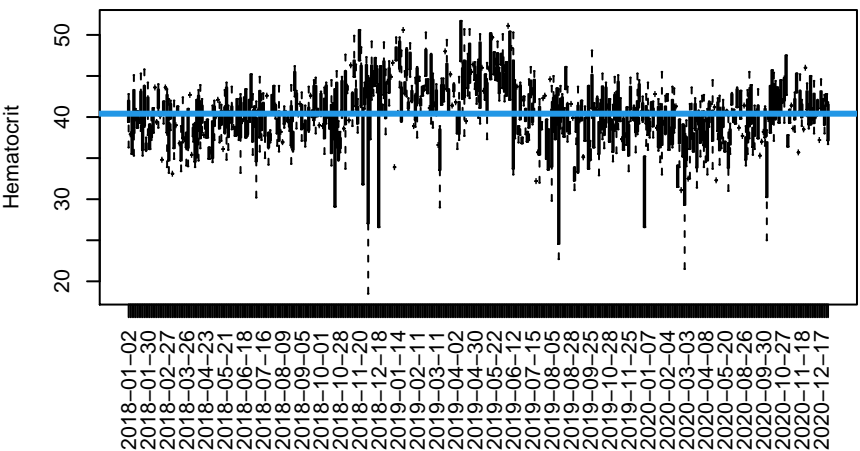
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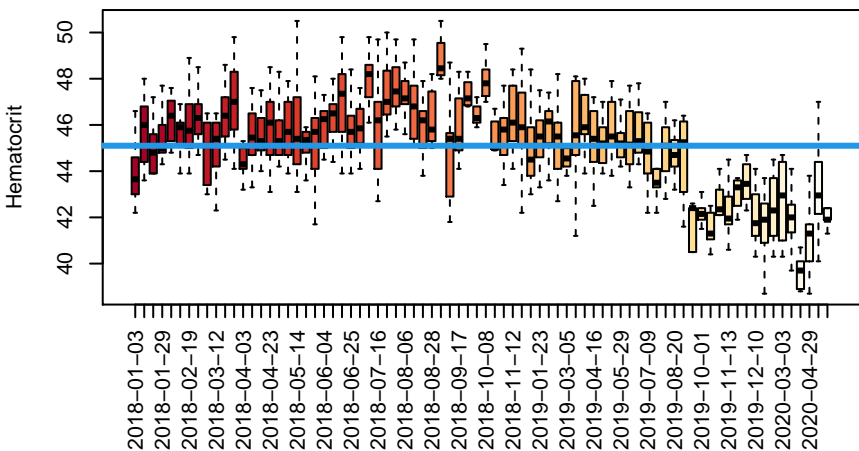
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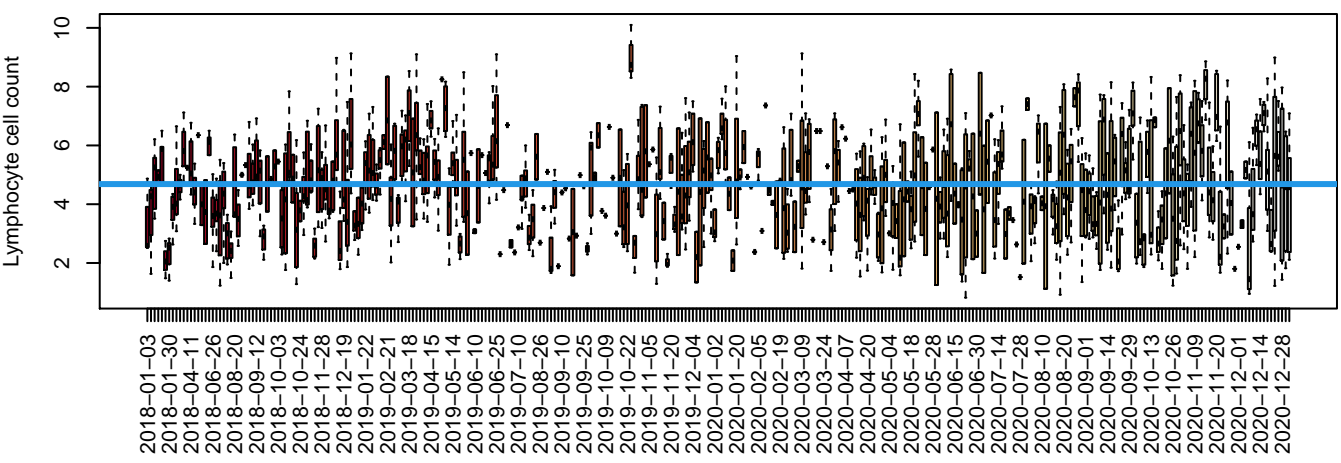
IMPC centre: UC Davis



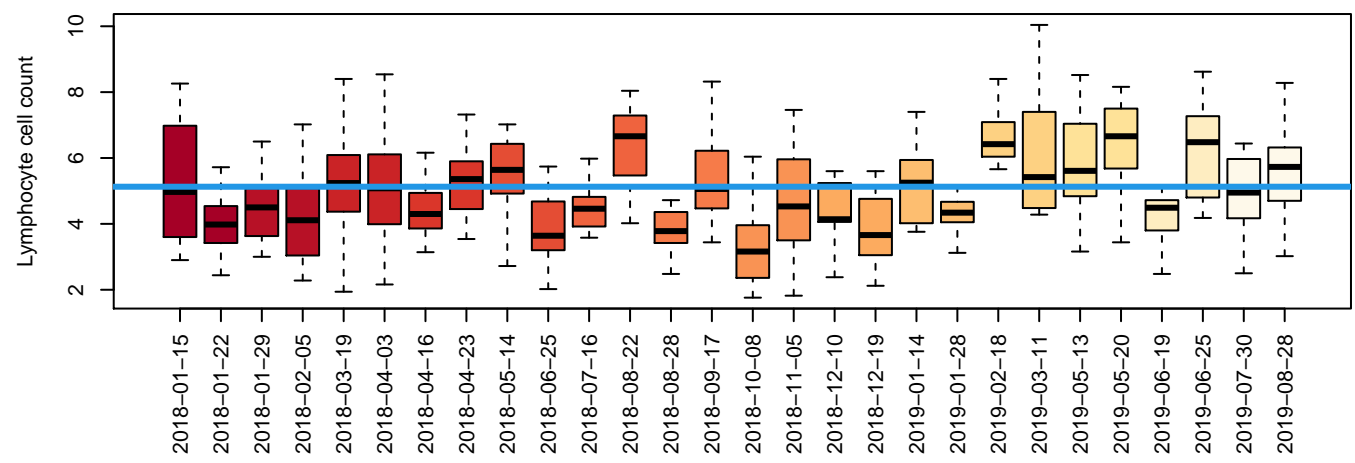
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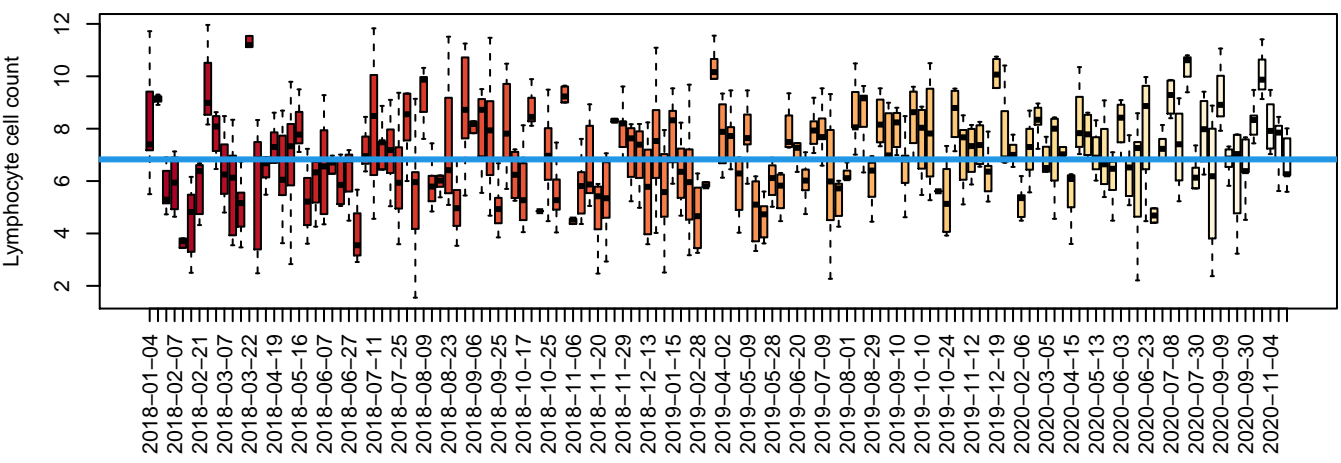
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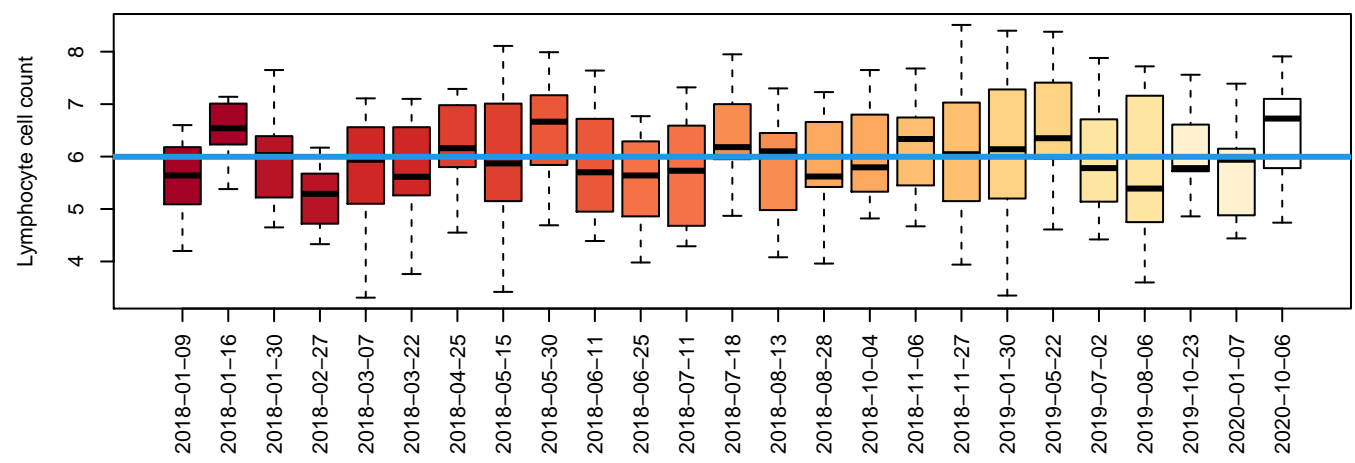
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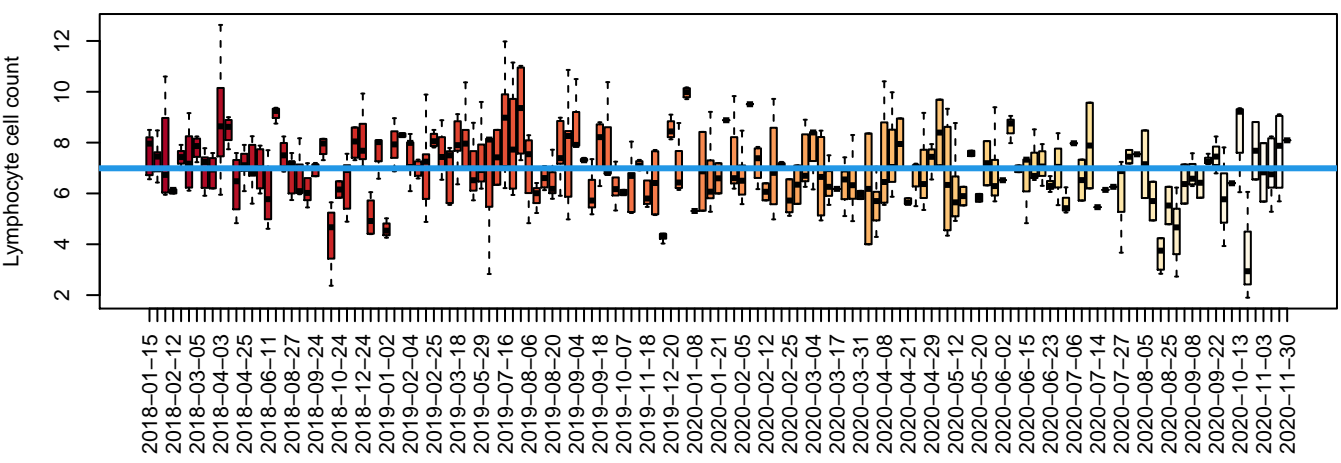
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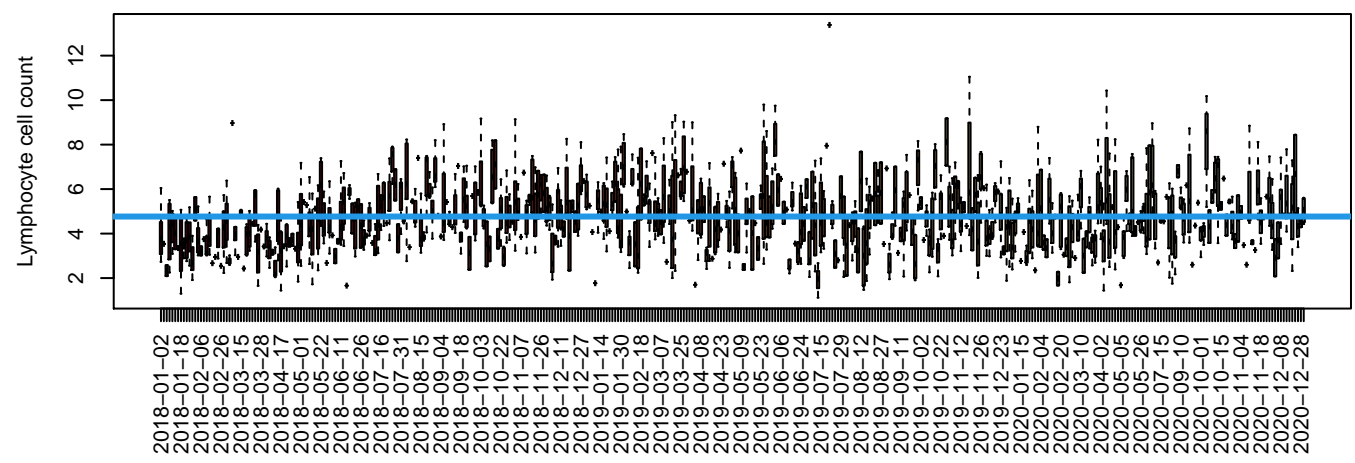
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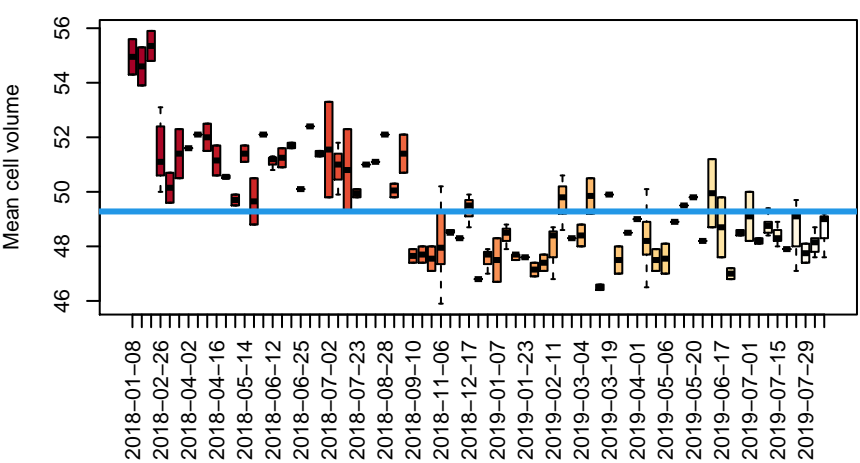


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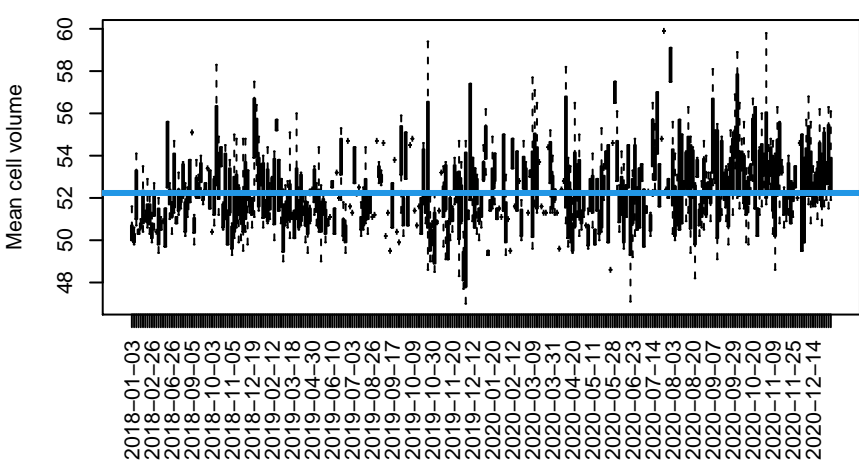




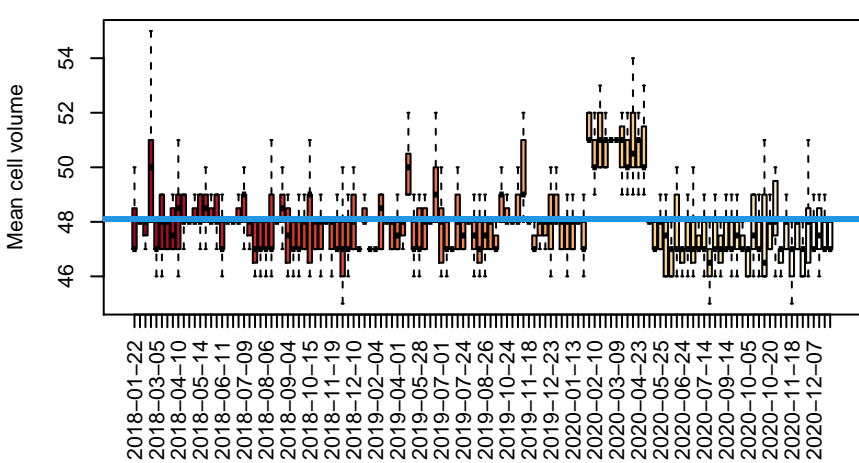
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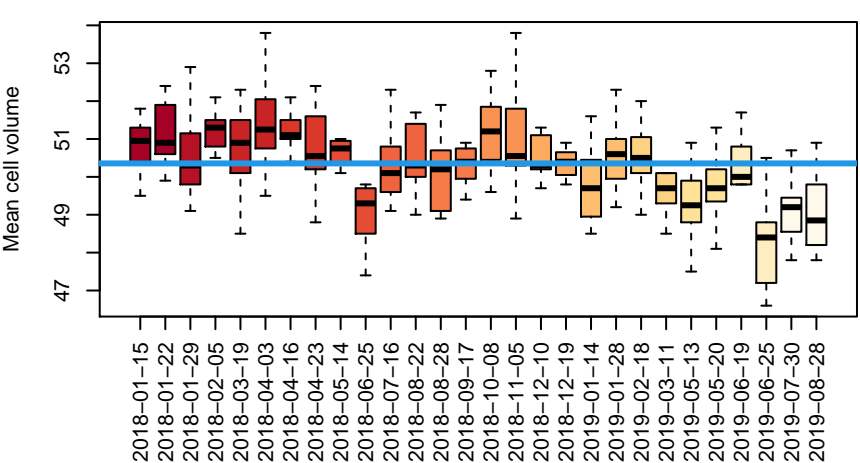
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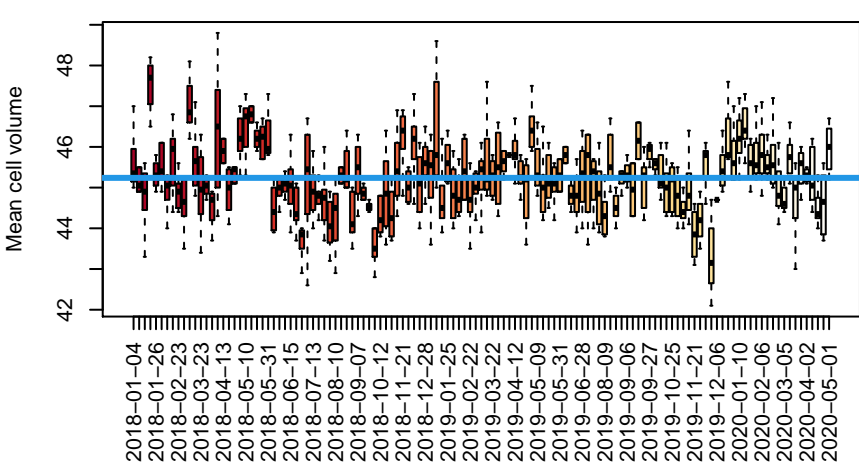
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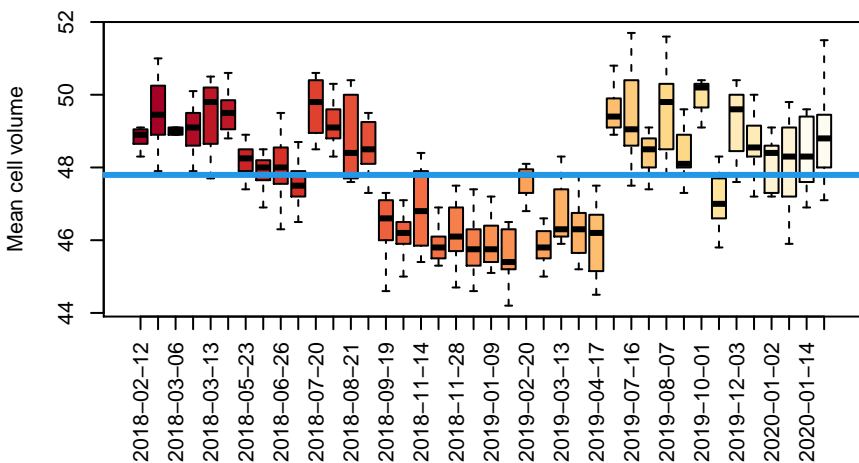
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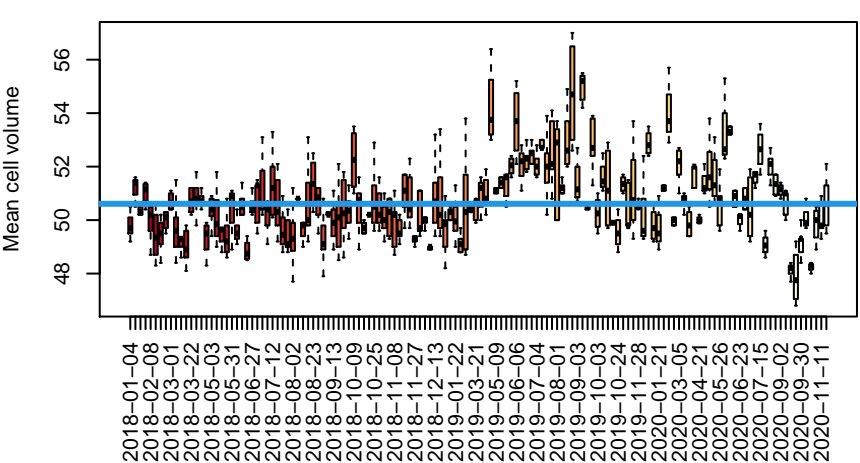
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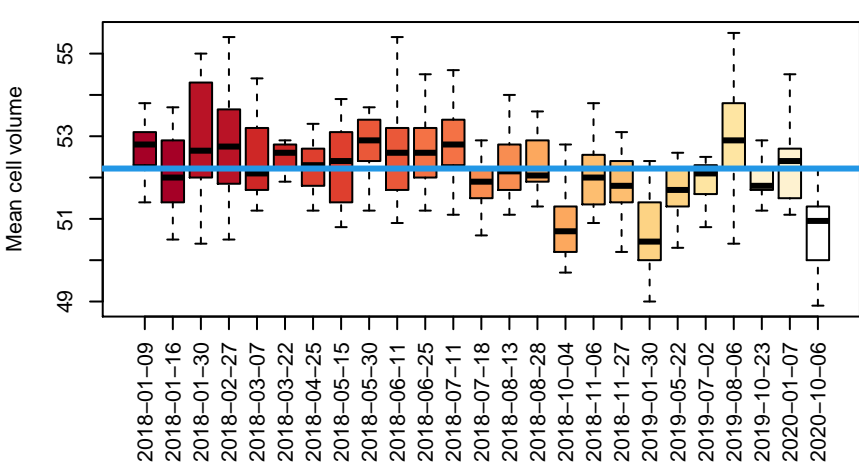
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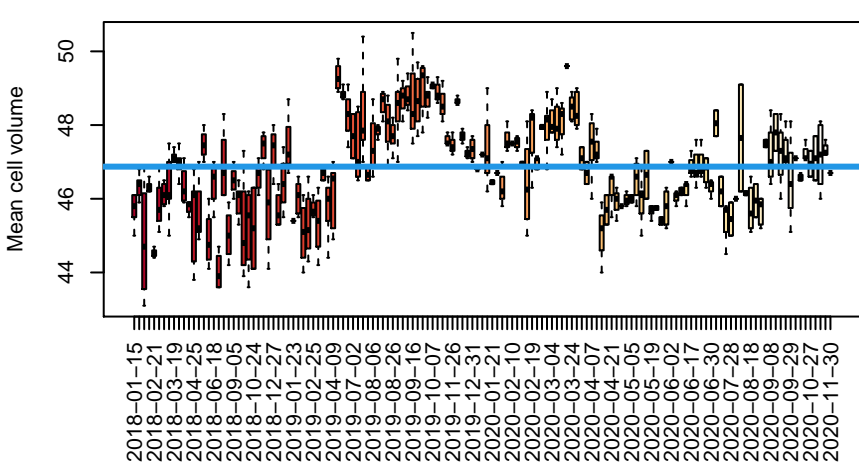
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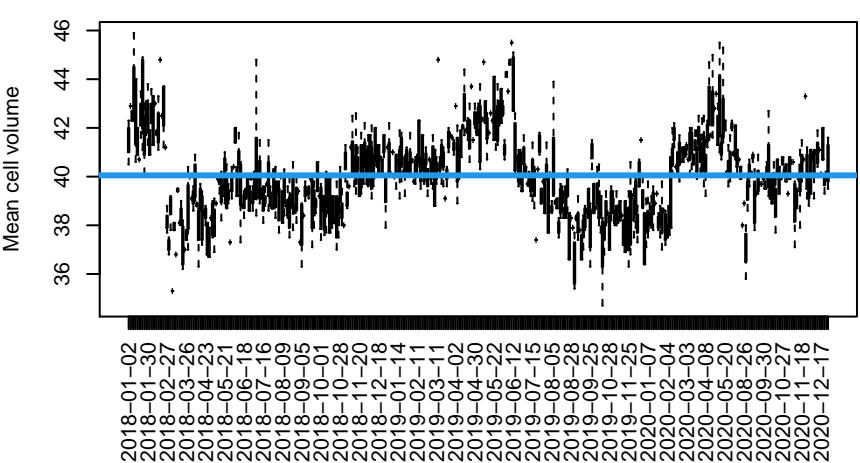
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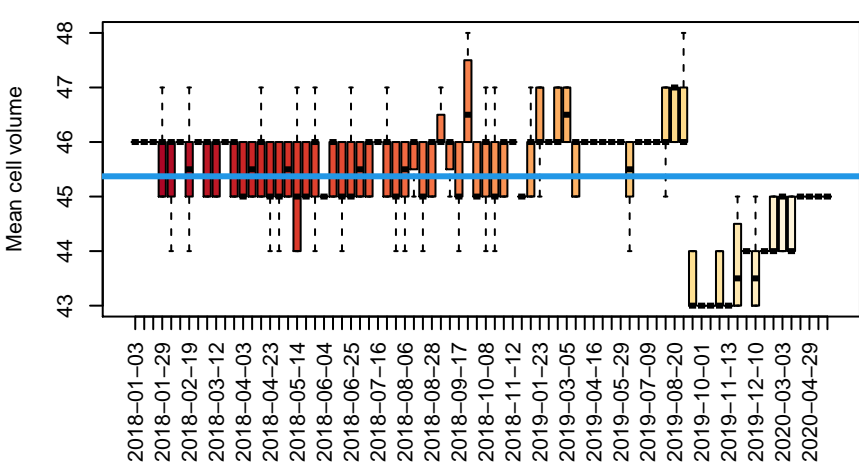
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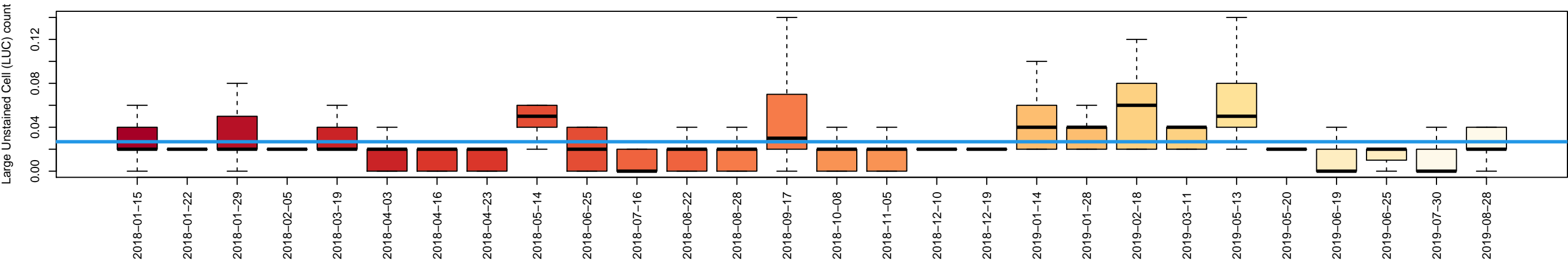
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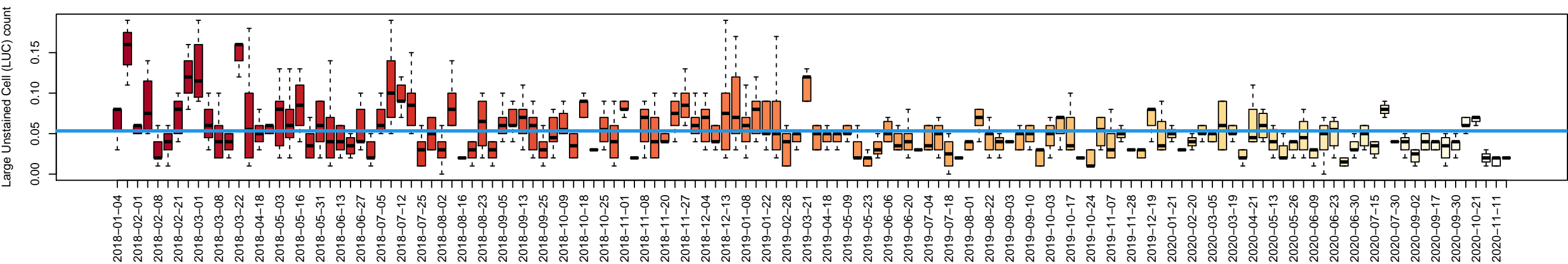
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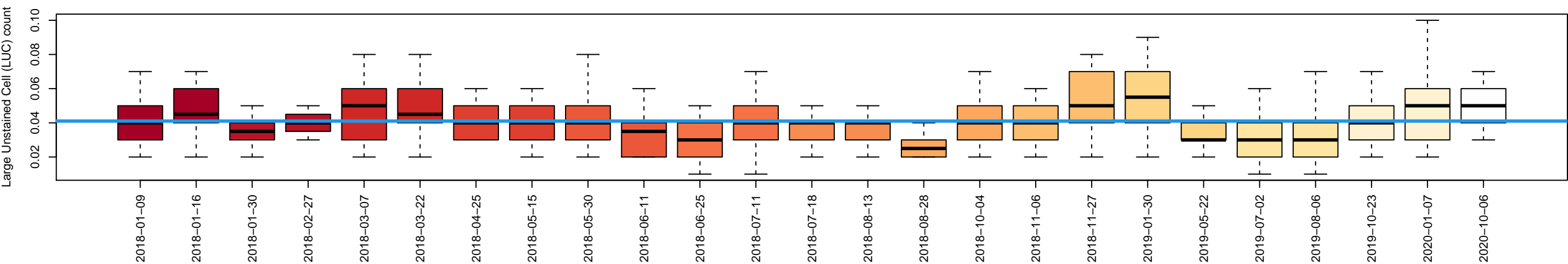
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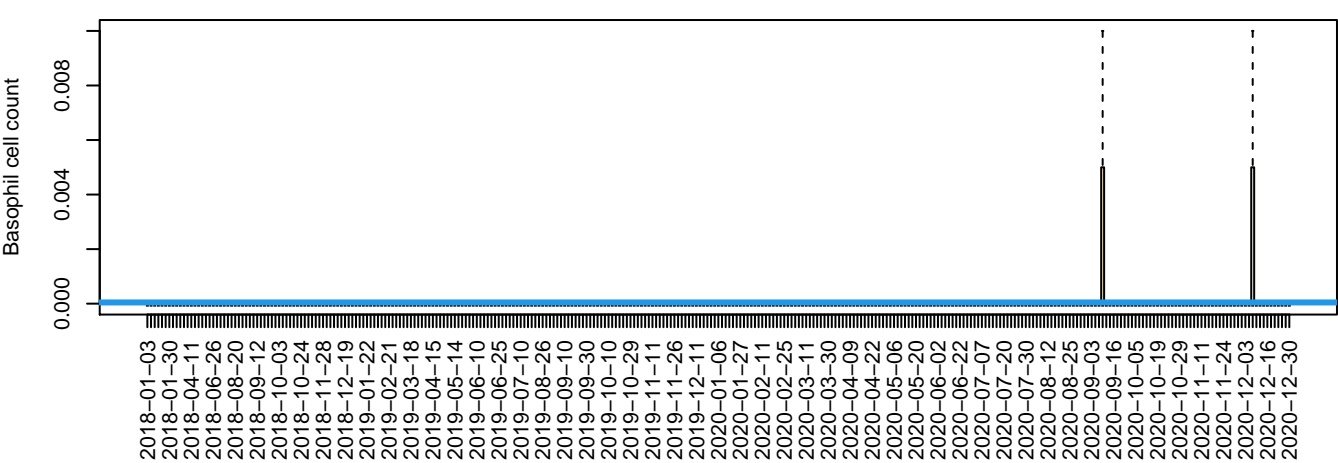
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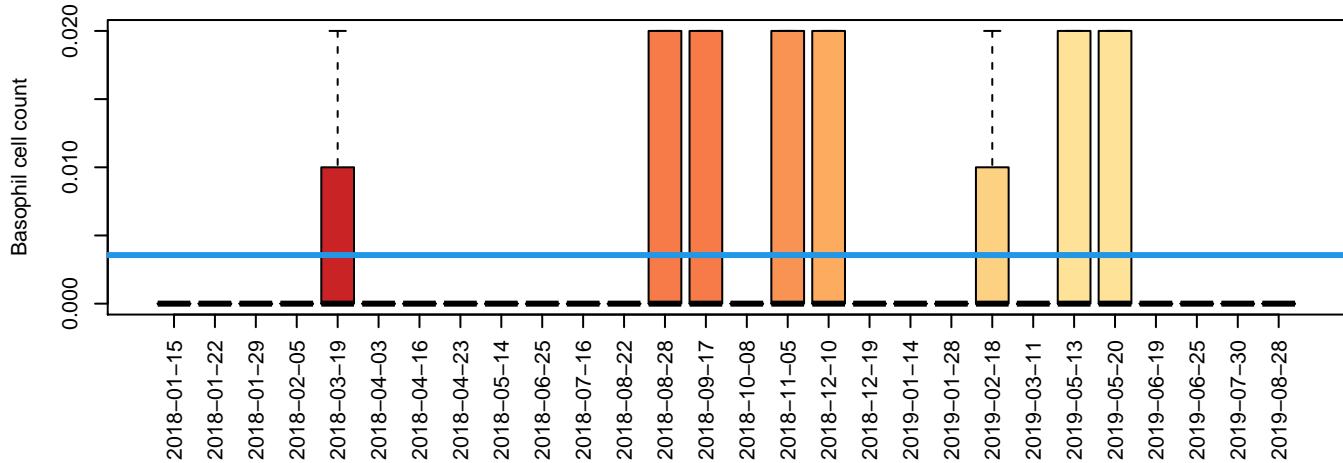
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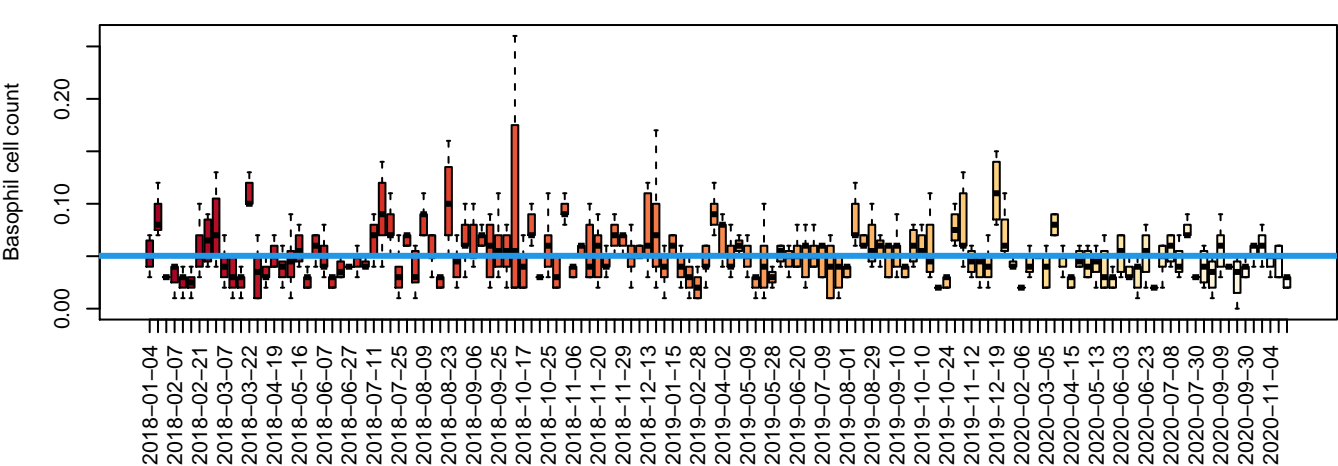
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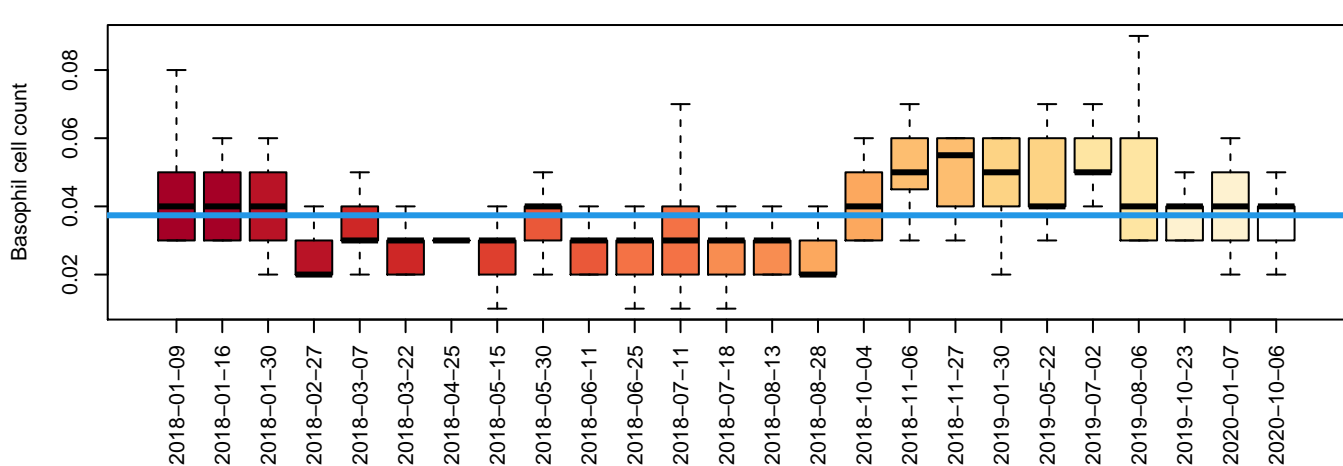
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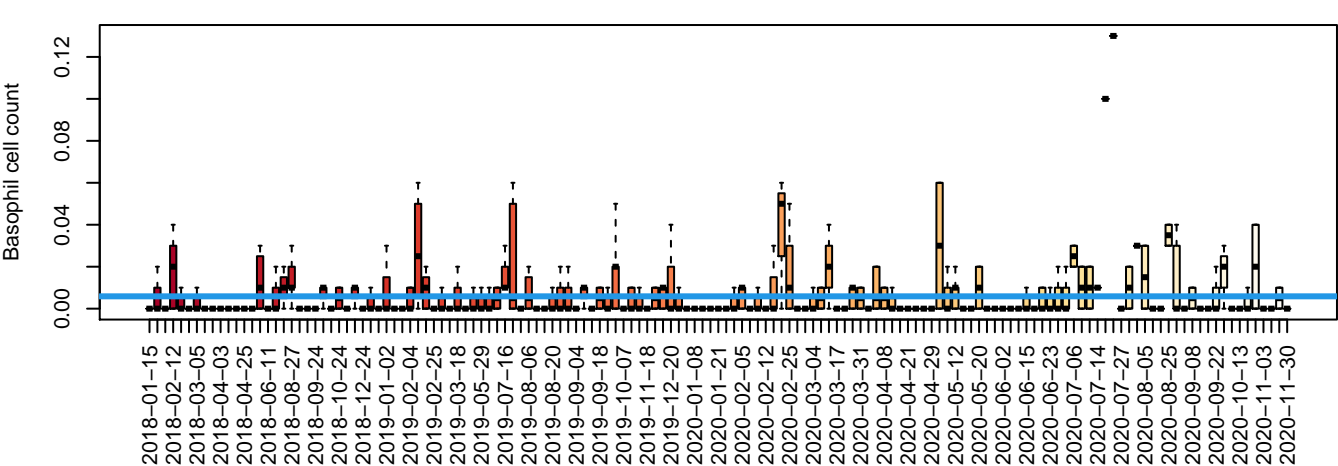
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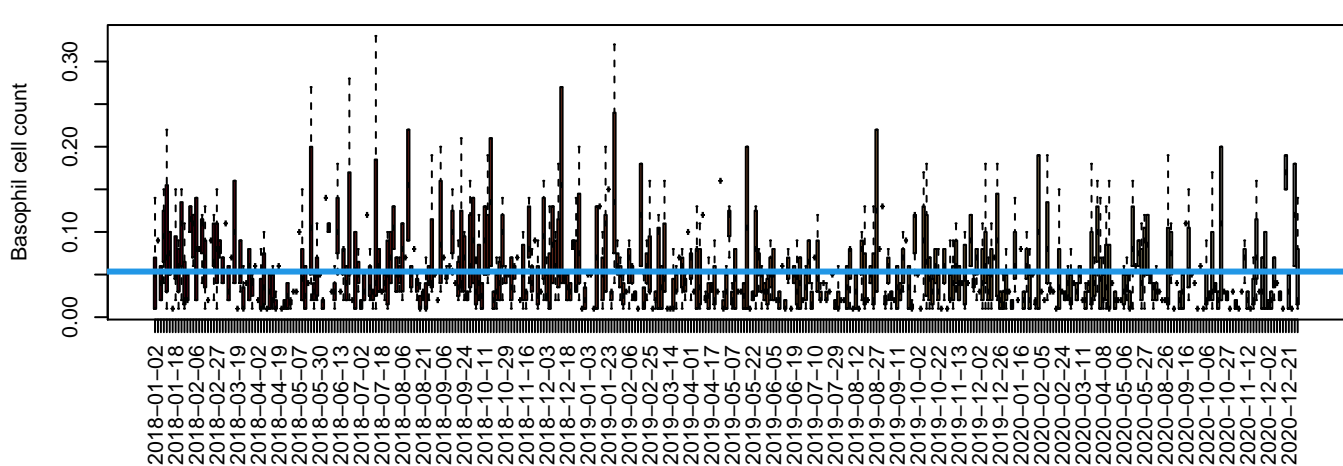
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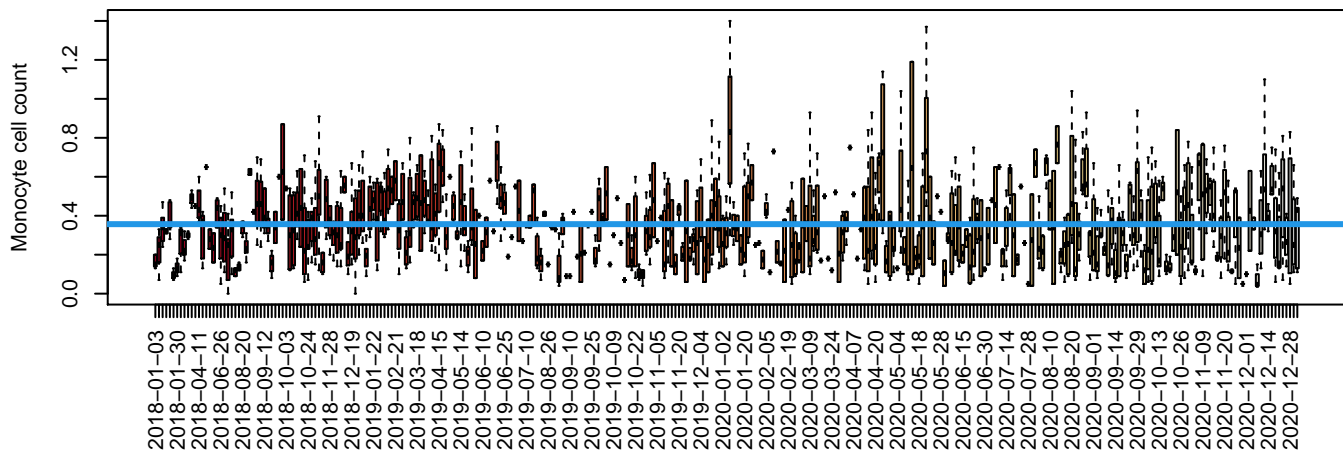
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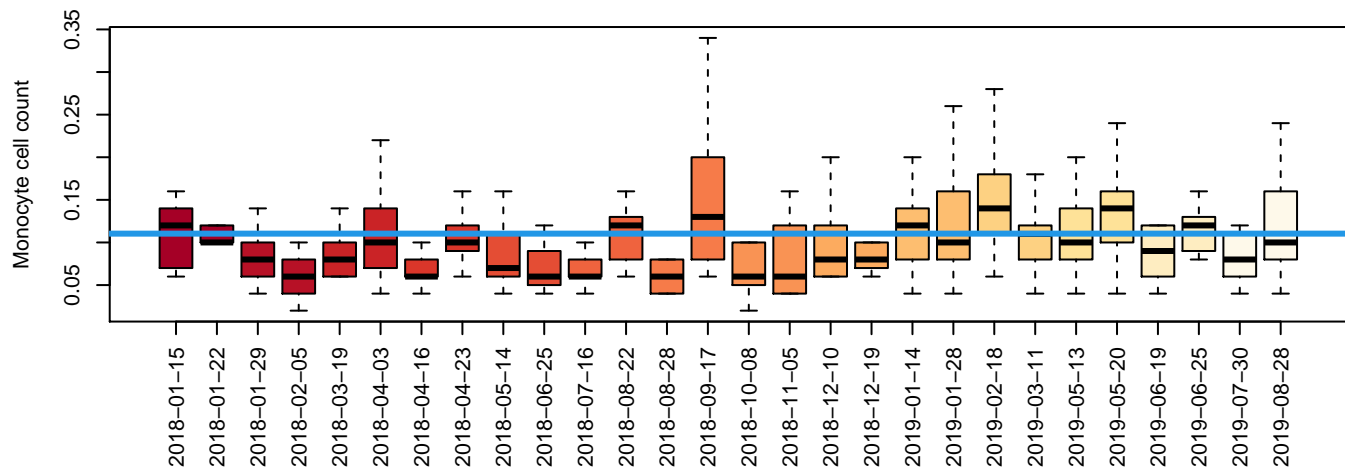
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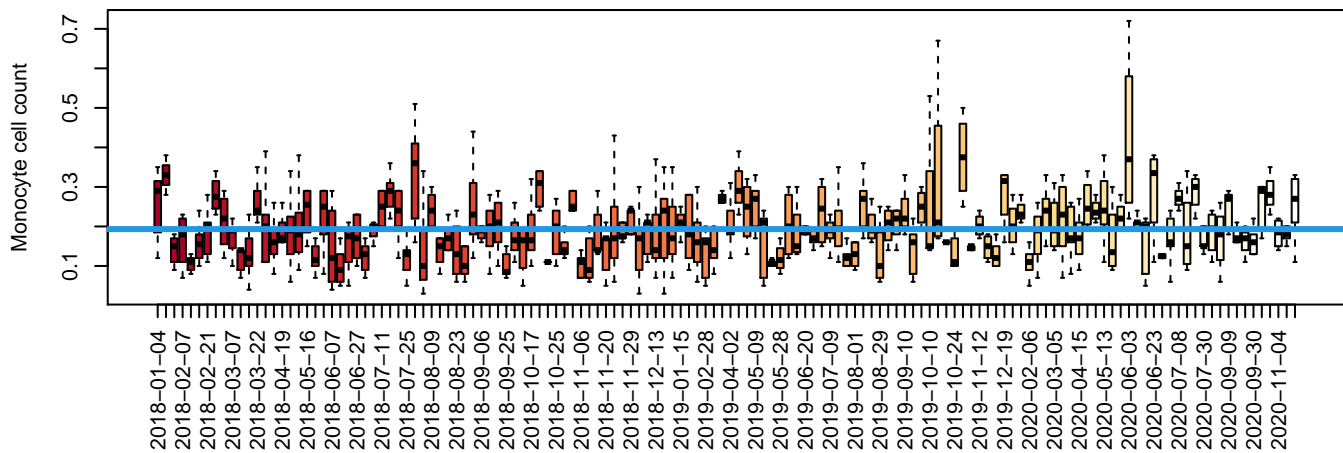
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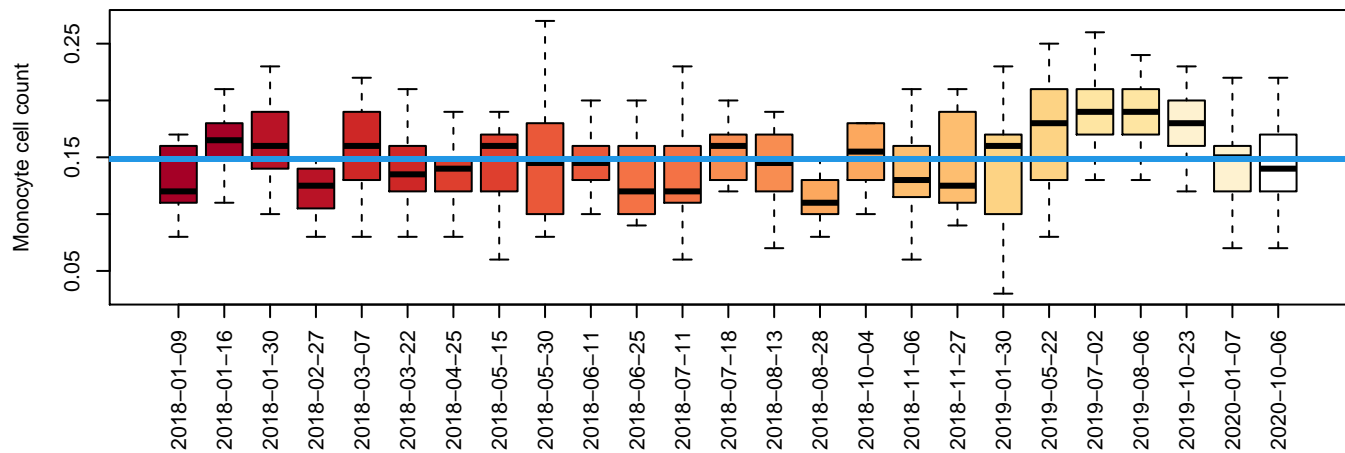
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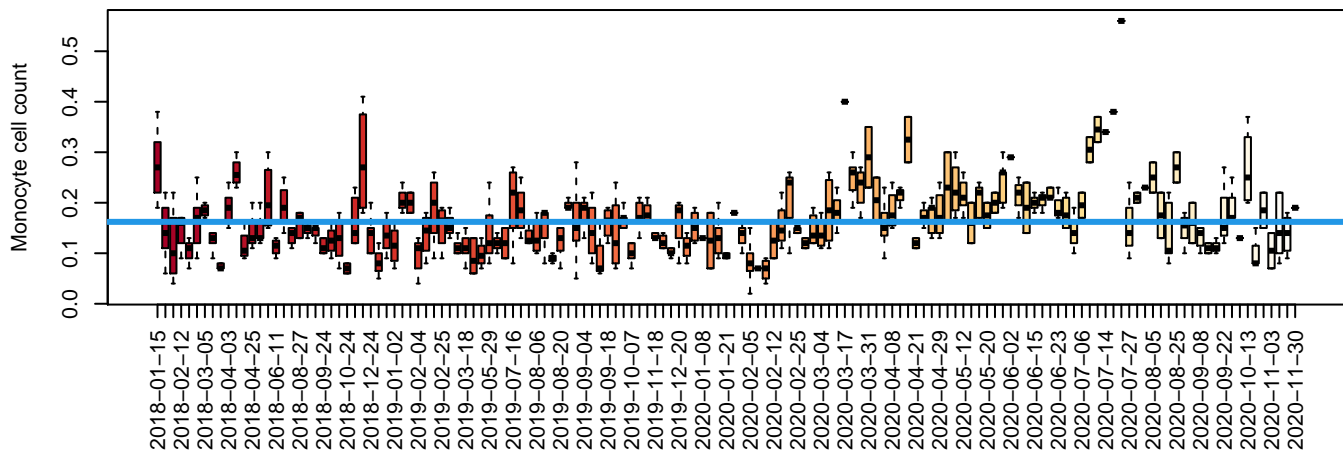
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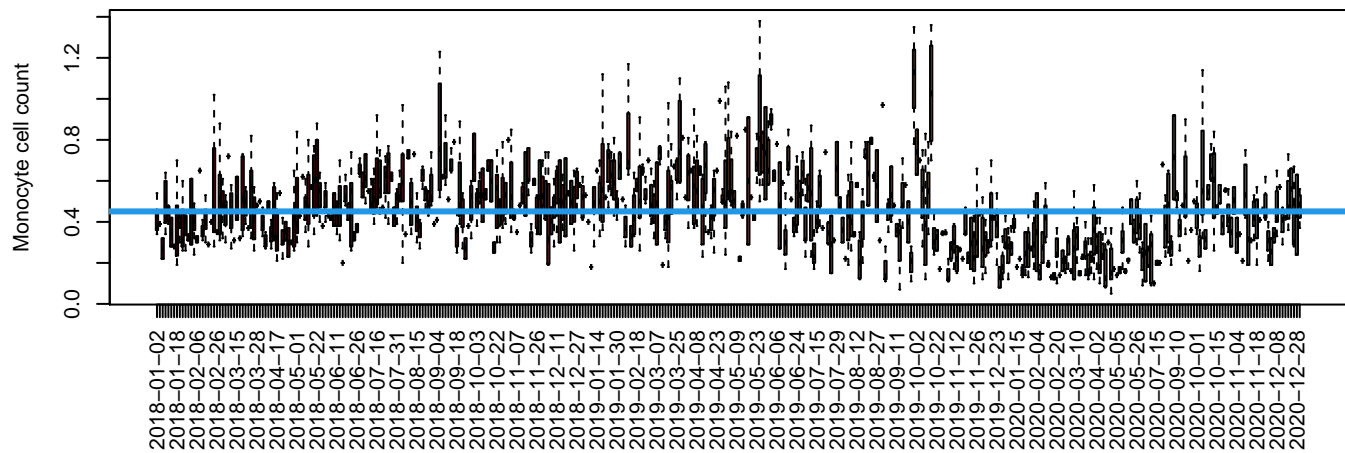
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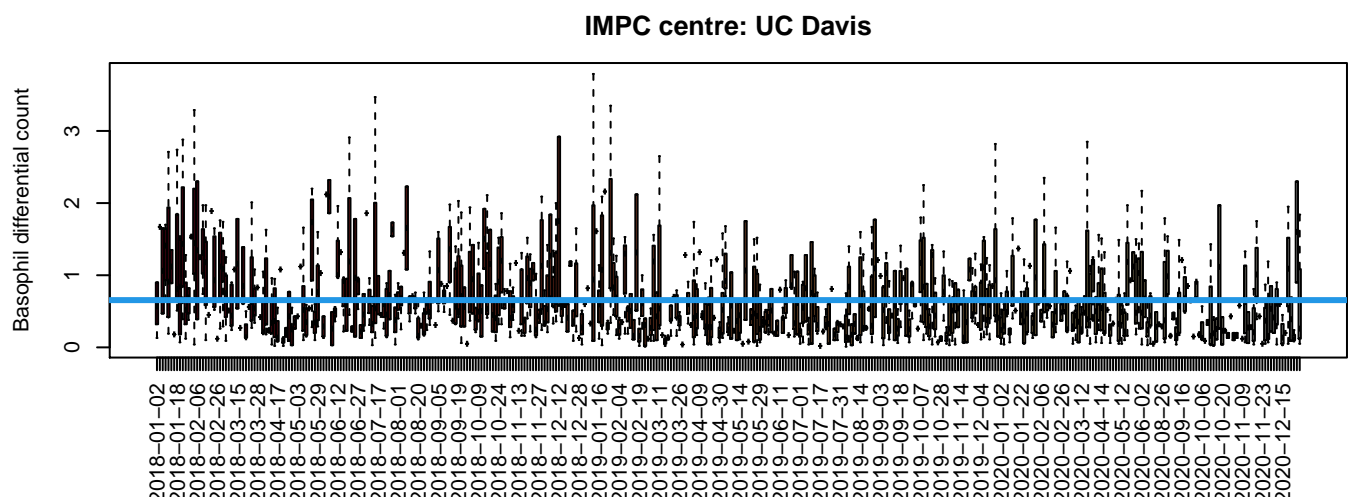
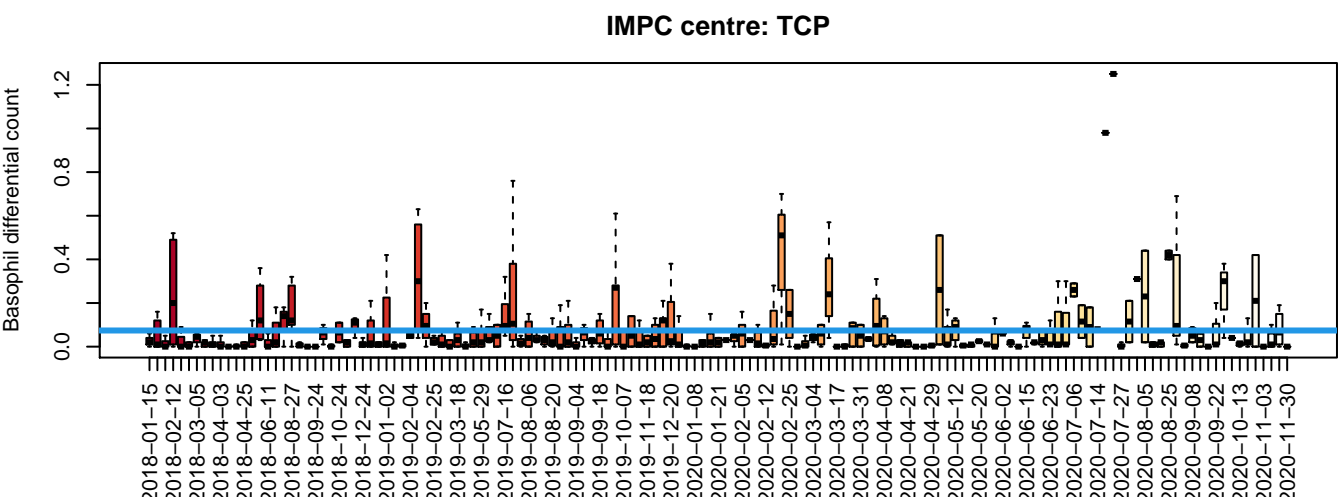
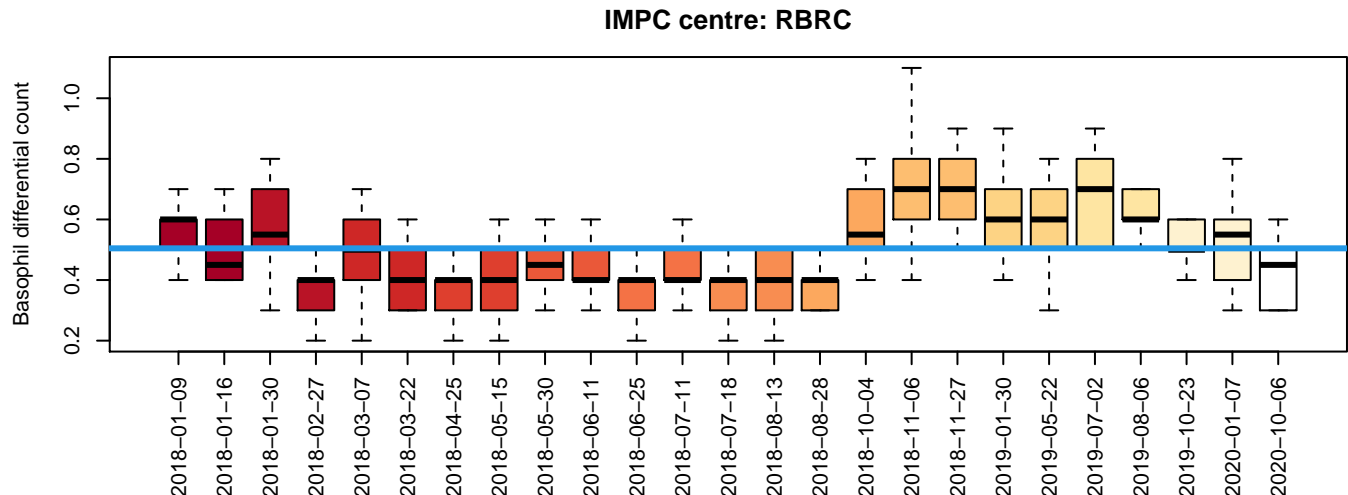
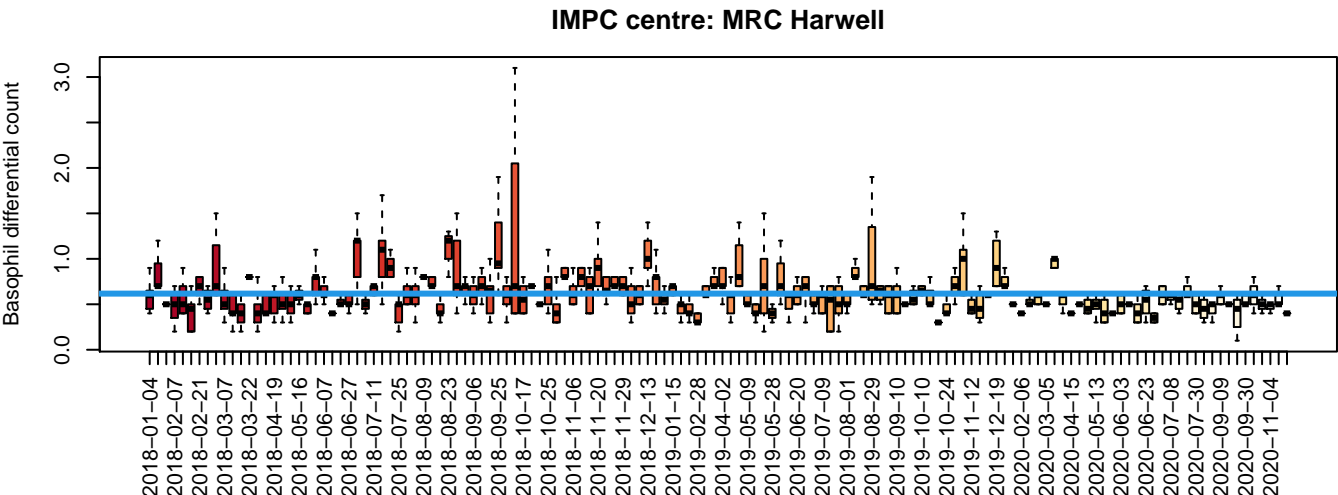
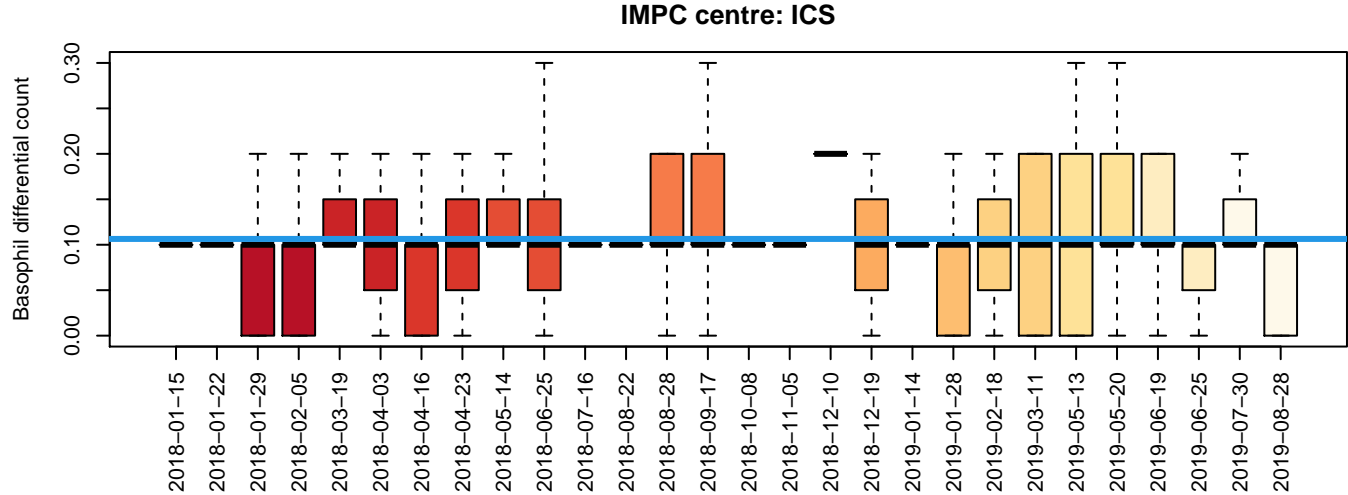
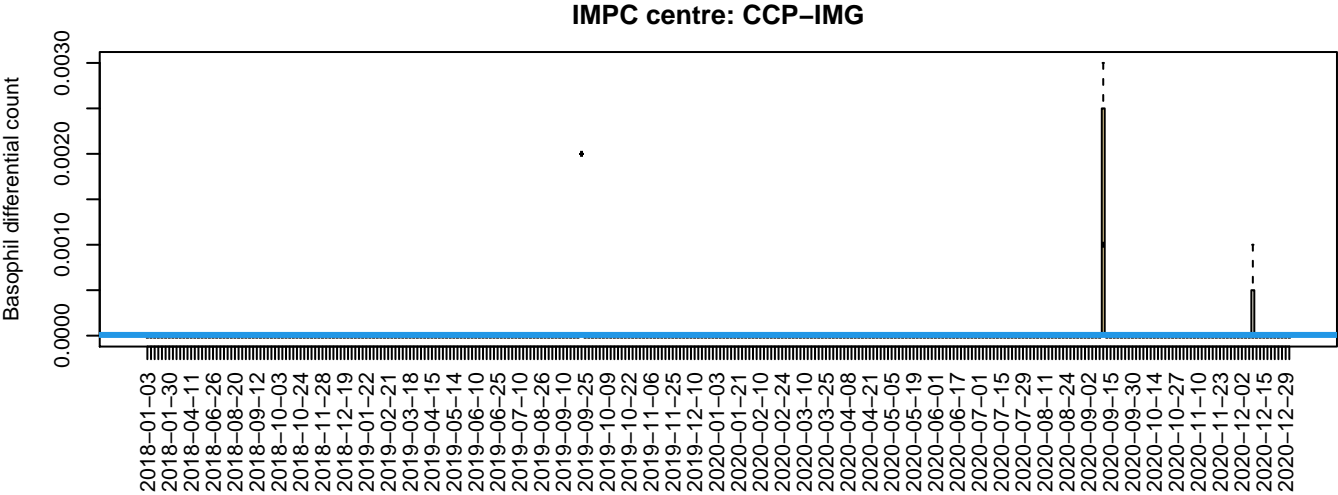


IMPC centre: TCP

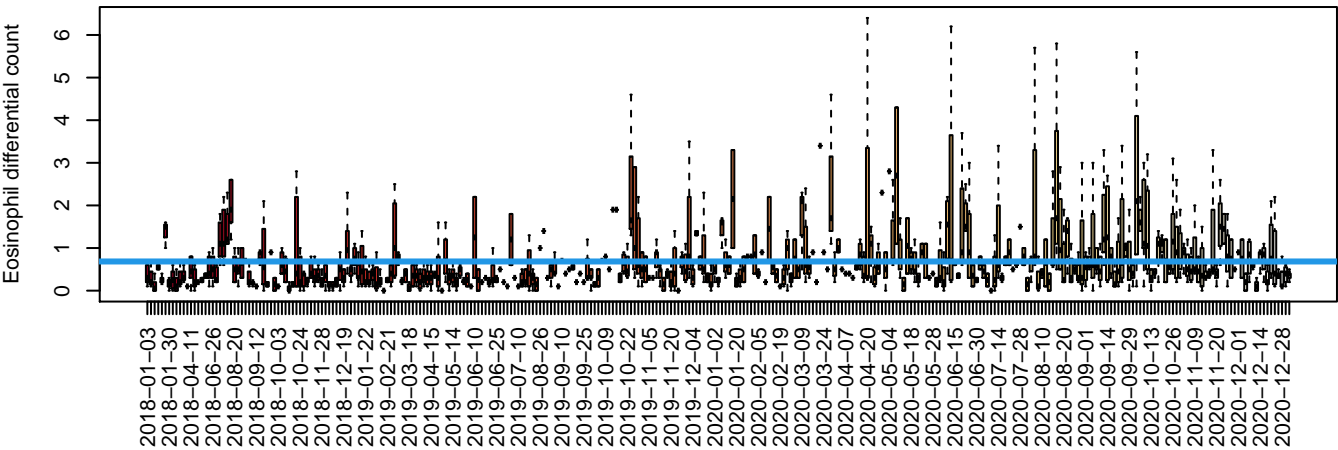


IMPC centre: UC Davis

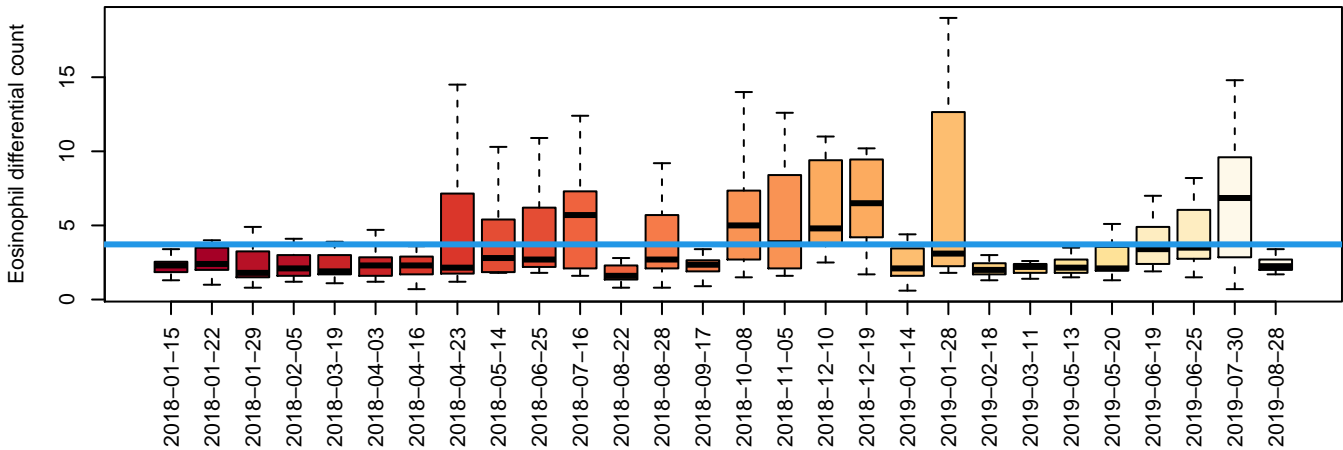




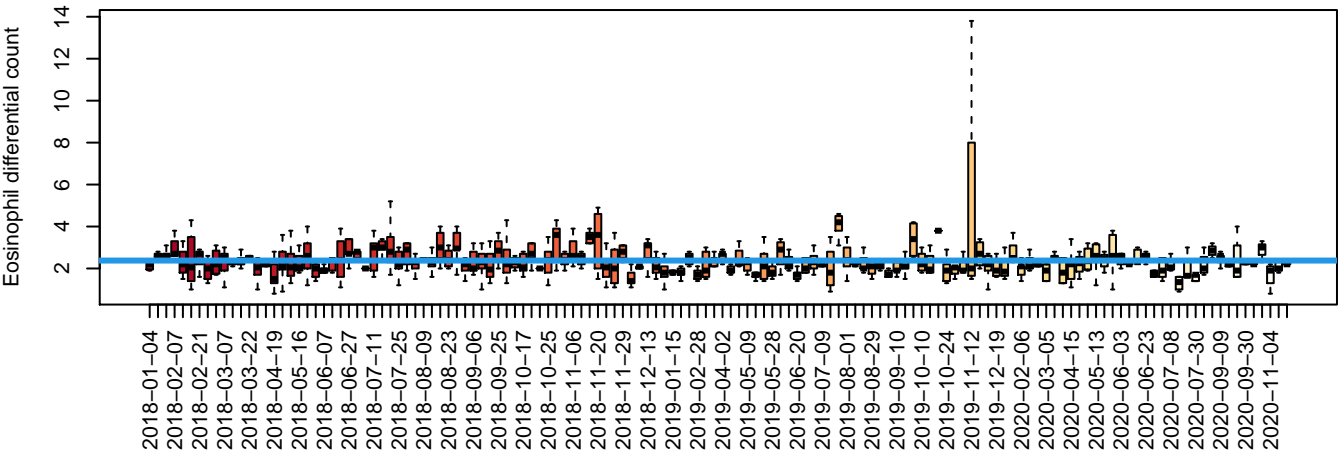
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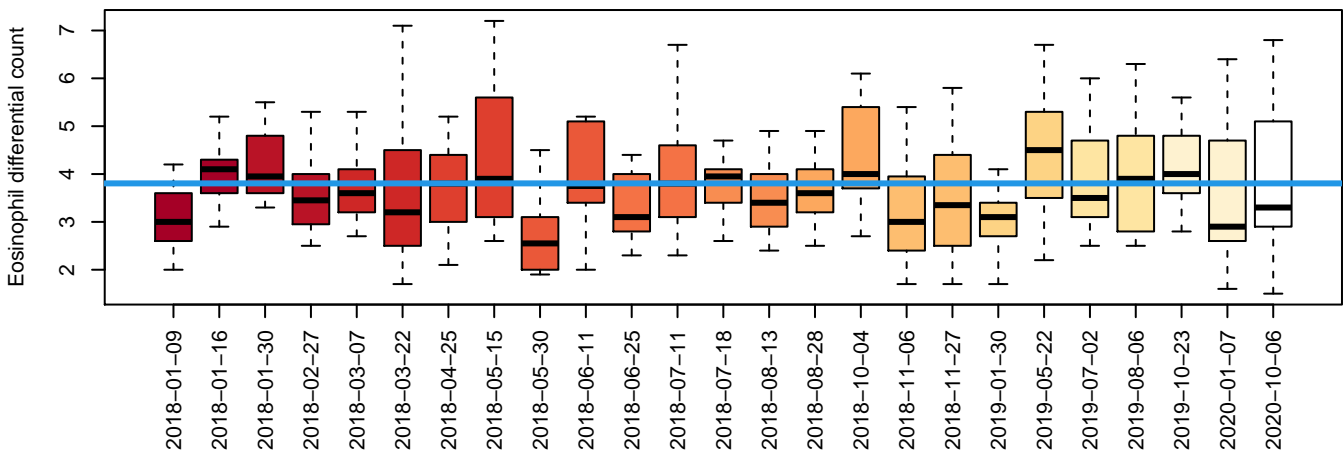
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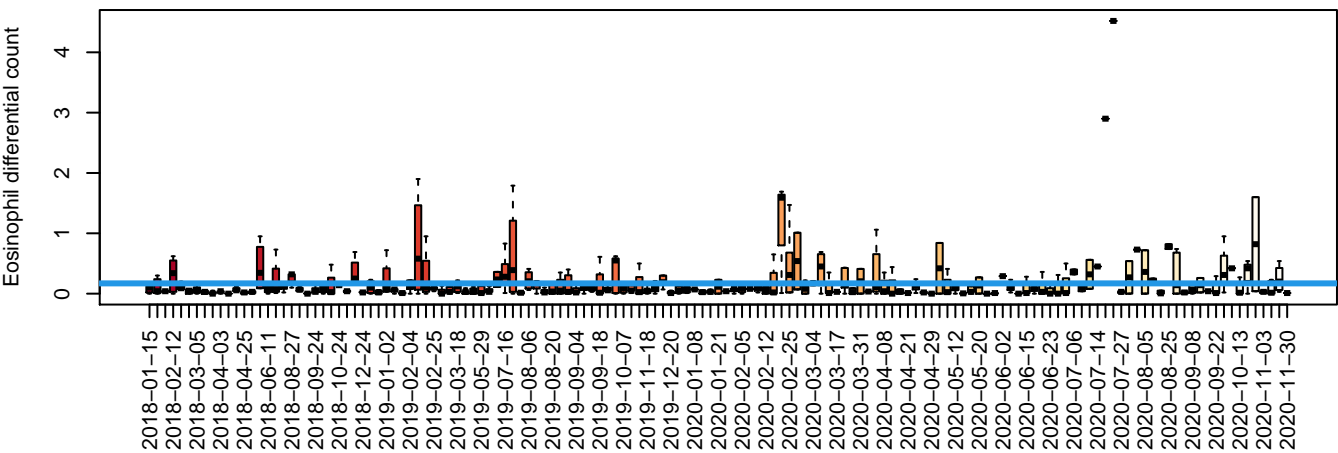
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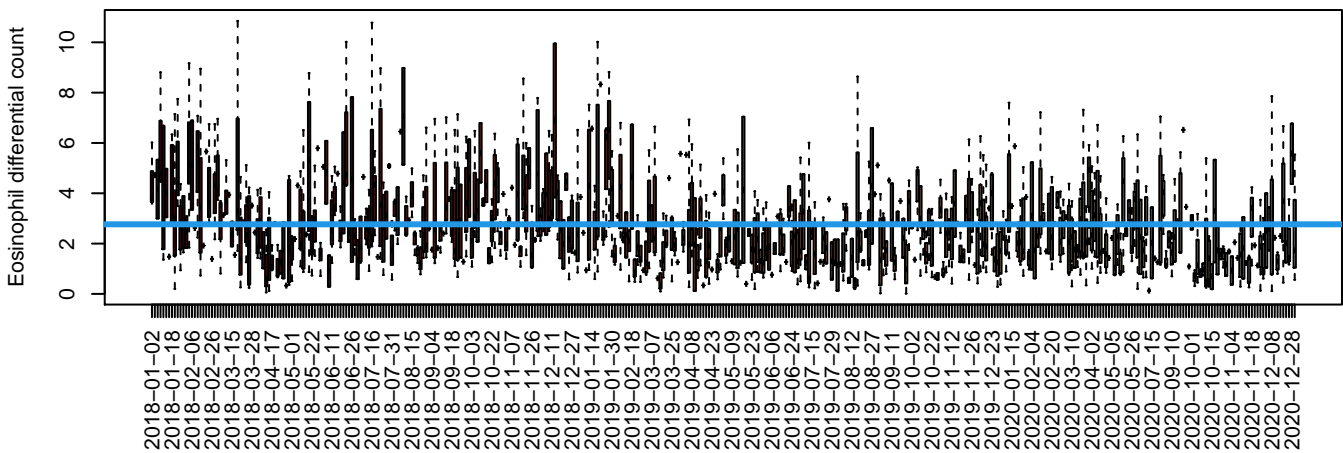
IMPC centre: RBRC



IMPC centre: TCP

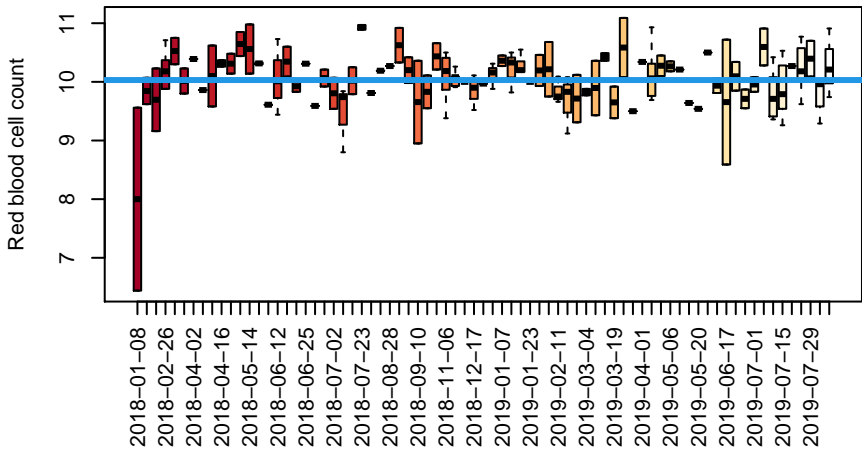


IMPC centre: UC Davis

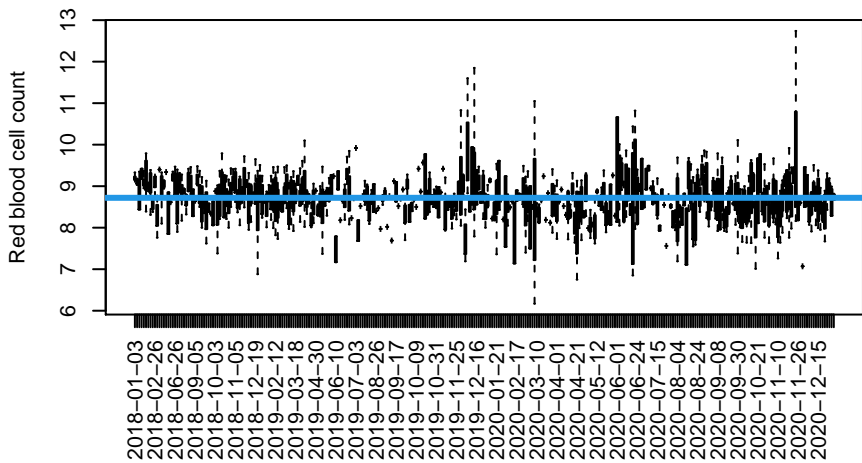




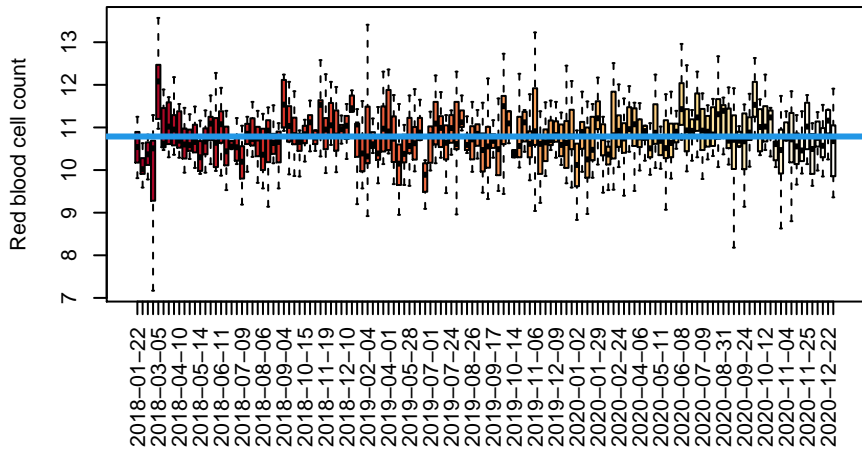
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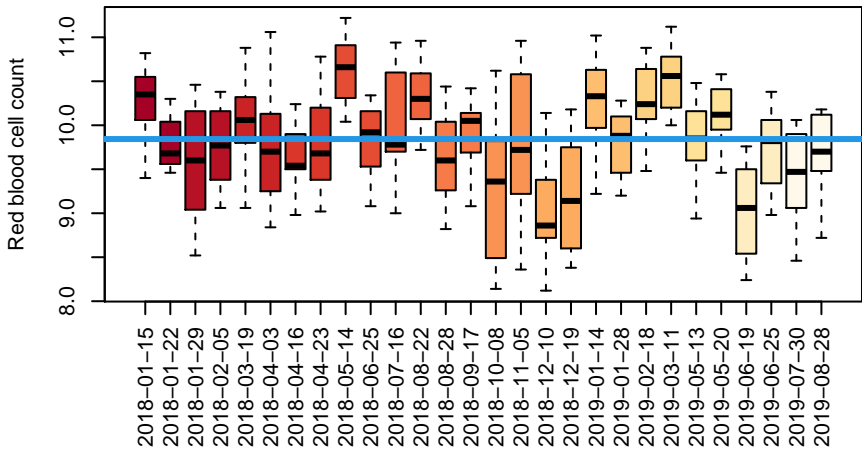
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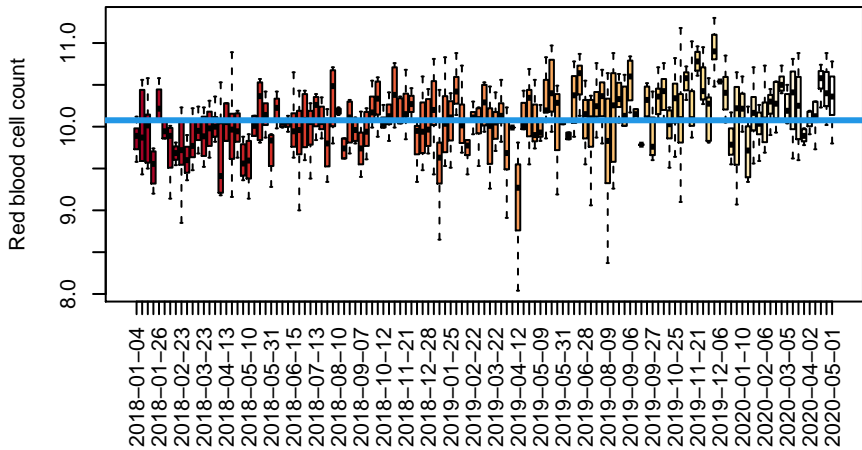
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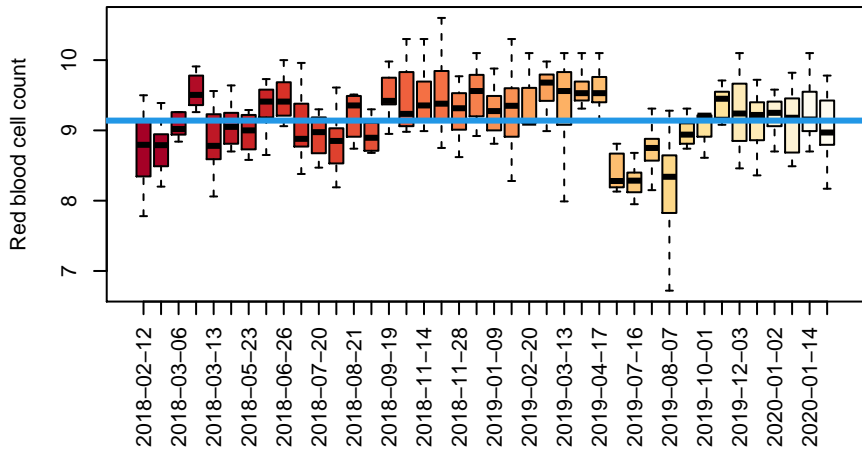
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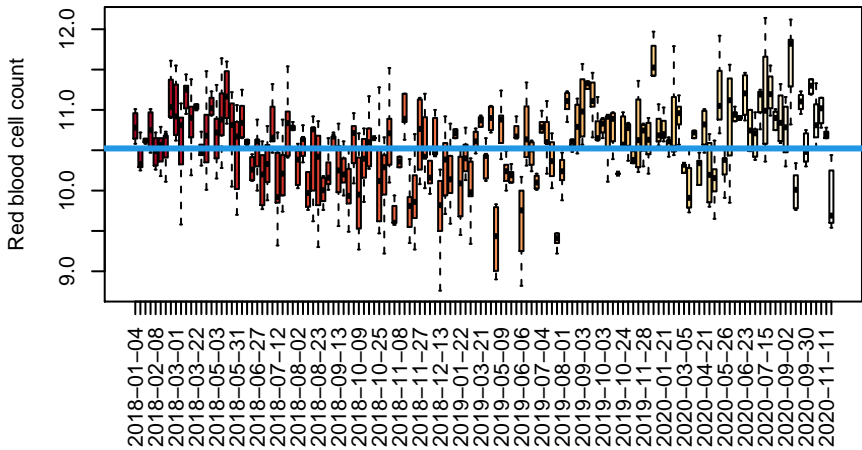
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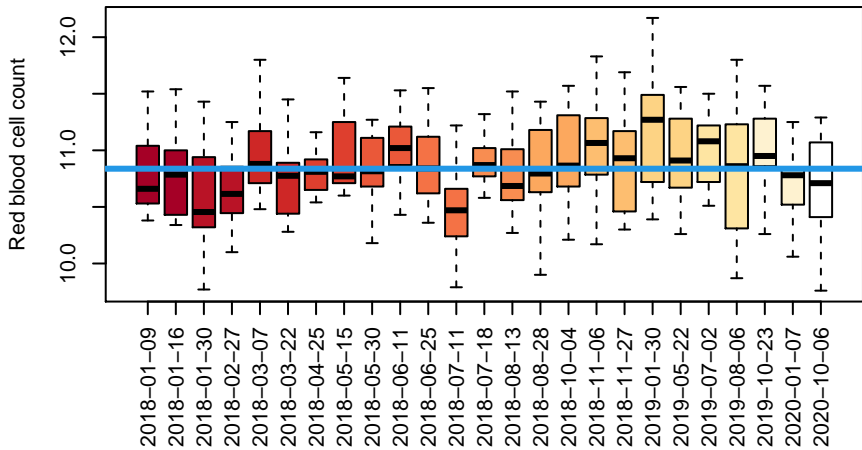
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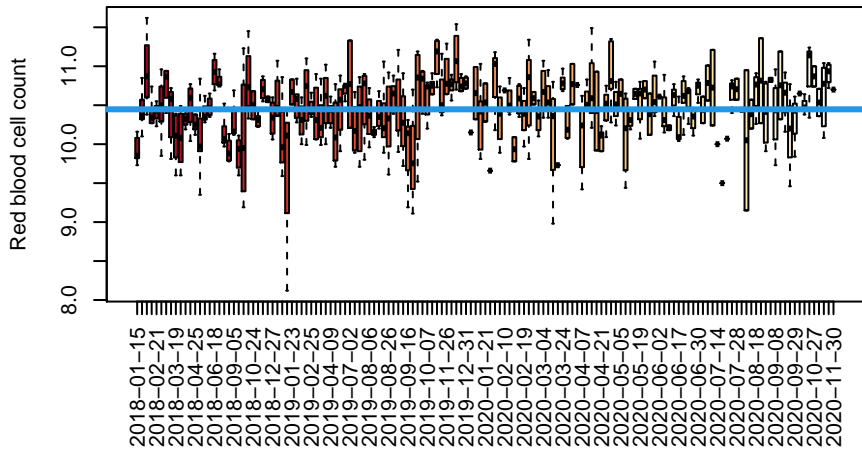
IMPC centre: MRC Harwell



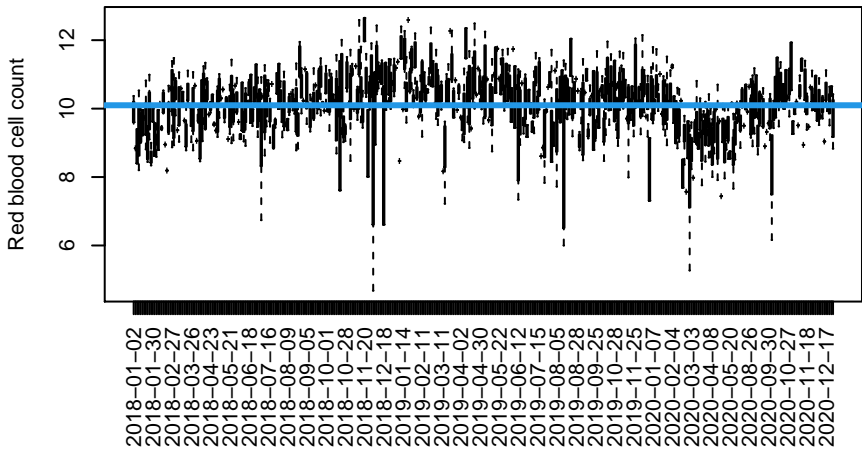
IMPC centre: RBRC



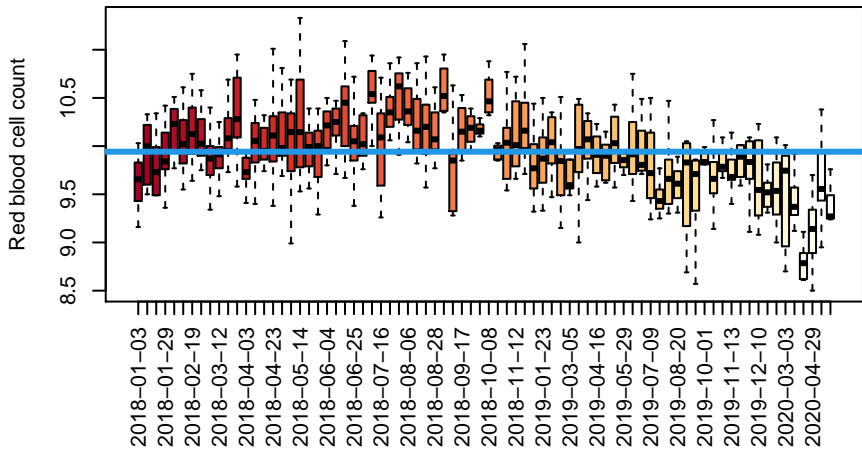
IMPC centre: TCP



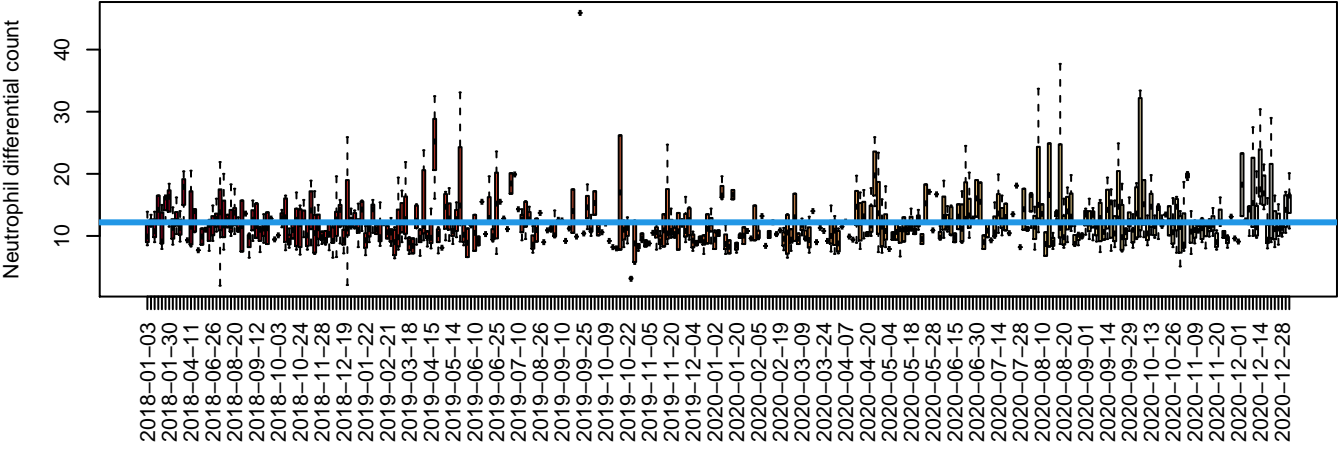
IMPC centre: UC Davis



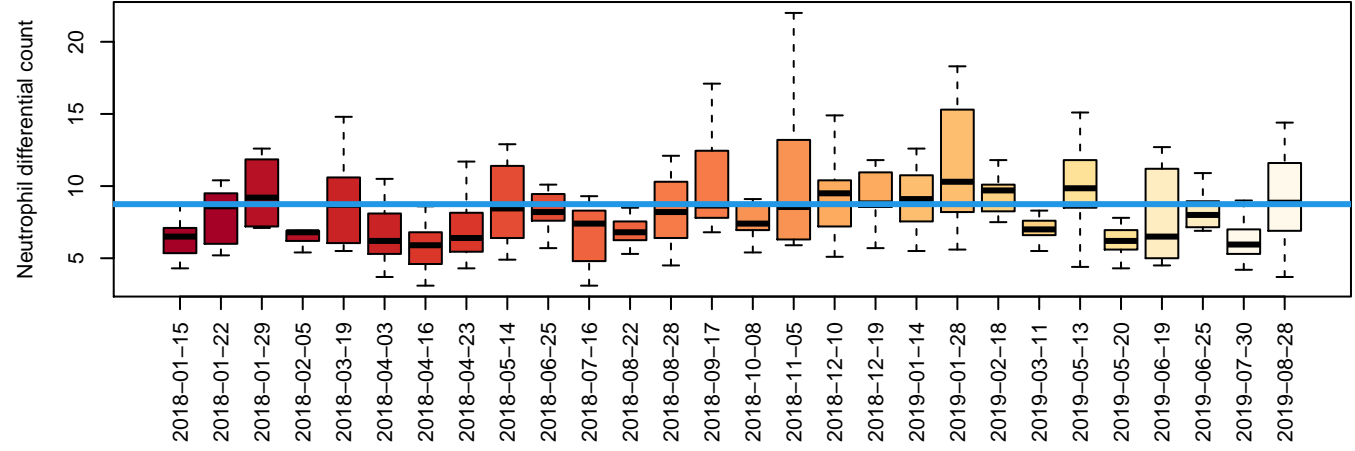
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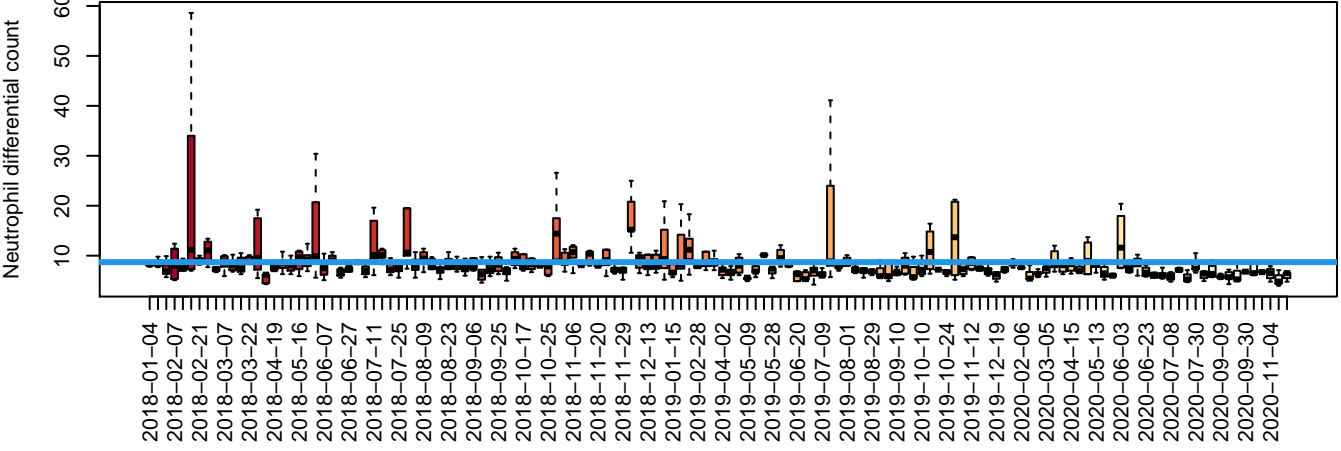
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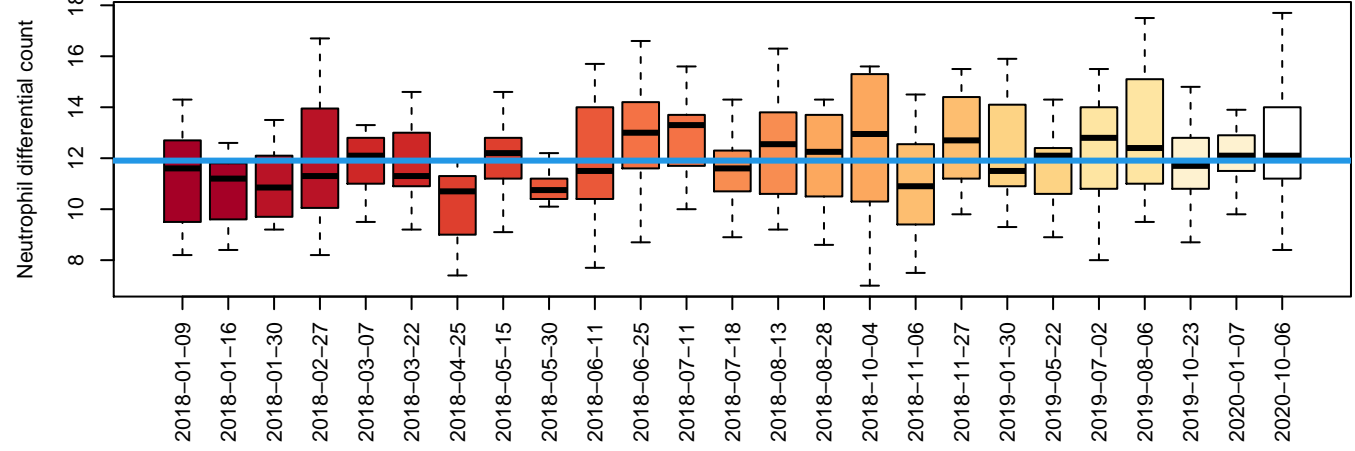
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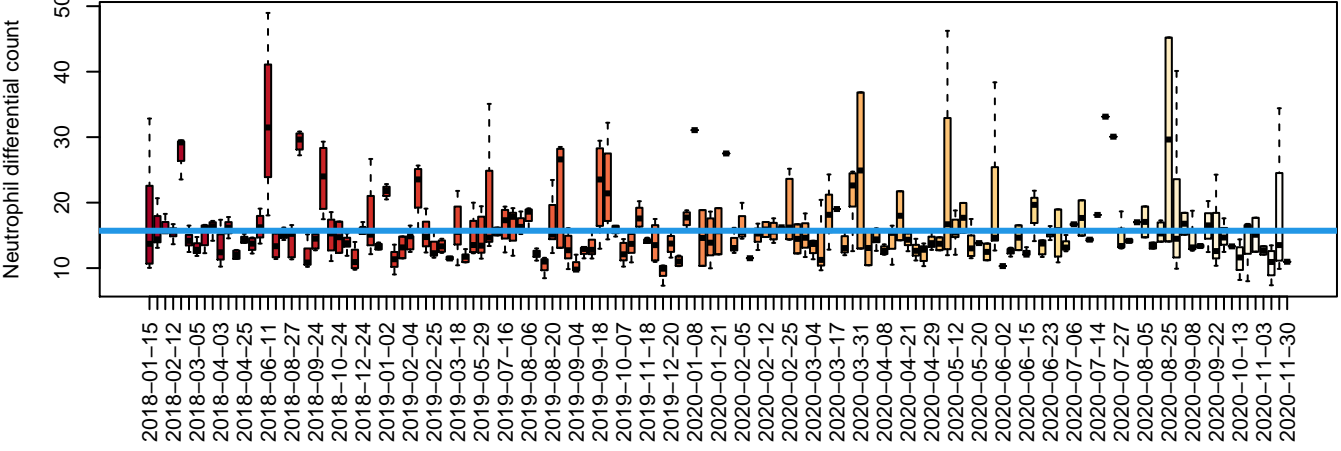
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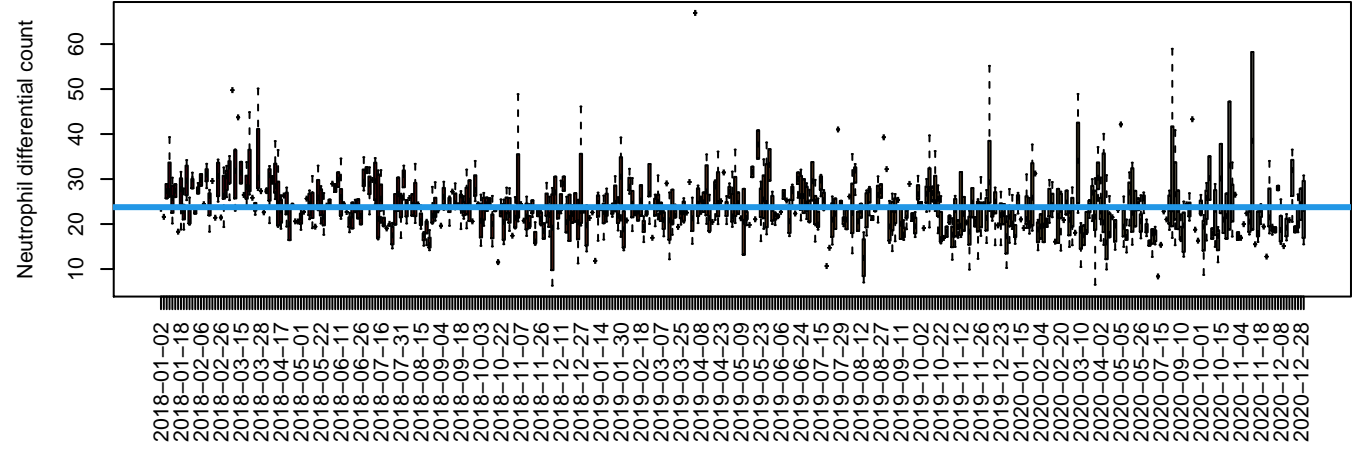
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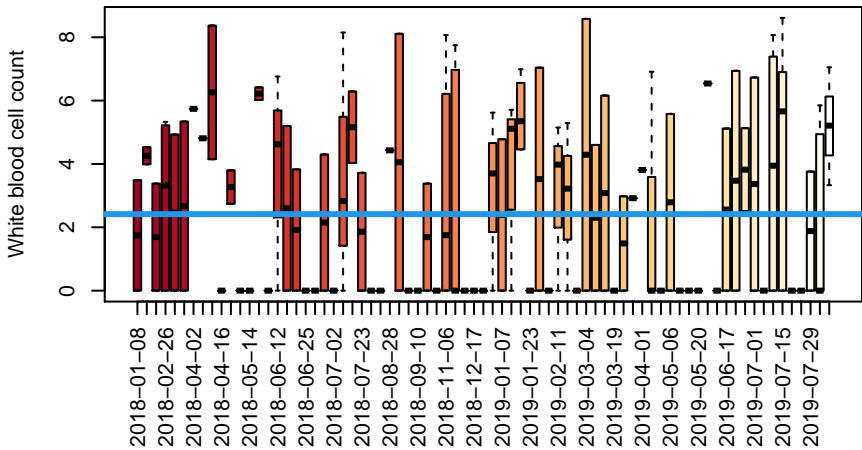
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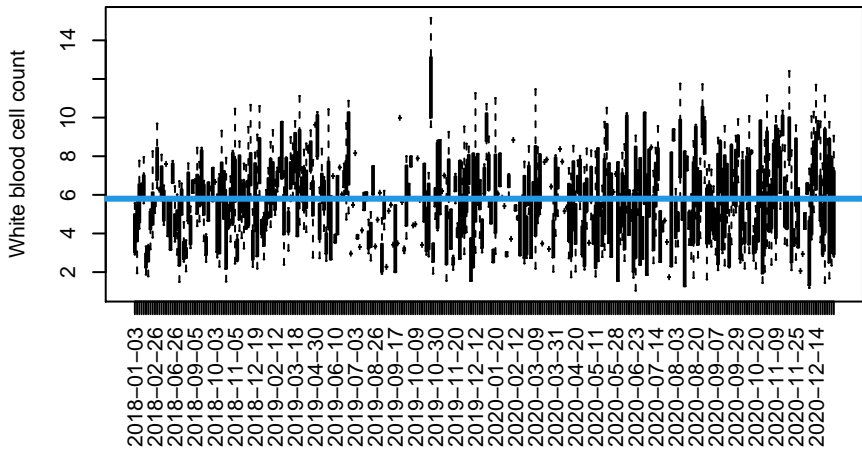
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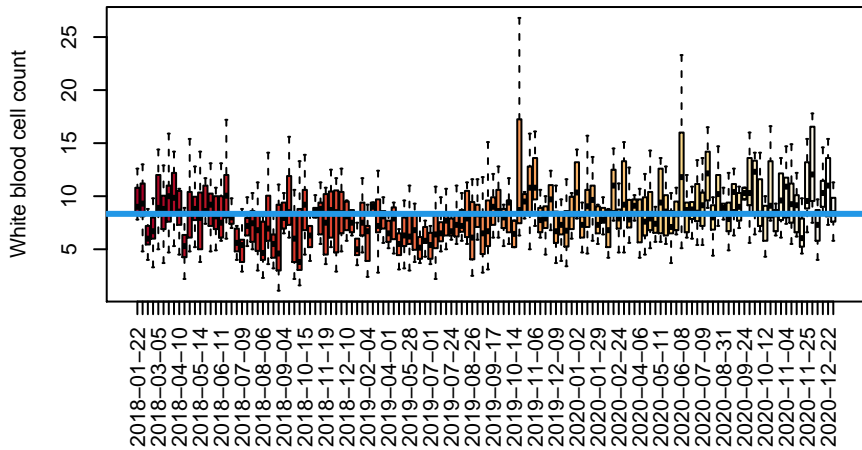
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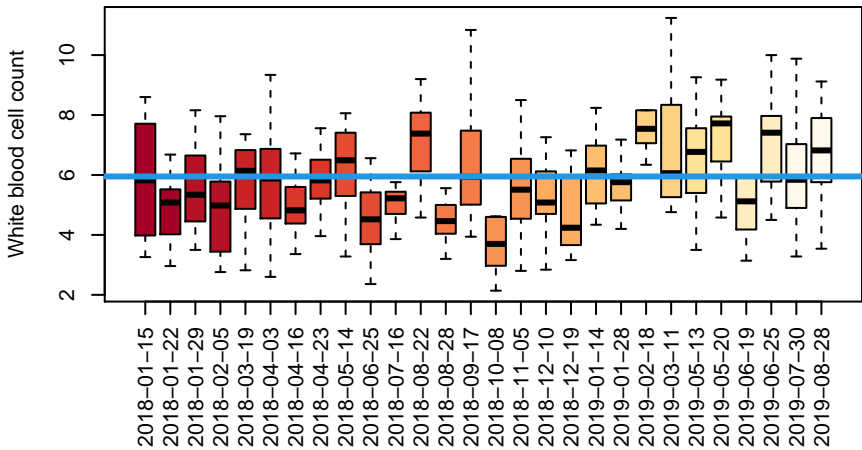
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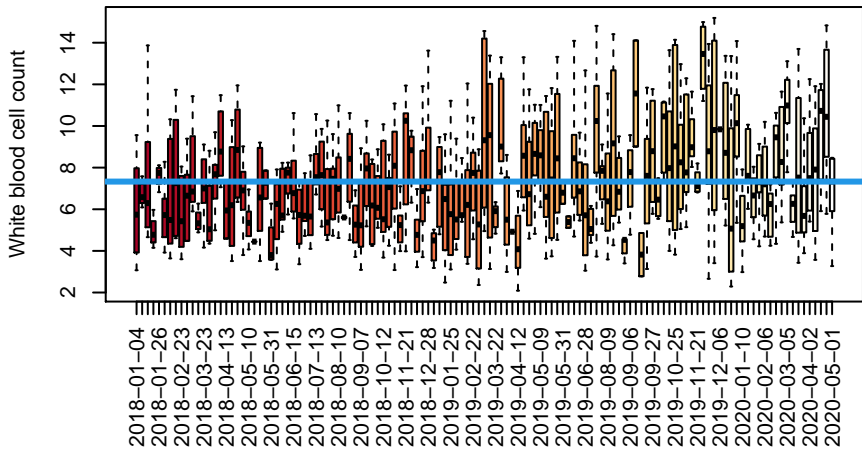
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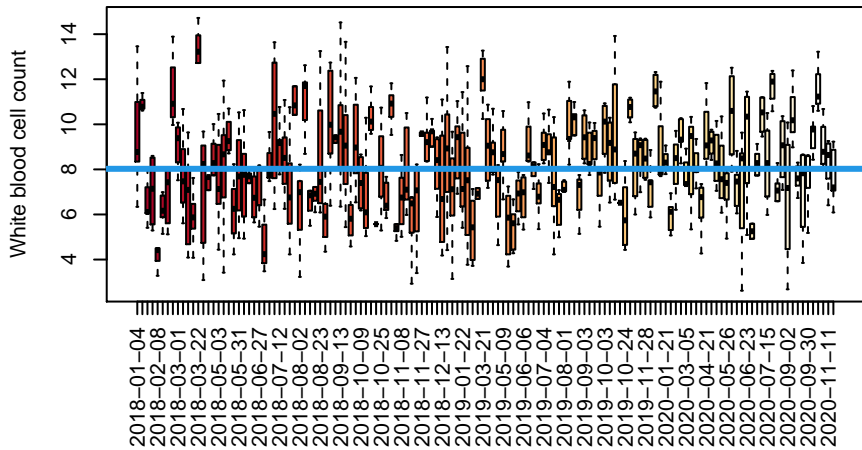
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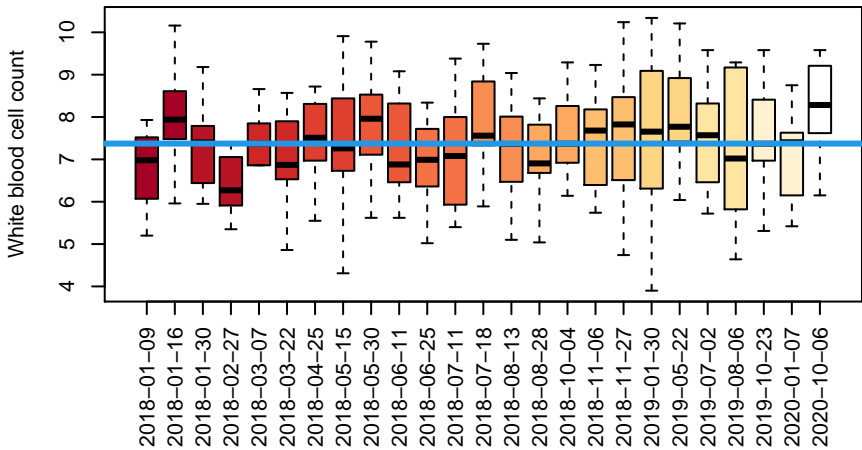
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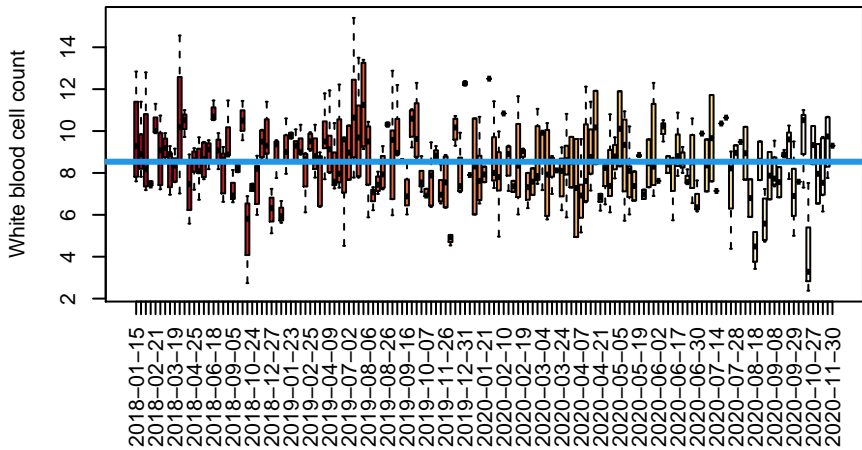
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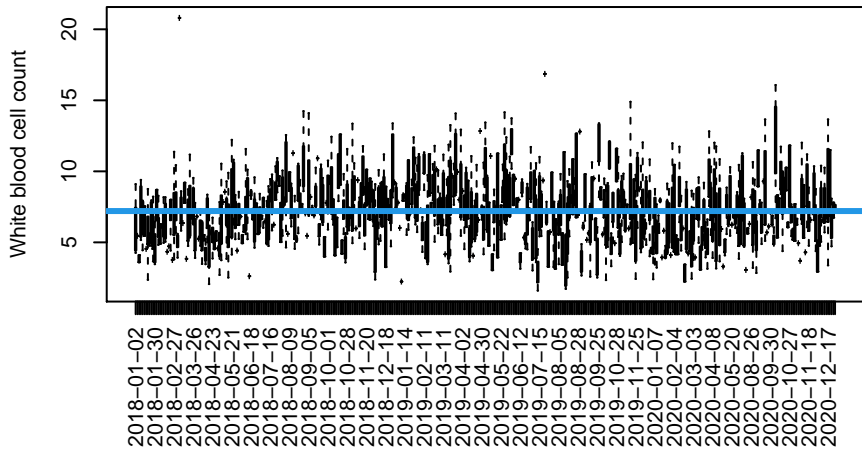
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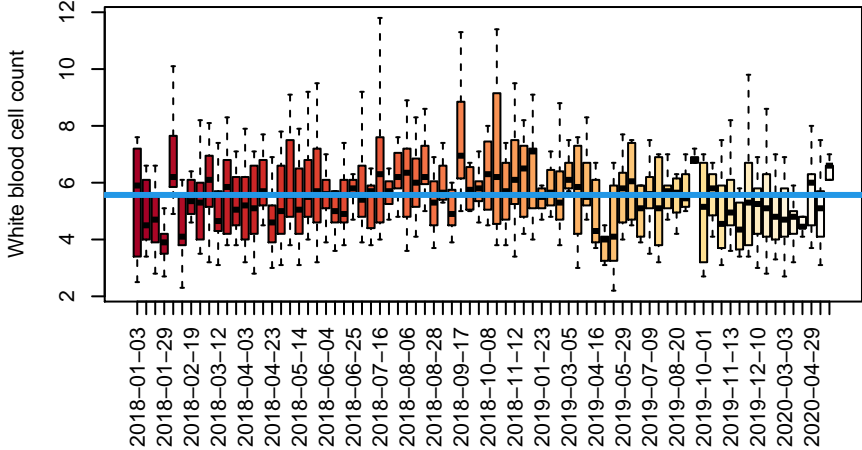
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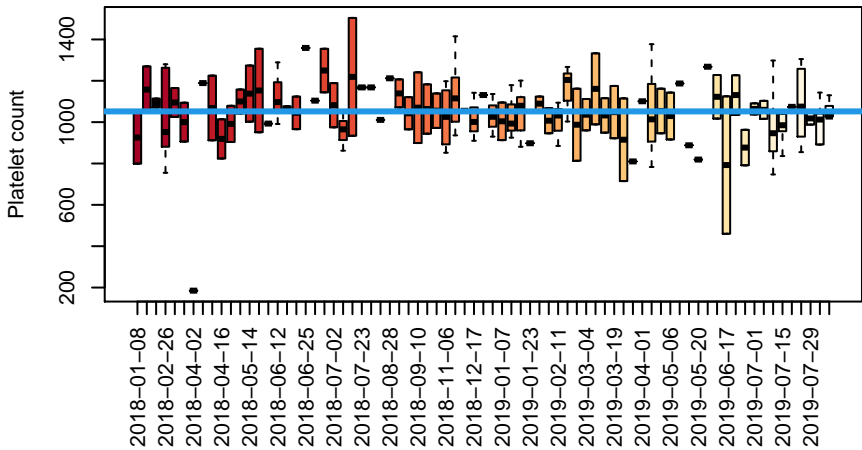
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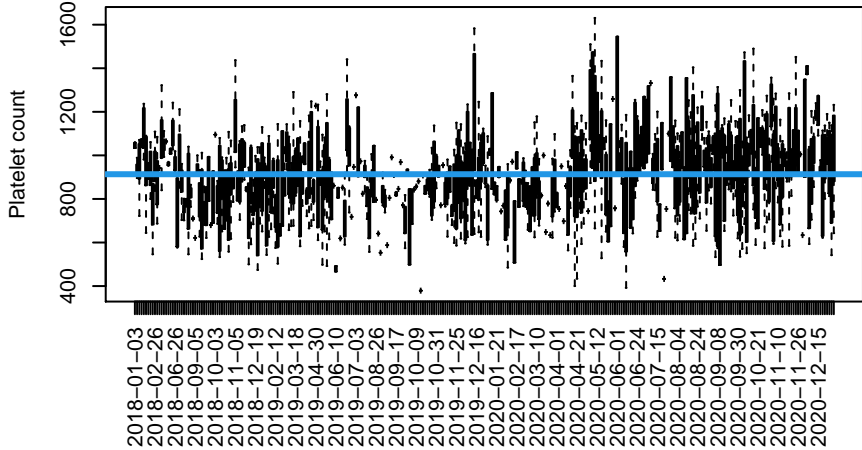
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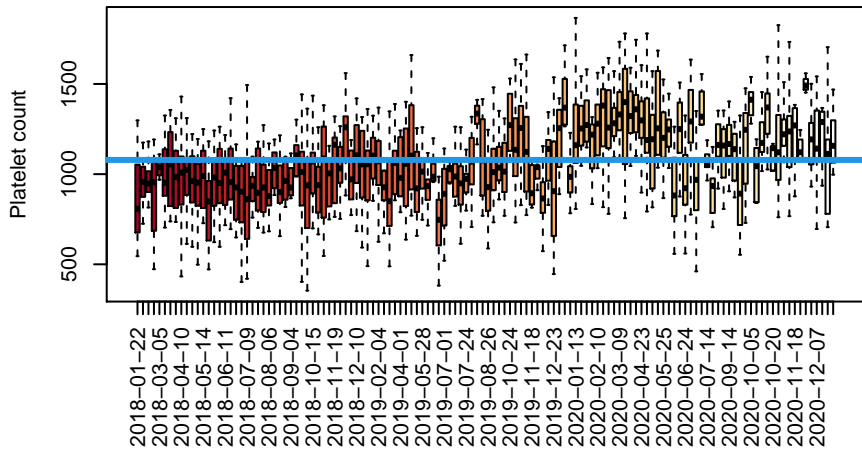
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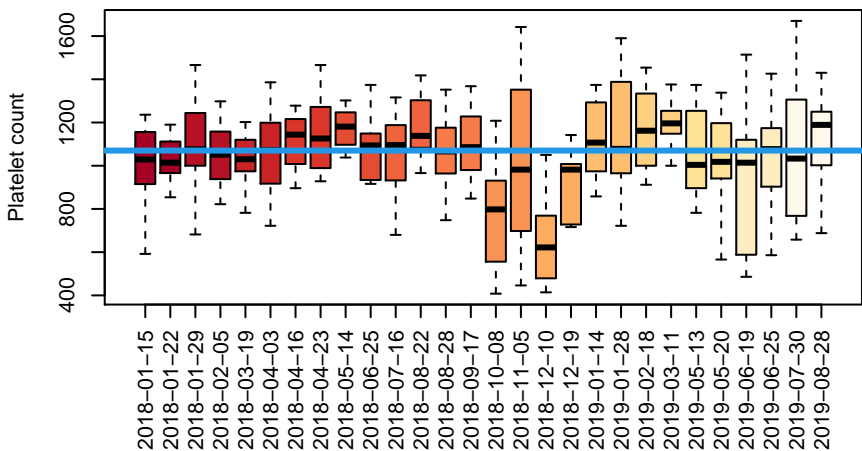
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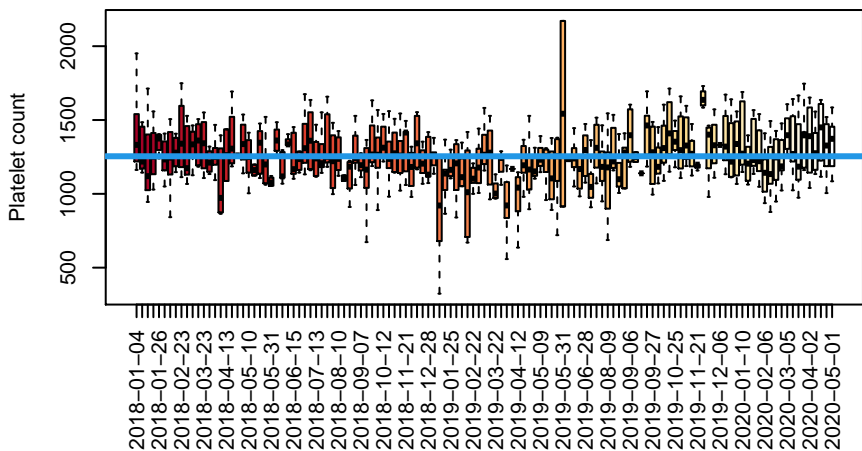
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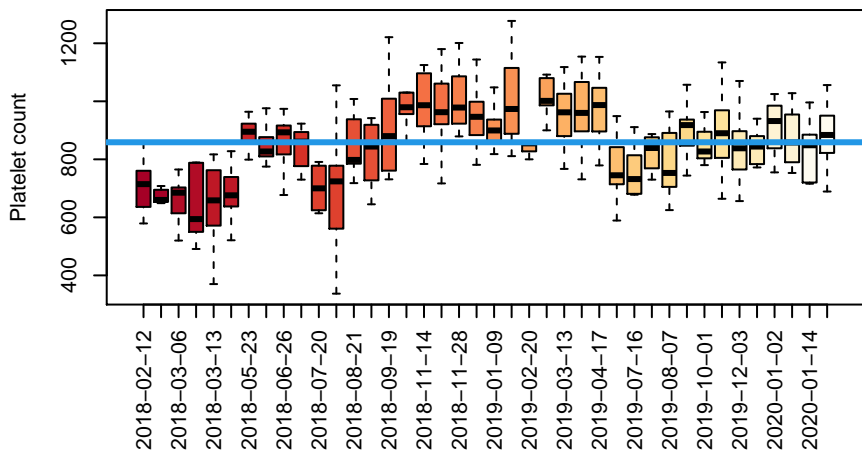
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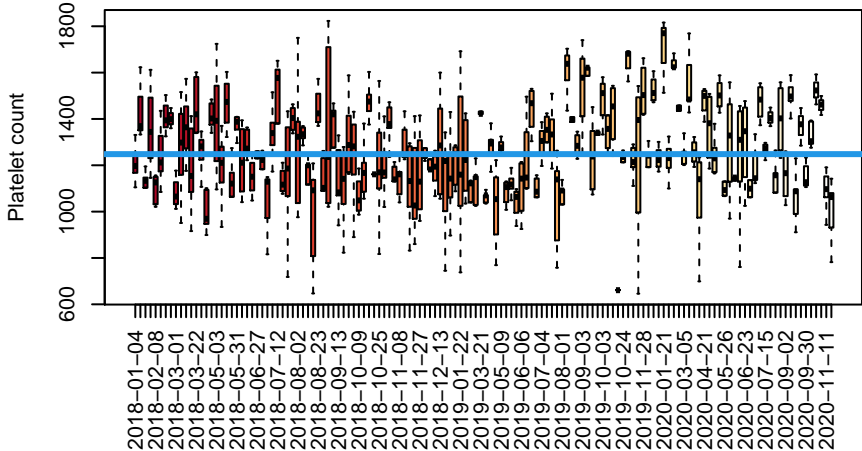
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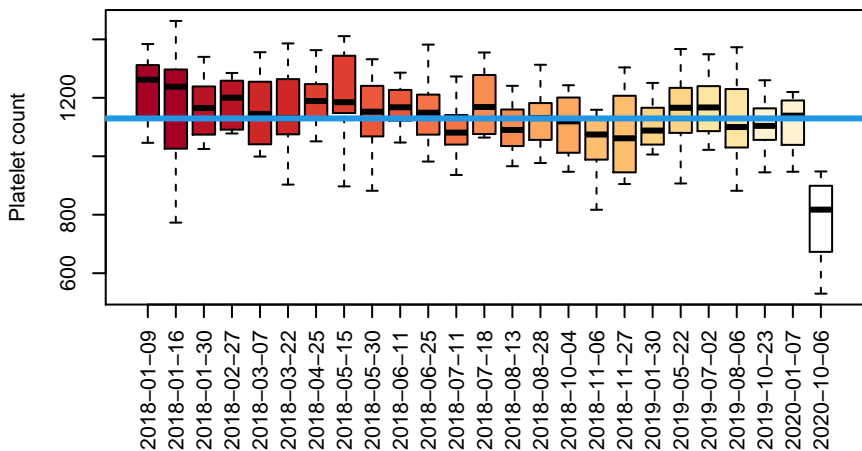
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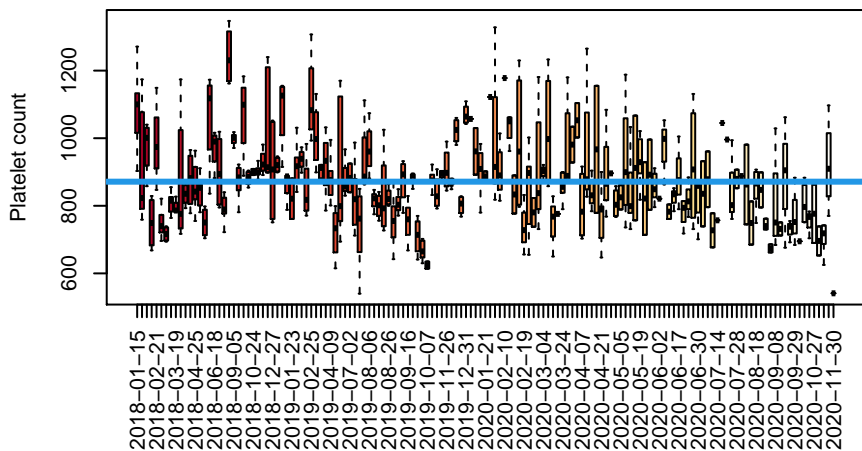
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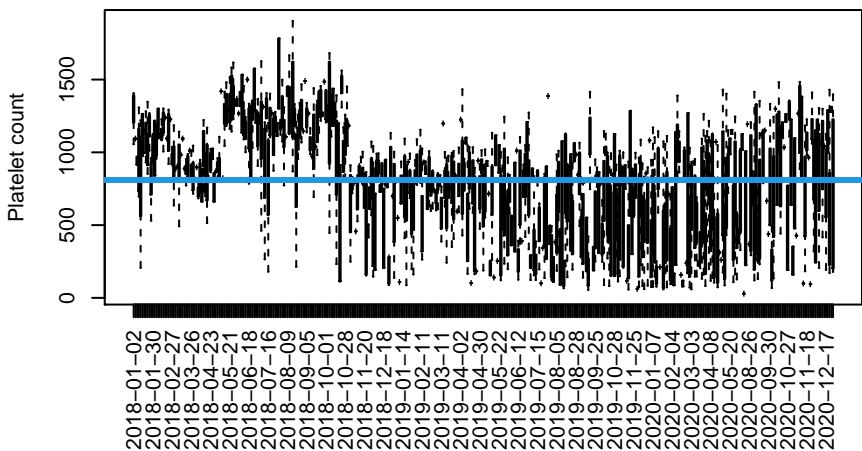
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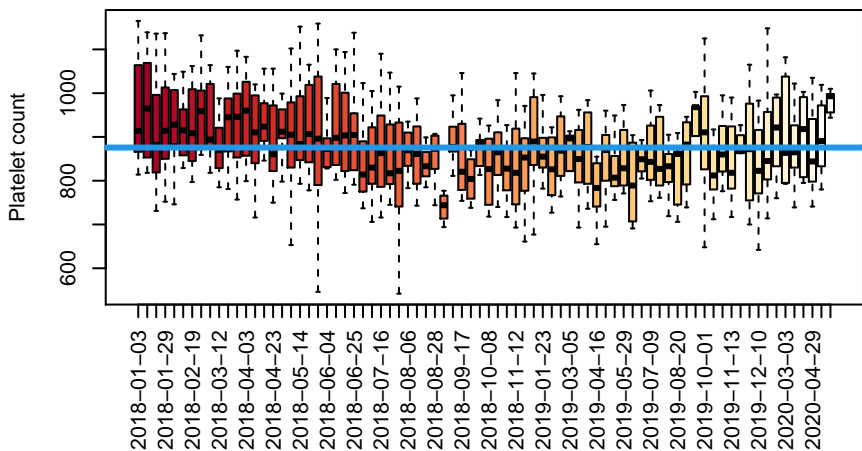
IMPC centre: TCP



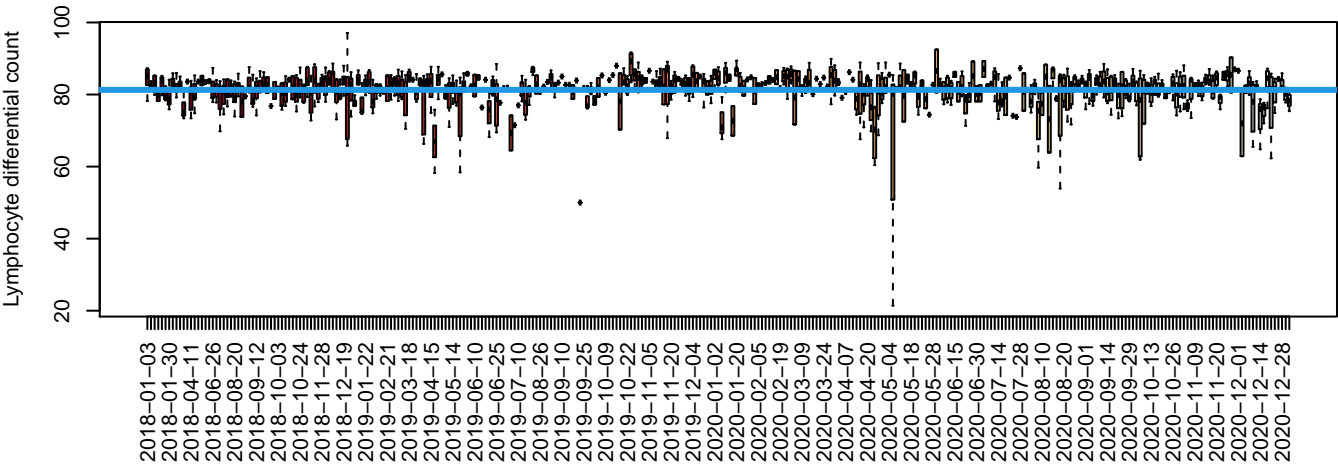
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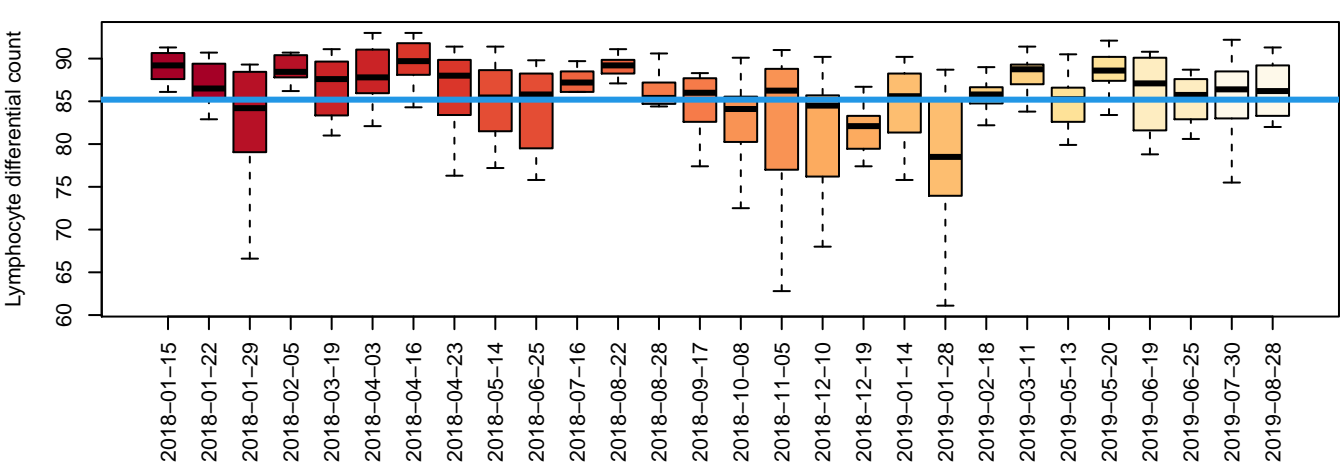
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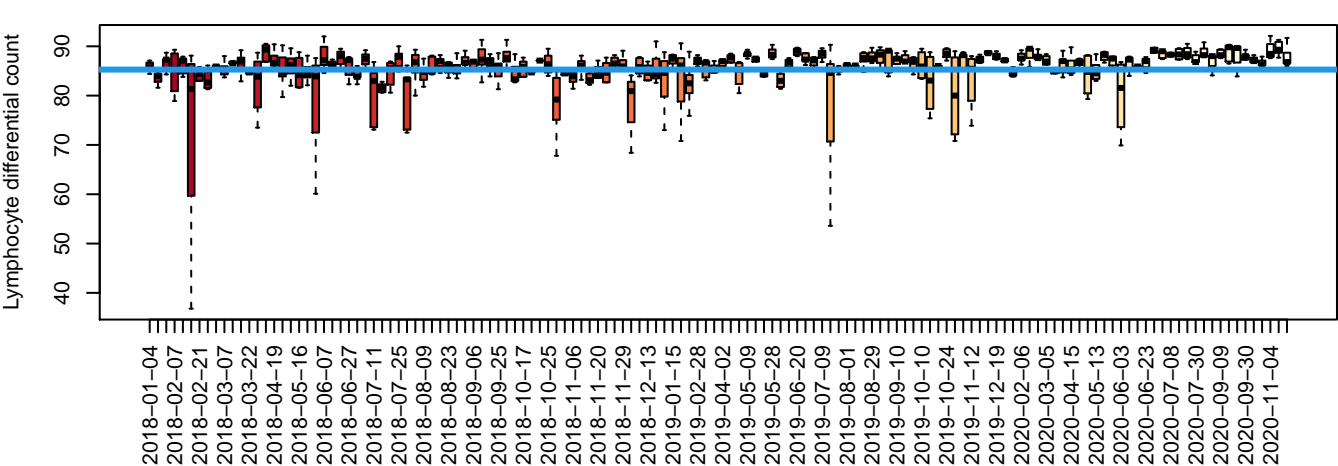
IMPC centre: CCP-IMG



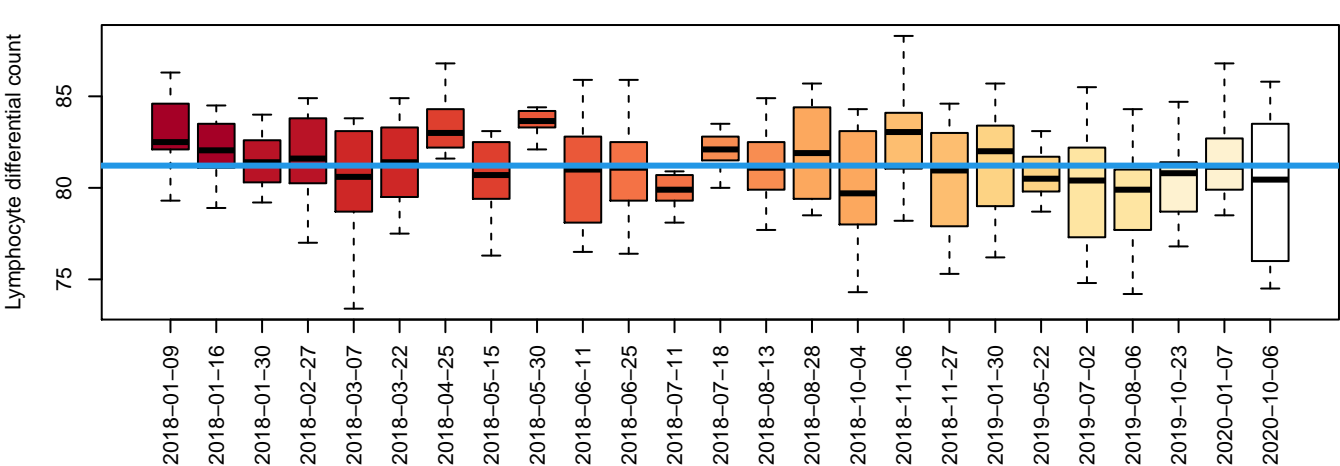
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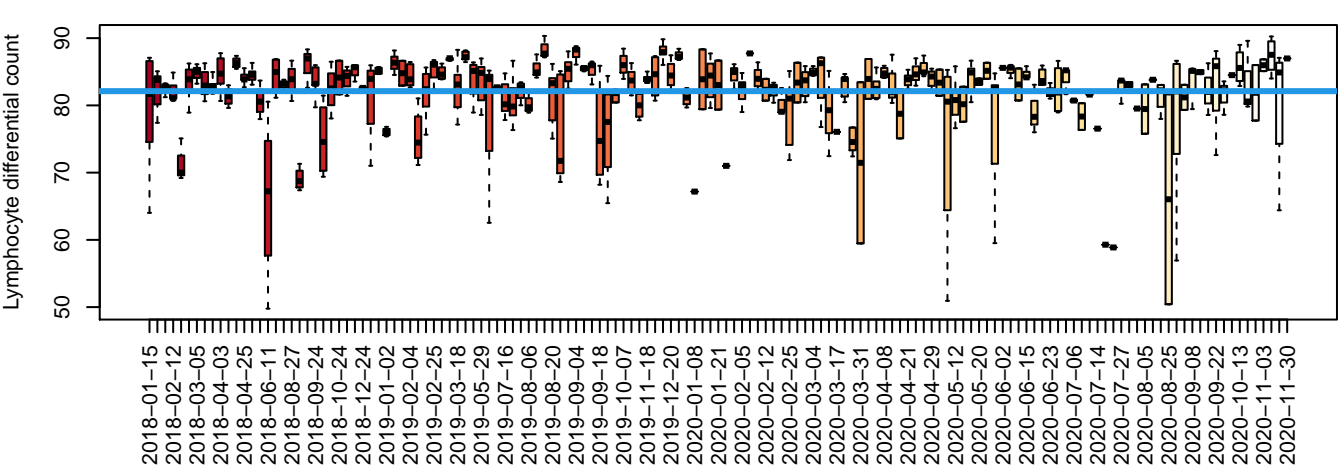
IMPC centre: MRC Harwell



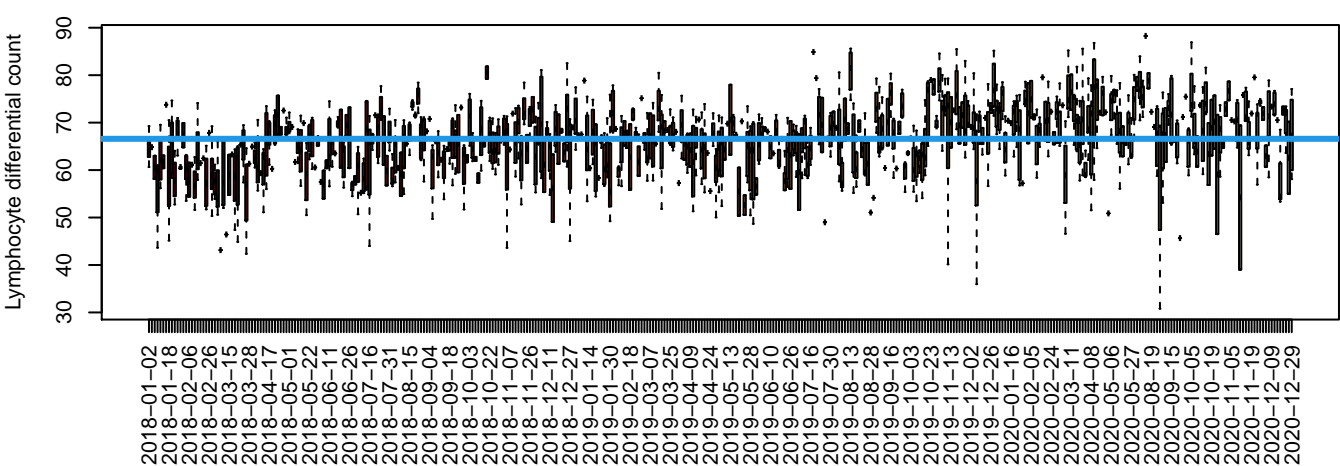
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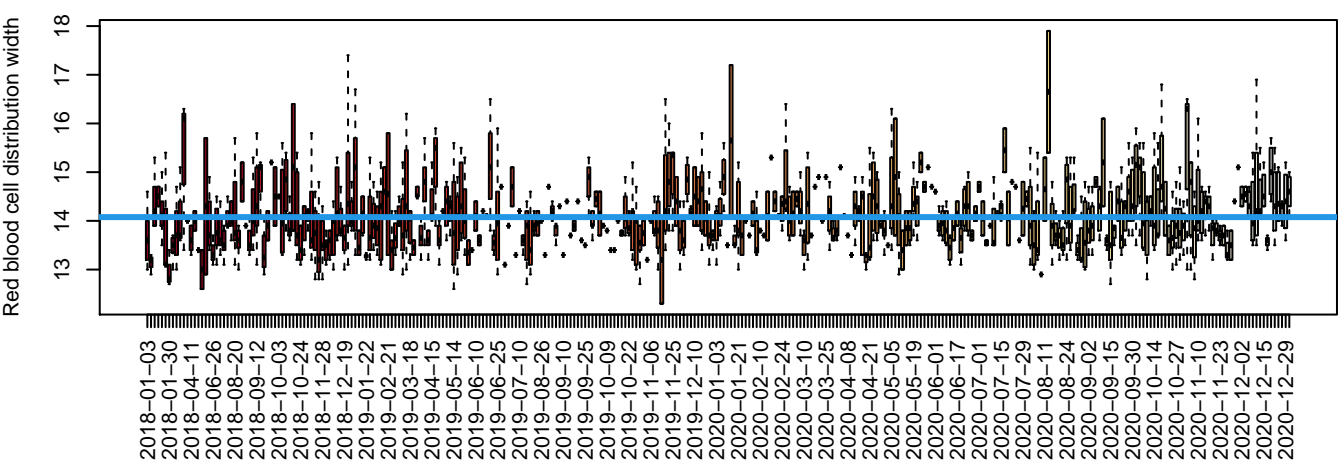
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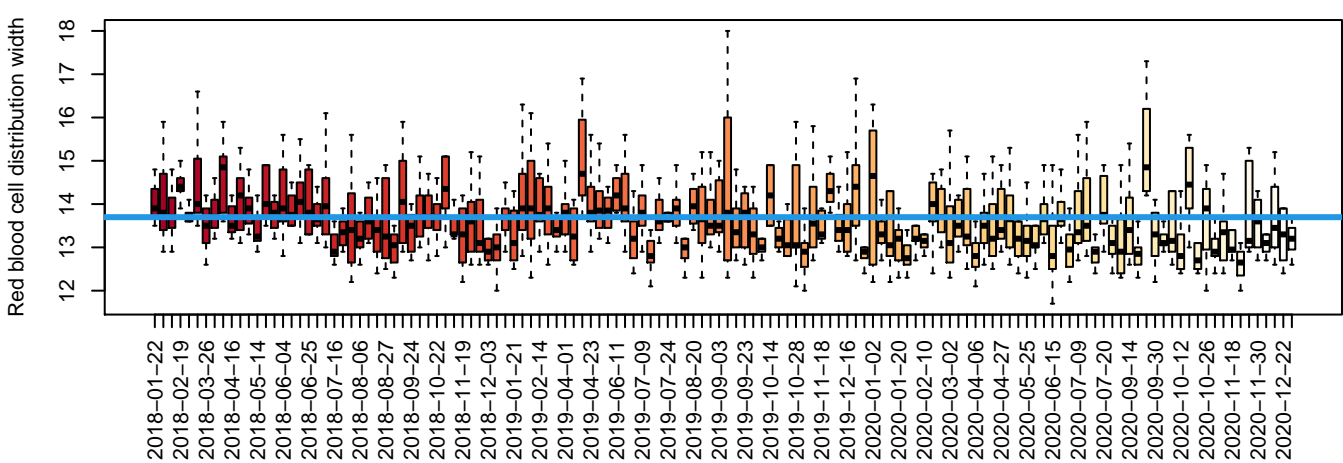
IMPC centre: UC Davis



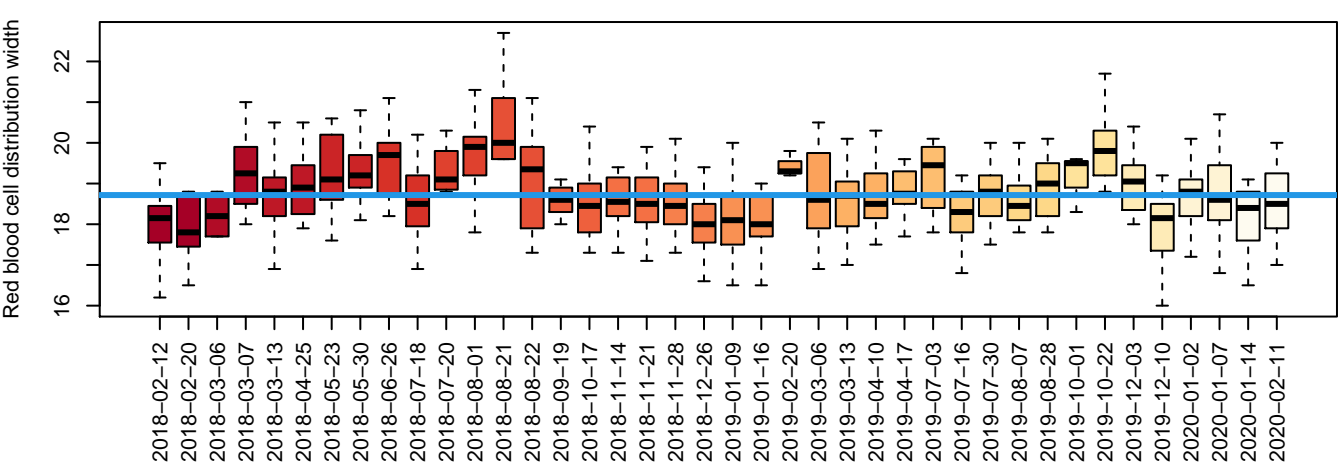
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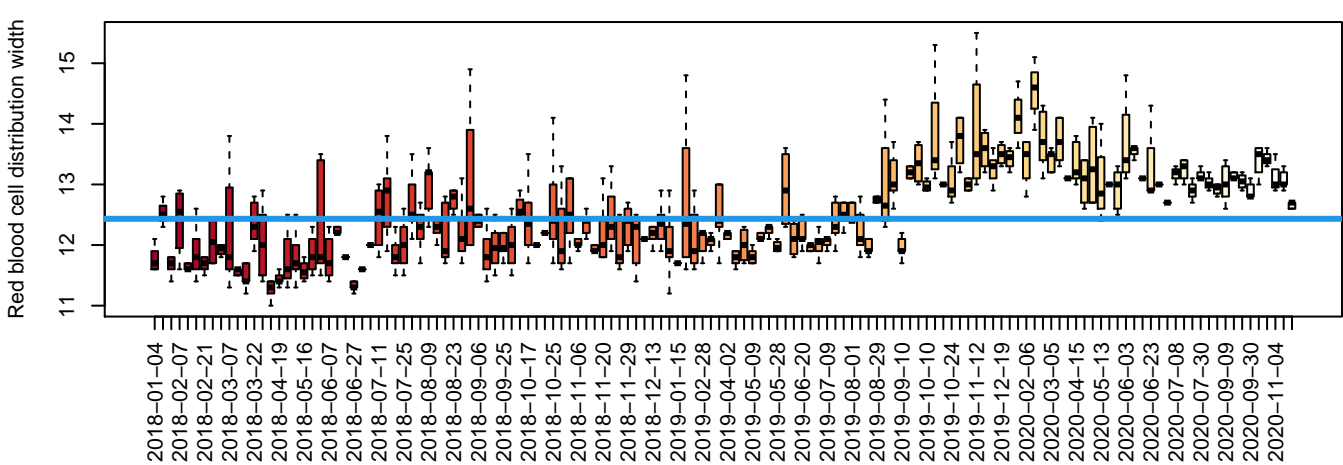
IMPC centre: HMGU



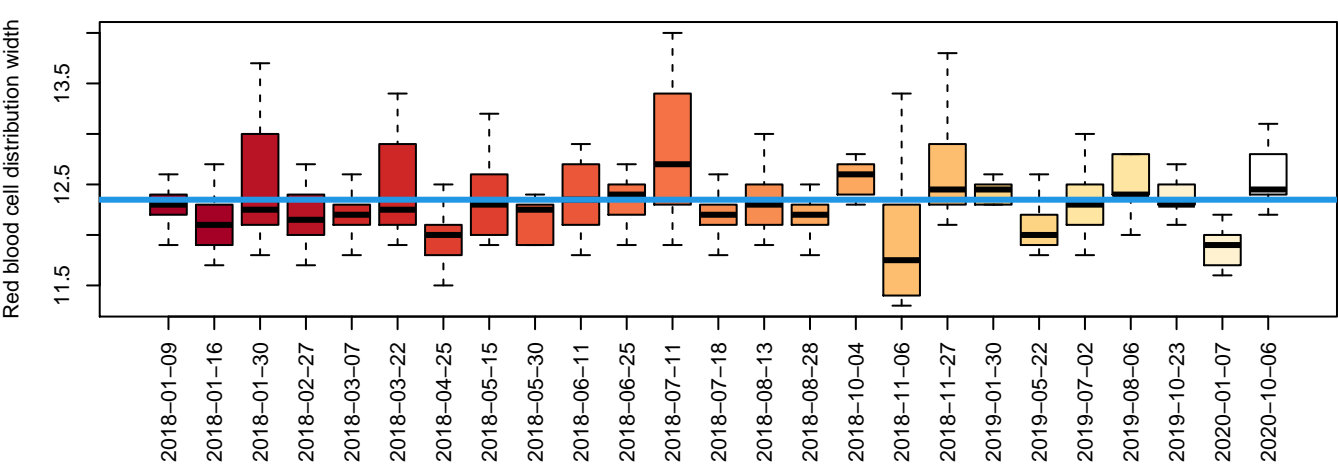
IMPC centre: KMPC



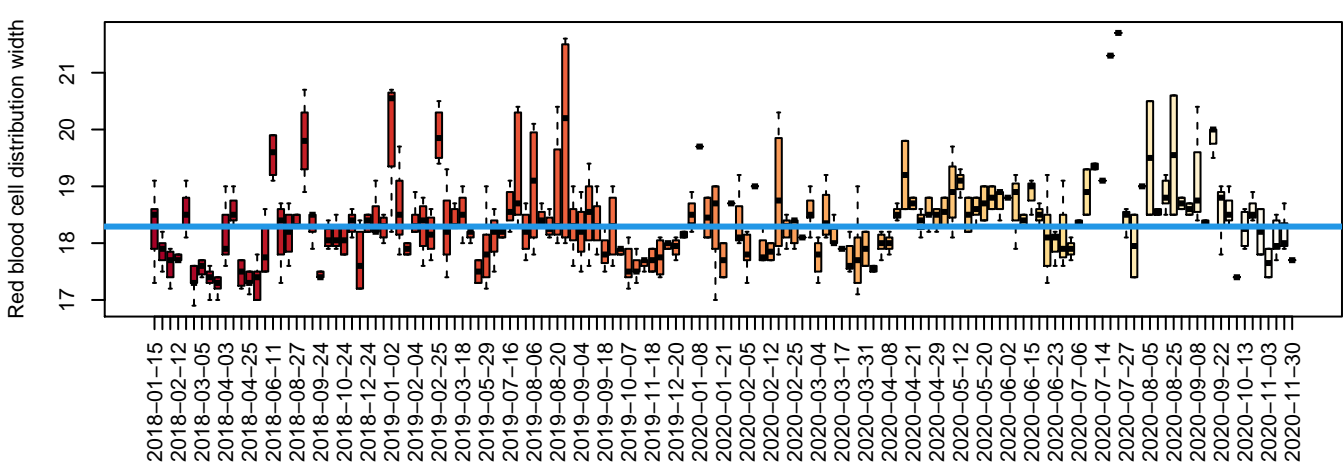
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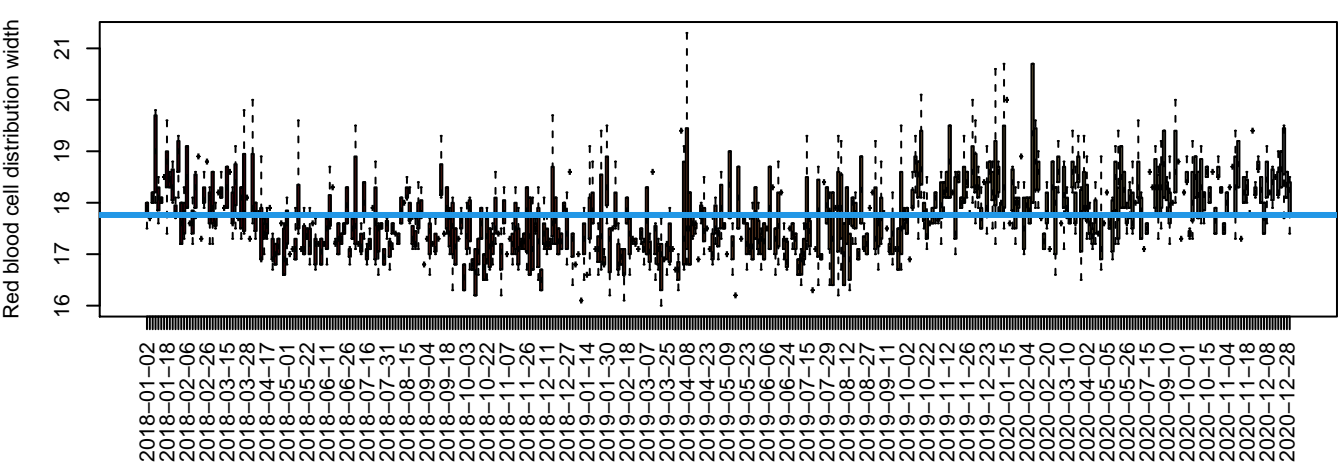
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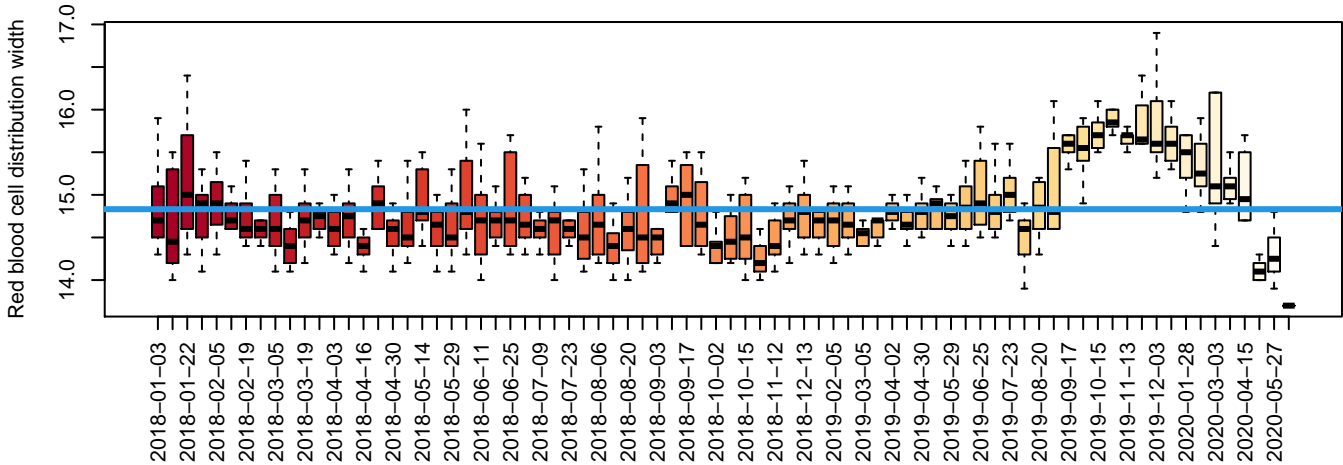
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IMPC centre: UC Davis

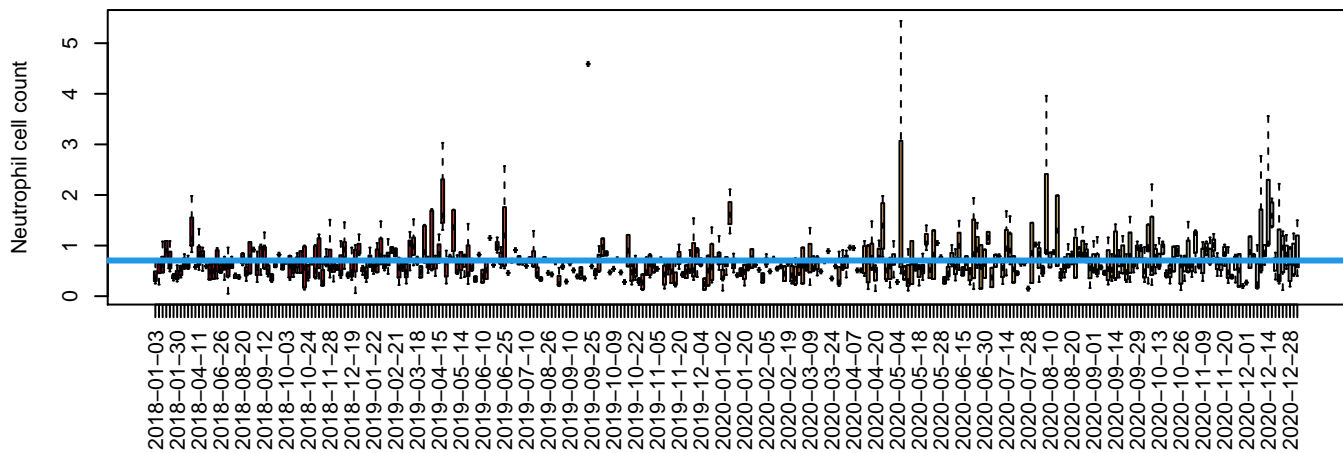


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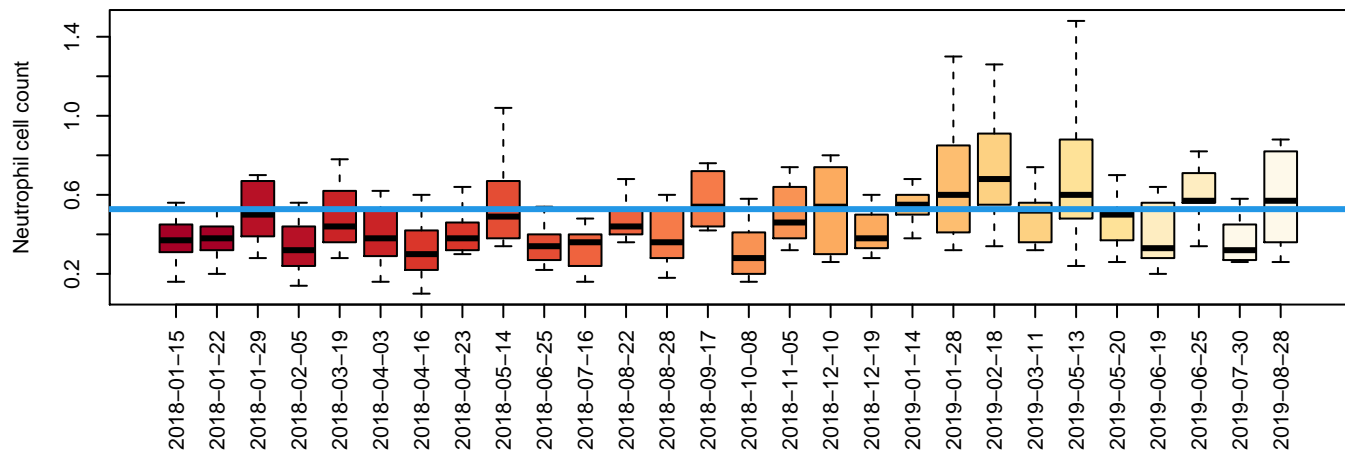




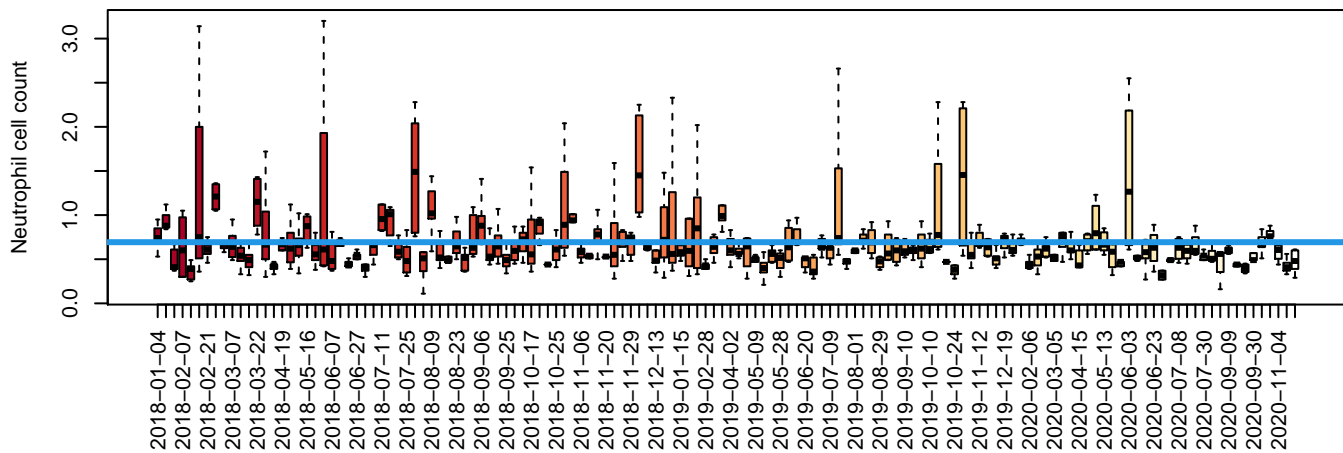
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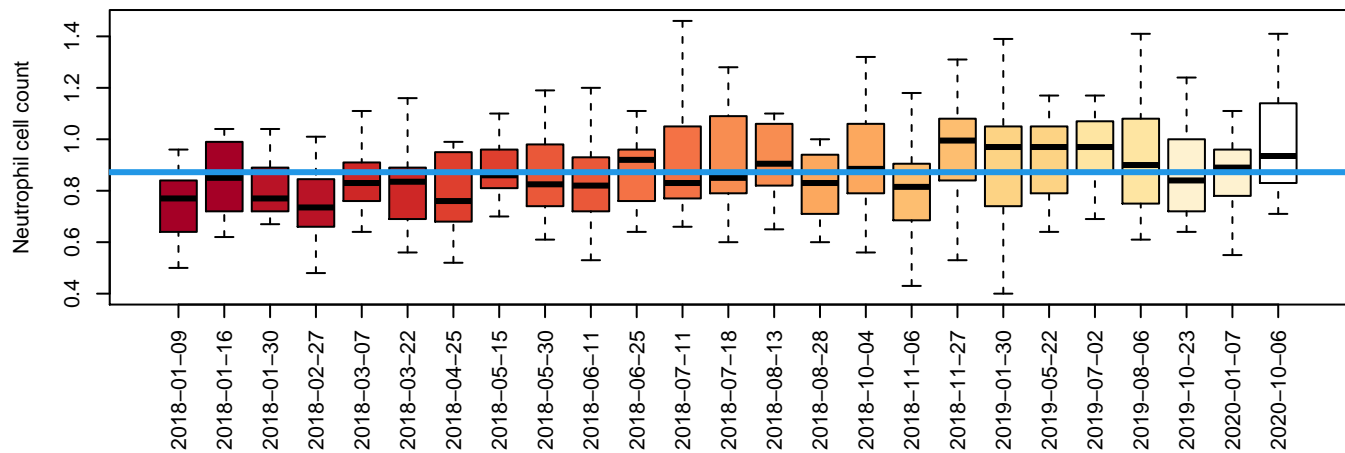
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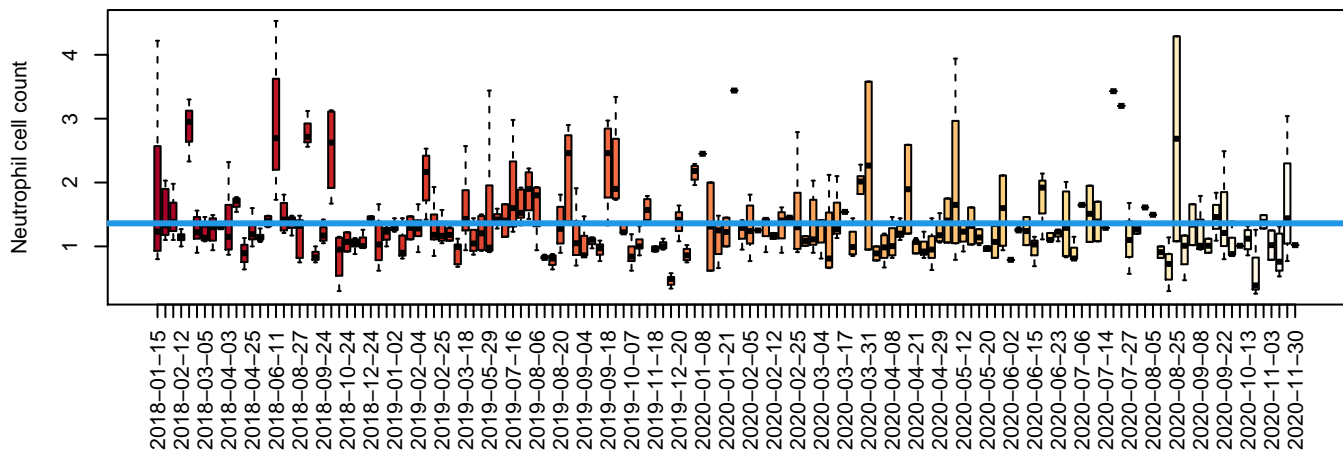
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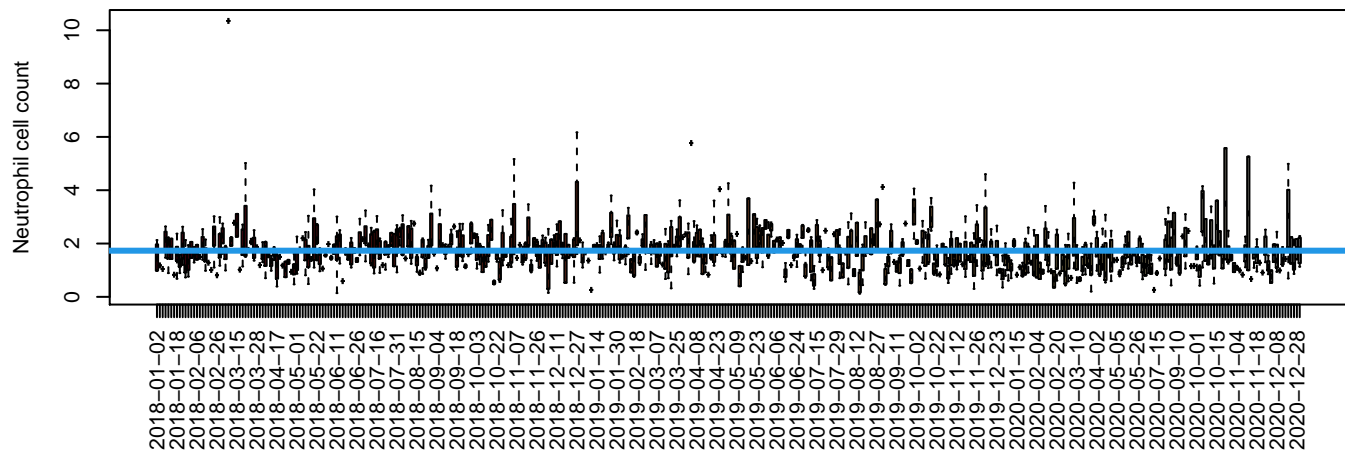
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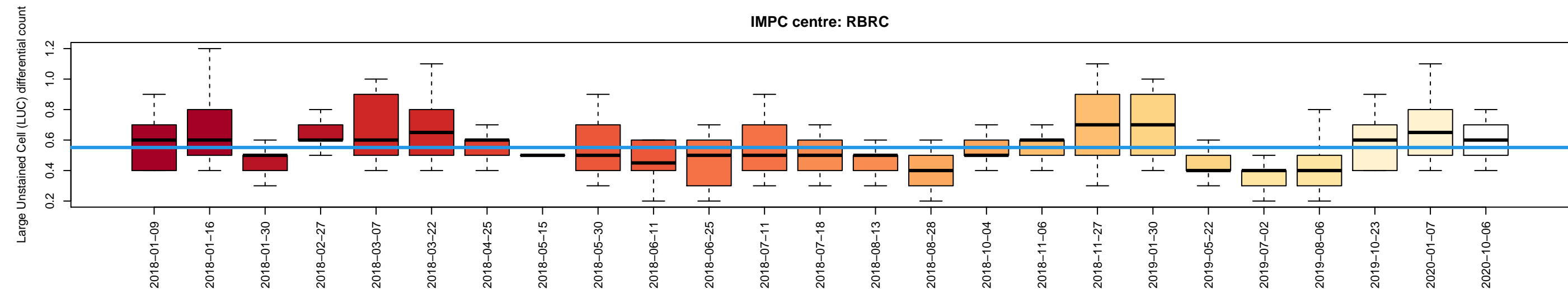
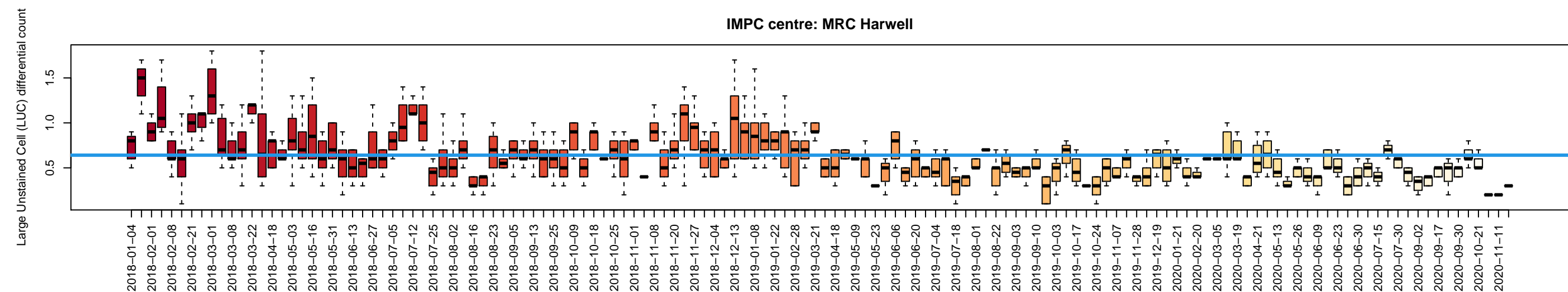
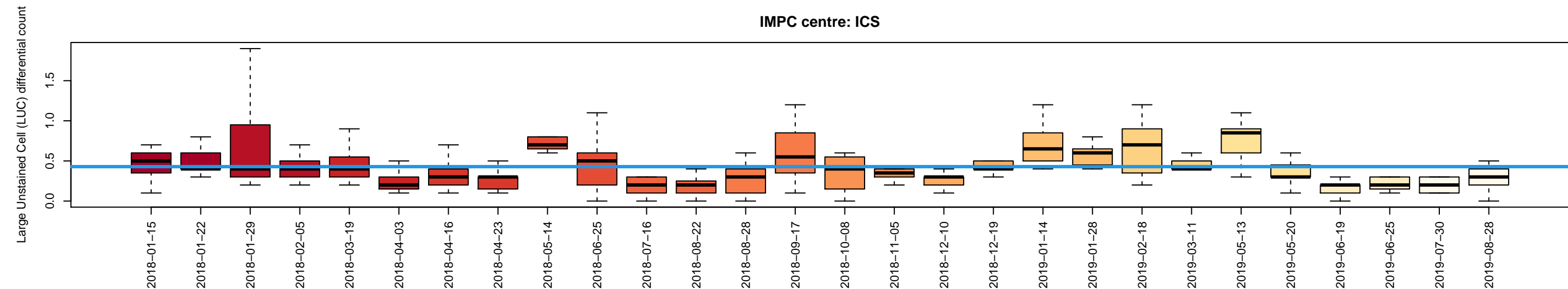


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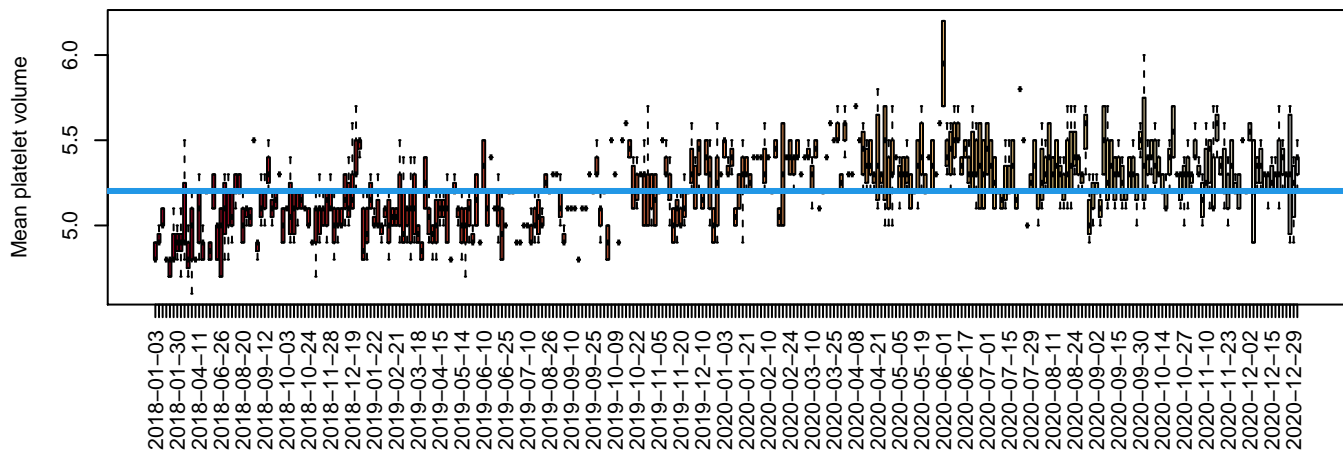


IMPC centre: UC Davis

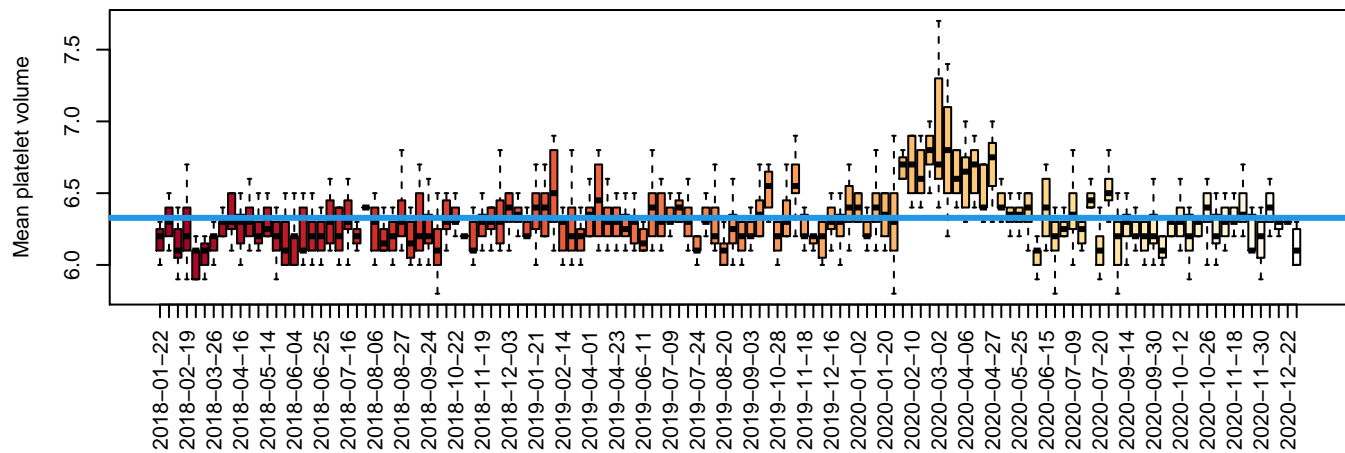




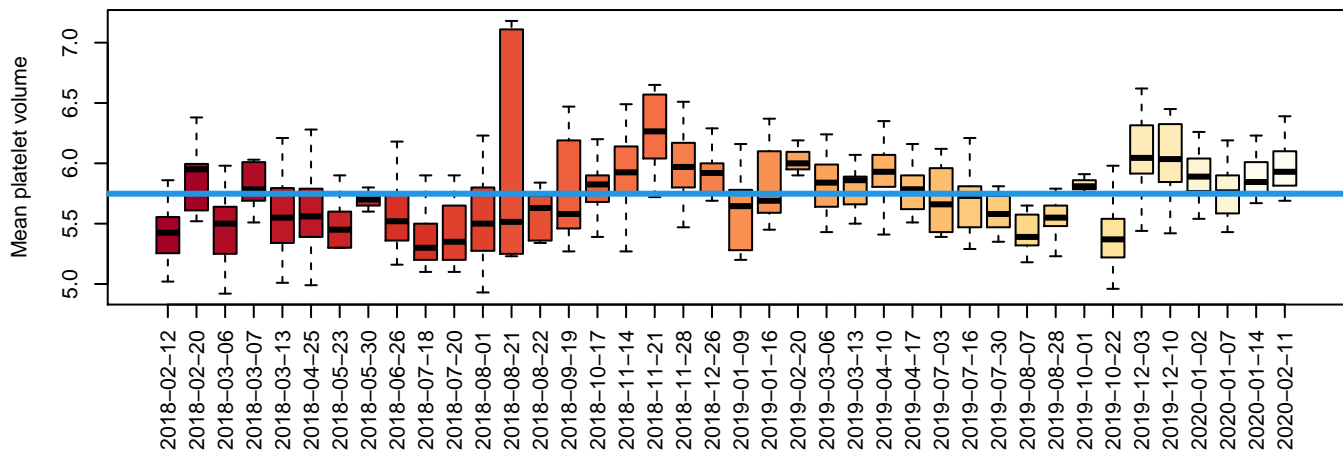
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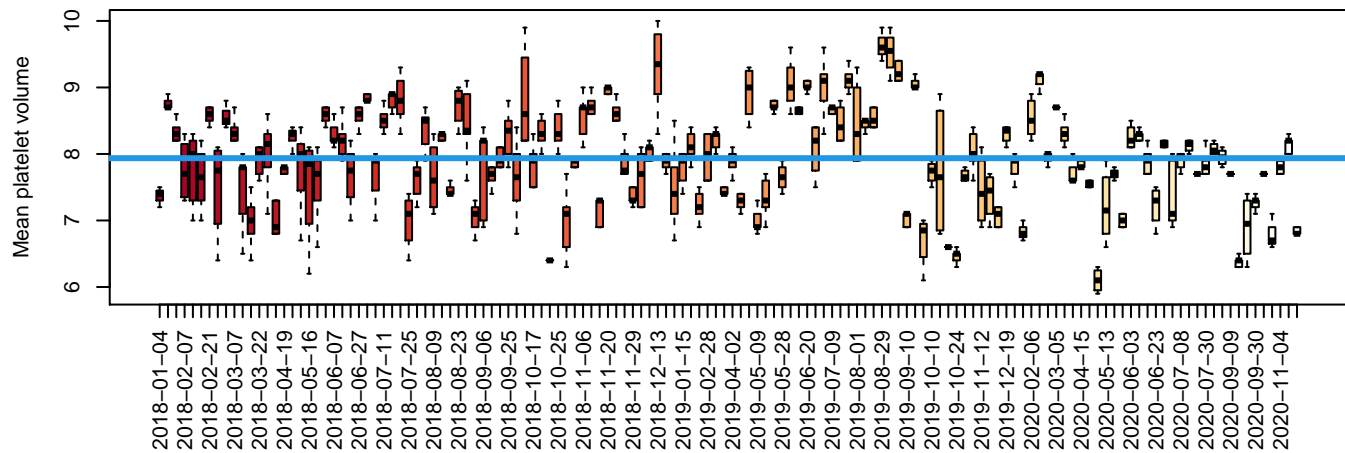
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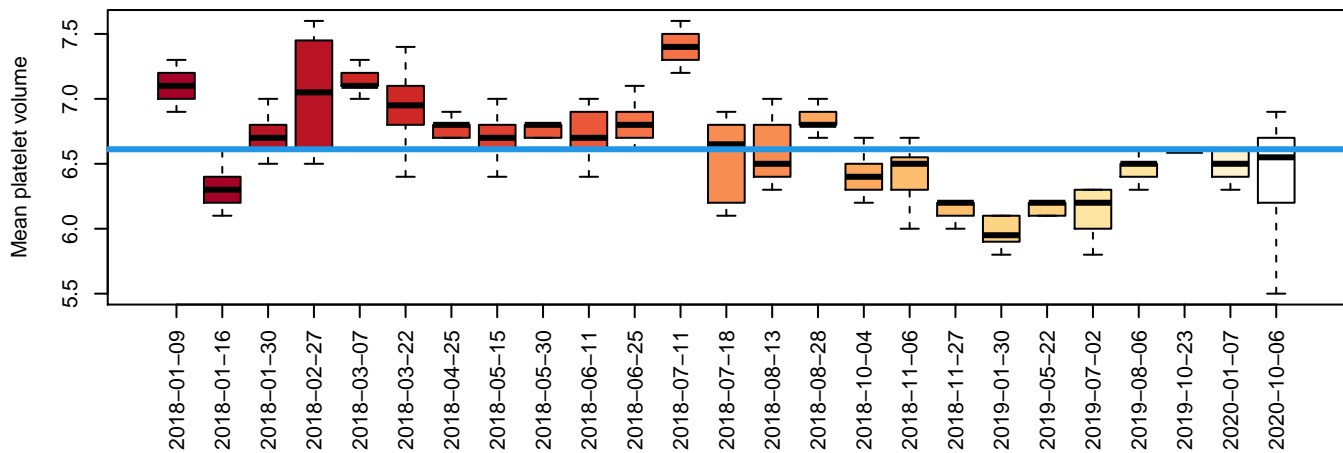
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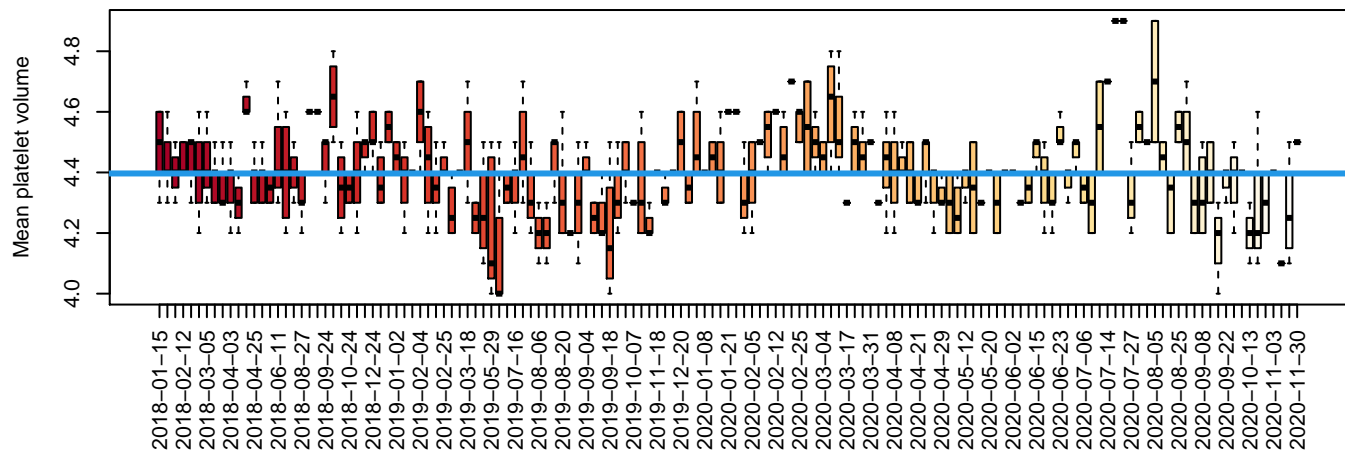
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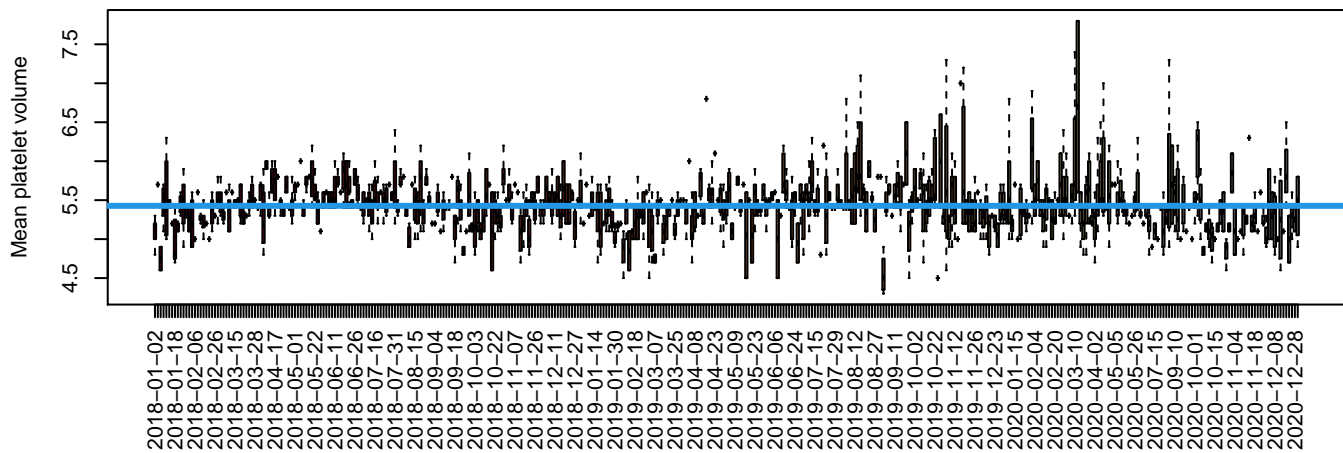
IMPC centre: RBRC



IMPC centre: TCP



IMPC centre: UC Davis



IMPC centre: WTSI

