

File Name: Supplementary Data 1-5

Description: Excel file containing Supplementary Data 1 to 5.

Supplementary Data 1: R9.4.1 and R10.4.1 flowcell per-read performance evaluation of DeepMod2 and other Nanopore methylation callers.

Supplementary Data 2: R9.4.1 flowcell per-site performance evaluation of DeepMod2 and other Nanopore methylation callers.

Supplementary Data 3: R10.4.1 flowcell per-site performance evaluation of DeepMod2 and other Nanopore methylation callers.

Supplementary Data 4: R9.4.1 and R10.4.1 flowcell per-site performance of DeepMod2 models with and without pruning.

Supplementary Data 5: per-site performance evaluation of Dorado versus DeepMod2 with or without reference alignment and features under different basecaller models.

File Name: Supplementary Data 6

Description: IGV plots of ONT RRMS methylation and coverage track figures for each chromosome.

File Name: Supplementary Data 7

Description: Putative imprinted regions in HG002, HG003 and HG004 detected by DSS using phased methylation calls from DeepMod2.

File Name: Supplementary Data 8

Description: Methylation microarray beta values of the NIH3T3 cell line.