Additional File 1: Preparation kits and DNA extractions

Table S1. Kit summary

Kit name	Ref	DNA	Time ¹	Barcode	Sequencing	Consumables	Study
				Adapter	Adapter		name
"Ligation Sequencing"	SQK-LSK110	1000 ng	140 min	NA ^{2,3}	AMII	FFPE, ER/dA	LIG
+ "Native barcoding ^{2,3} "	NA ^{2,3}					LIG1, LIG2	
"Ligation Sequencing"	SQK-LSK110	1000 ng	85 min	BCA + BC01-BC12	AMX-F	FFPE, ER/dA ⁴	PCR
+ "PCR barcoding"	+ EXP-PBC001		+ PCR			LIG1, LIG2, LR-Taq	
"Rapid Barcoding"	SQK-RBK004	400 ng	10 min	RB01-RB12	RAP		TAG
(="Native tagmentation")							

Kits available to produce up to 6 libraries of 12 samples using ligation, tagmention or amplification at the time of the study. Magnetic beads are required for all kits and thus are not listed in consumables. The library names used in the present study are given in the last column as LIG, TAG or PCR (see manuscript introduction).

Abbreviations:

AMII = Adapeter Mix II

AMX-F = Adapter Mix F

BC = Barcode

BCA = Barcode Adapter

ER/dA = NEBNext Ultra II End Repair / dA-Tailing Module

FFPE = NEBNext FFPE DNA Repair Mix

LIG1 = NEB Blunt/TA DNA Ligase

LIG2 = NEBNext Quick T4 DNA ligase

LR-Taq = Long Range Taq

RAP = Rapid Sequencing Adapter Attachment

RB = Rapid Barcode

¹ONT-indicated minimum time

²Native Barcoding expansion NOT AVAILABLE for SQK-LSK110. The required expansion for the previous kit SQK-LSK109 was named EXP-NBD104 and contained adapters NBD01-NBD12.

³A pooled library without barcodes was prepared via ligation (SQK-LSK110) and sorted bioinformatically (see methods for further information)

⁴End-repair is conducted twice (prior to PCR adapter ligation and prior to sequencing adapter ligation)