

## **Method S2. DNA Preparation**

Genomic DNA (gDNA) from REH, OE19, a female (BM) and a male (NHS) healthy control (hc) were prepared using the QIAamp DNA Blood Midi Kit (Qiagen) according to the manufacturer`s protocol. DNA quality was monitored on a 1.5% agarose gel and DNA concentration was determined using Infinite<sup>®</sup> 200 PRO NanoQuant spectrometer (Tecan Group Ltd.).