**Supplementary Table 1**. Details relative to the DNA extraction procedures and to the NGS platform employed by participating institutions.

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| --- | --- | --- | --- | --- | --- |
| Inst. | Extraction Kit | Extraction protocoll | DNA concentration evaluation | NGS Platform | Library Preparation |
| DMM  | zymoresearch FFPE DNA Miniprep | Manual | Qubit DNA HS | S5Xl | manual |
| IEO | Maxwell RSC DNA FFPE Kit | Automated | Quantus | S5 | manual – automated |
| ICB  | Qiagen Gene ReadDNA FFPE | Manual | Qubit DNA HS | PGM | manual |
| NCI  | QIAamp DNA FFPE Tissue Kit | Manual | Qubit DNA HS | PGM | manual |

Abbreviations: Inst. : Istitution; PGM: Personal Genome Machine; DMM: University La Sapienza – Rome; IEO: Istituto Oncologico Europeo – Milan; Istituto ICB: Tumori Giovanni Paolo II – Bari; NCI: Consiglio Nazionale delle Ricerche – Sassari