

## APPENDIX MPS 2023

### CODES FOR KITS: TABLES 1A & 1B

| LIBRARY PREPARATION |  | LIBRARY QUANTIFICATION |  |
|---------------------|--|------------------------|--|
| Code                | KIT  | Code                   | KIT  |
| PL01                | Precision ID GlobalFiler™ NGS STR Panel v2 (TFS)                     | CL01                   | Ion Library TaqMan™ Quantitation Kit (TFS) |
| PL02                | ForenSeq DNA Signature Prep Kit Mix A (Verogen)                      | CL02                   | PowerSeq® Quant MS System                  |
| PL03                | ForenSeq DNA Signature Prep Kit Mix B (Verogen)                      | CL03                   | QIAseq Library Quant System (QIAgen)       |
| PL04                | ForenSeq MainstAY kit (Verogen)                                      | CL04                   | KAPA Library Quantification Kits (Roche)   |
| PL05                | ForenSeq MainstAY SE kit (Verogen)                                   | CL05                   | Kit de ensayo Qubit (TFS)                  |
| PL06                | PowerSeq® 46GY System (Promega)                                      |                        |  |
| PL07                | Precision ID mtDNA Control Region Panel (TFS)                        |                        |  |
| PL08                | Precision ID mtDNA Whole Genome Panel (TFS)                          |                        |  |
| PL09                | ForenSeq mtDNA Control Region Kit (Verogen)                          |                        |  |
| PL10                | ForenSeq mtDNA Whole Region Kit (Verogen)                            |                        |  |
| PL11                | PowerSeq® CRM Nested System, Custom (Promega)                        |                        |  |
| PL12                | QIAseq Investigator Human Mitochondria Control Region panel (QIAgen) |                        |  |
| PL13                | QIAseq Human Mitochondria panel (QIAgen)                             |                        |  |
| PL00                | Others (specify)   | CL00                   | Others (specify)                           |

### CODES FOR KITS: TABLES 1C & 1D

| TEMPLATE PREPARATION AND SEQUENCING |  |      |  |
|-------------------------------------|--|------|--|
| Code                                | KIT  | Code | Chip/Flow cell                               |
| PMS01                               | Ion S5™ Precision ID Chef & Sequencing Kit (TFS) | CH01 | Ion 510™ Chip (TFS)                          |
| PMS02                               | MiSeq FGx Reagent Kit (Verogen)                  | CH02 | Ion 520™ Chip (TFS)                          |
| PMS03                               | MiSeq FGx Reagent Micro Kit (Verogen)            | CH03 | Ion 530™ Chip (TFS)                          |
|                                     |  | CH04 | Ion 540™ Chip (TFS)                          |
|                                     |  | CH05 | Flow cell (Verogen)                          |
|                                     |  | CH06 | Micro flow cell (Verogen)                    |
|                                     |  | CH07 | MinION & GridION Flow Cell (Oxford Nanopore) |
|                                     |  | CH08 | PromethION Flow Cell (Oxford Nanopore)       |
| PMS00                               | Others (specify)                                 | CH00 | Others (specify)                             |

### CODES FOR INSTRUMENTS: TABLES 1A, 1B, 1C & 1D

| PREPARATION |                            | QUANTIFICATION |  | SEQUENCING |  |
|-------------|----------------------------|----------------|--|------------|--|
| Code        | INSTRUMENT                 | Code           | INSTRUMENT                               | Code       | INSTRUMENT                             |
| EP01        | Manual                     | EC01           | 7500 Real-Time PCR System (TFS)          | ES01       | Ion S5™ System (TFS)                   |
| EP02        | Ion Chef™ Instrument (TFS) | EC02           | 7500 Fast Real-Time PCR System (TFS)     | ES02       | Ion S5™ XL System (TFS)                |
| EP03        | Ion Chef™ Instrument (TFS) | EC03           | QuantStudio 5 Real-Time PCR System (TFS) | ES03       | Ion GeneStudio S5 System (TFS)         |
| EP04        | Tecan                      | EC04           | Rotor-Gene Q (QIAgen)                    | ES04       | Ion GeneStudio S5 Plus System (TFS)    |
| EP05        | Hamilton                   | EC05           | QIAquant (QIAgen)                        | ES05       | Ion GeneStudio S5 Prime System (TFS)   |
| EP06        | Beckman Coulter            | EC06           | Light Cycler (Roche)                     | ES06       | MiSeq FGx Sequencing System (Illumina) |
| EP07        | Agilent                    | EC07           | Qubit (TFS)                              | ES07       | GeneReader NGS System (QIAgen)         |
| EP08        | Eppendorf                  |                |  | ES08       | MinION (Oxford Nanopore)               |
| EP09        | VolTRAX (Oxford Nanopore)  |                |  | ES09       | GridION (Oxford Nanopore)              |
|             |                            |                |  | ES10       | PromethION (Oxford Nanopore)           |
| EP00        | Others (specify)*          | EC00           | Others (specify)*                        | ES00       | Others (specify)*                      |

\*brand and model

## APPENDIX MPS 2023

CODES FOR SOFTWARE: TABLE 1E

| Code | SOFTWARE                              |
|------|---------------------------------------|
| SW01 | Torrent Server Suite (TFS)            |
| SW02 | Universal Analysis Software (Verogen) |
| SW03 | CLC Genomics Workbench (QIAGEN)       |
| SW04 | GeneMarker® HTS (SoftGenetics)        |
| SW05 | NextGENe® (SoftGenetics)              |
| SW06 | NextGENe® LR (SoftGenetics)           |
| SW07 | ExactID® (Battelle)                   |
| SW08 | Torrent Variant Caller (TFS)          |
| SW09 | HID Genotyper plugin (TFS)            |
| SW10 | Converge (TFS)                        |
| SW11 | STRait Razor                          |
| SW12 | toaSTR                                |
| SW13 | lobSTR                                |
| SW14 | STRinNGS                              |
| SW15 | FDSTools                              |
| SW16 | IGV                                   |
| SW17 | GATK                                  |
| SW18 | mitoSAVE                              |
| SW19 | mtDNAServer                           |
| SW00 | Others (specify)                      |