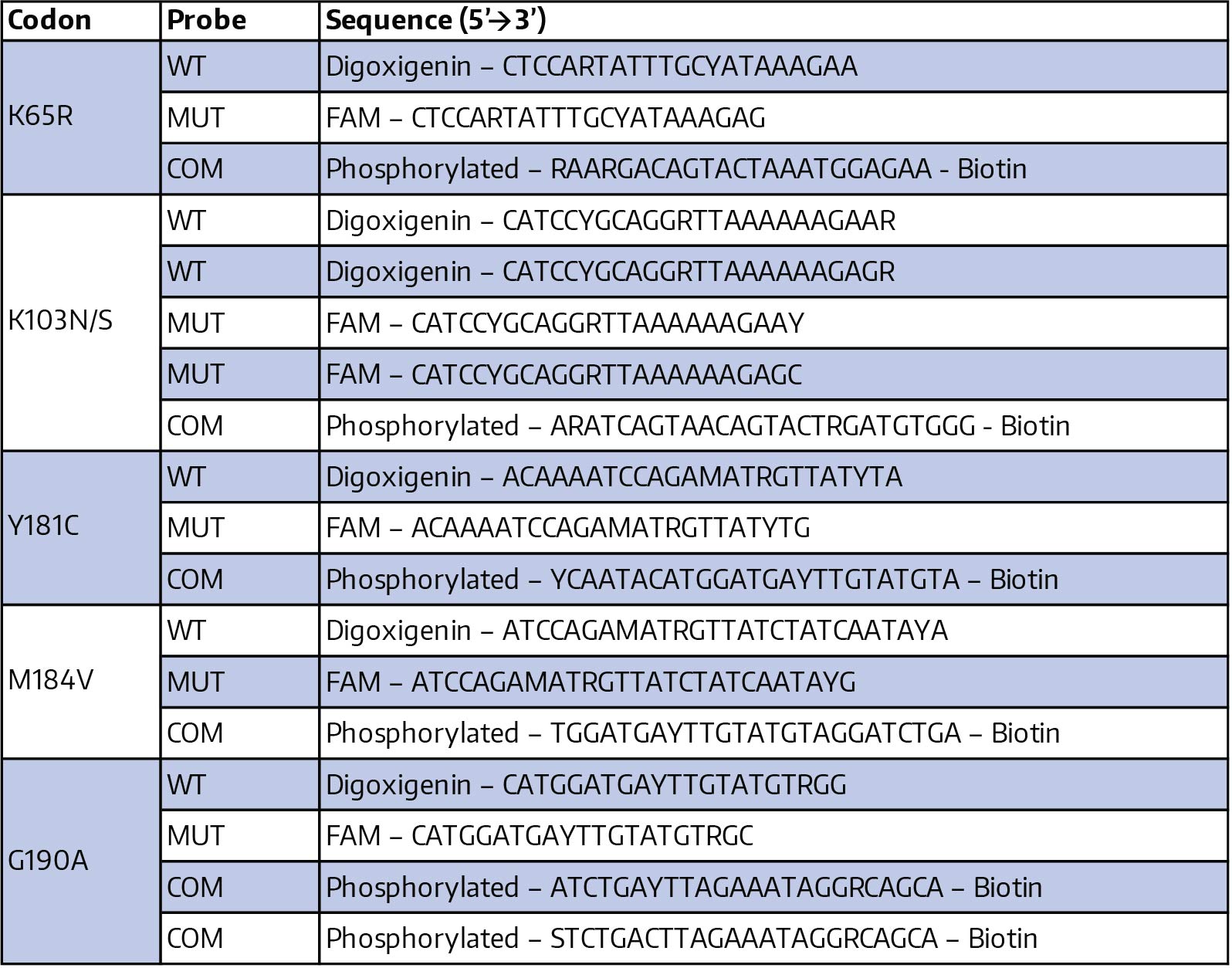
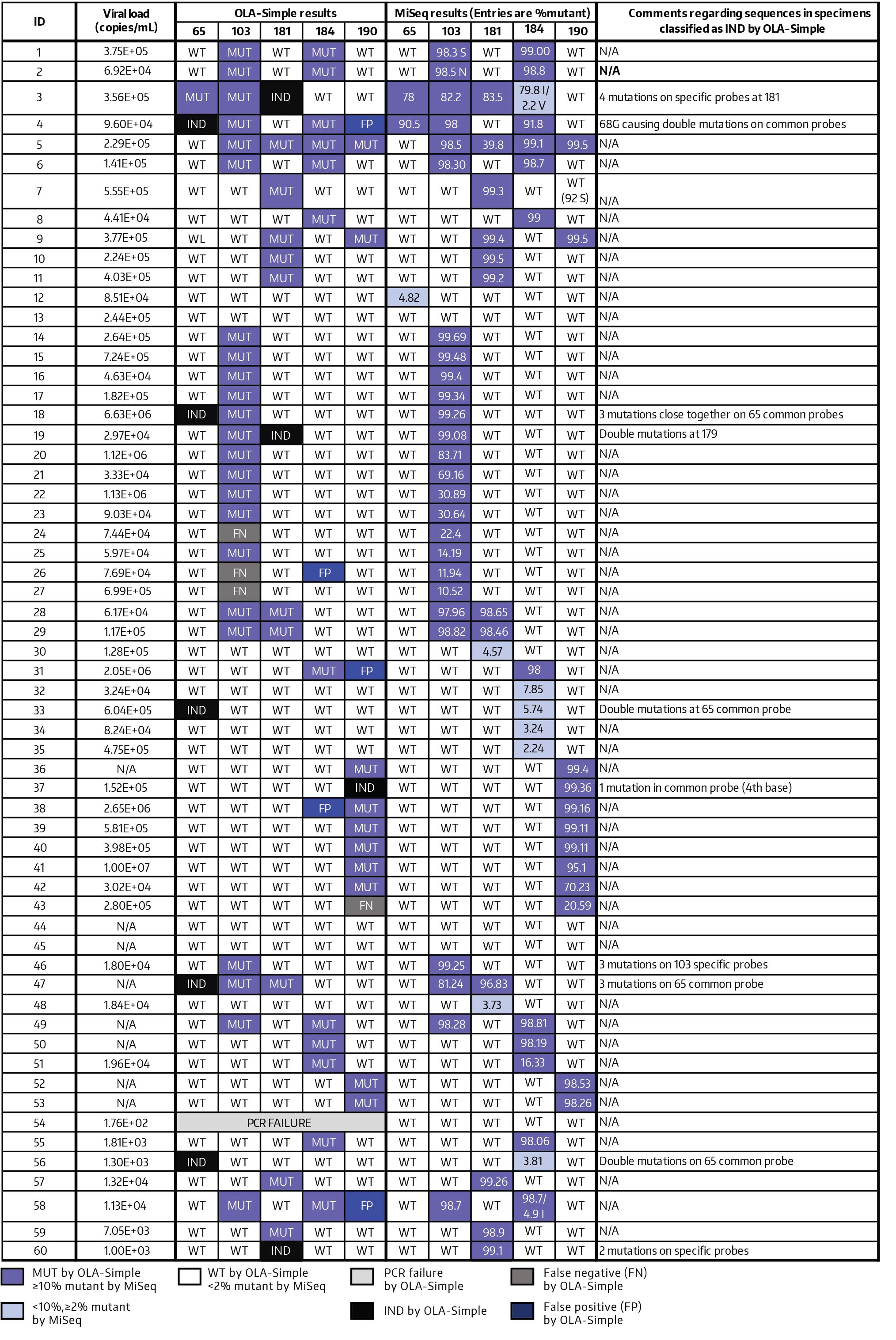
**Supplementary Information**

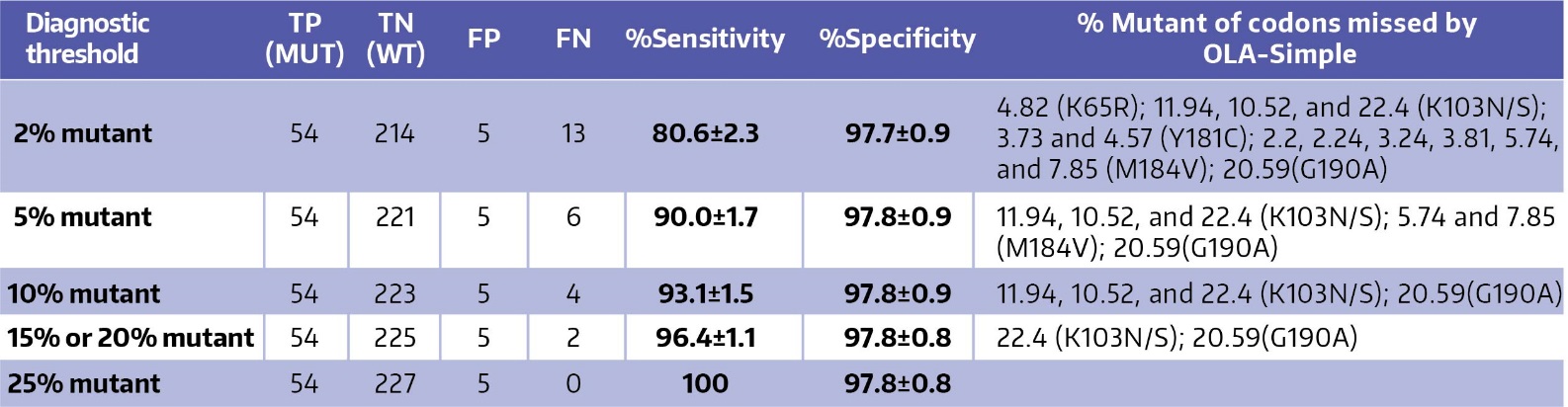
**Supplementary table 1**



**Supplementary table 2** Genotyping results by OLA-Simple and MiSeq

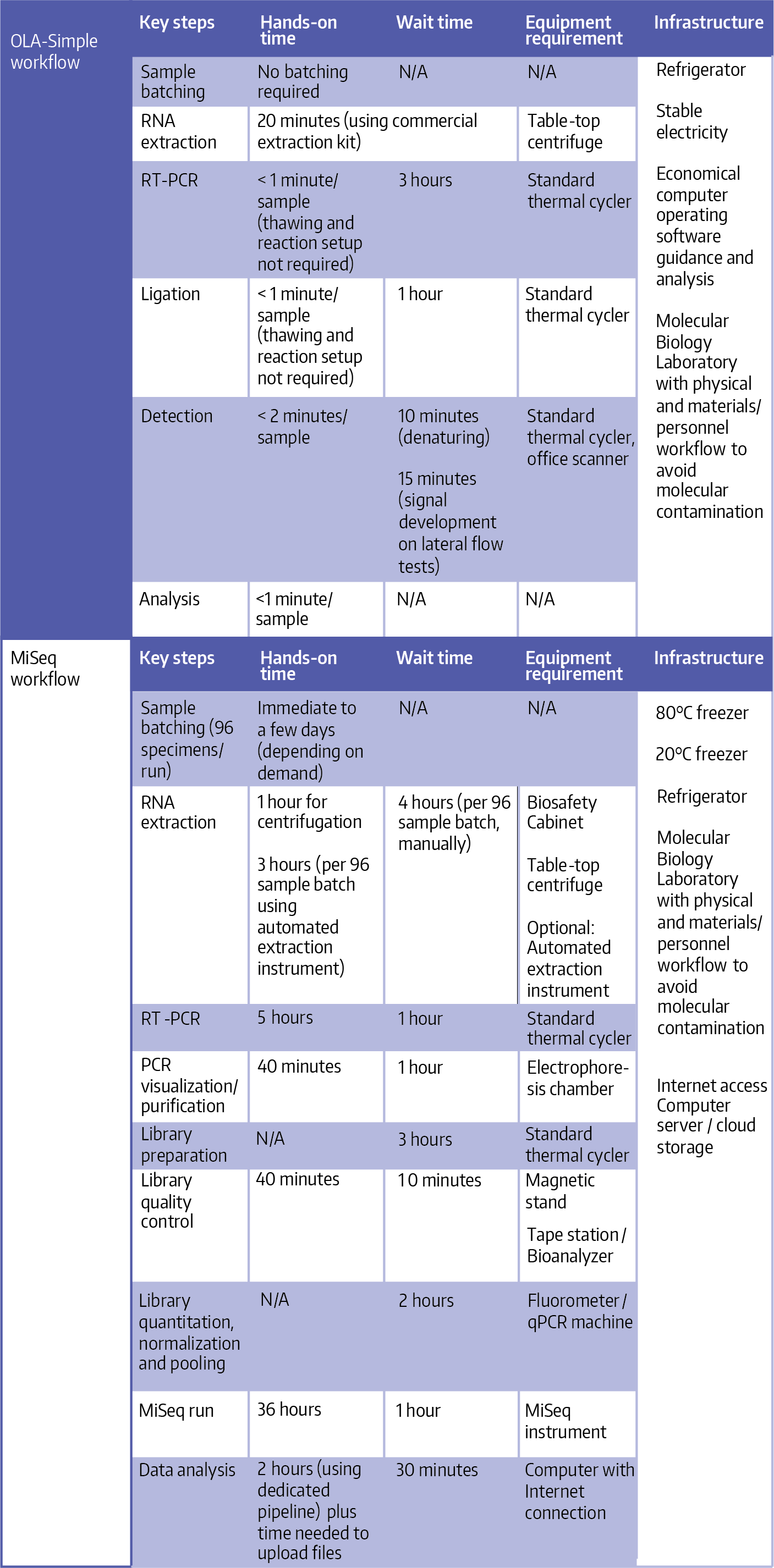


**Supplementary table 3**. Specificity and sensitivity of the updated OLA-Simple kit at different diagnostic thresholds.



MiSeq results were used as the sensitive reference assay; ≥ diagnostic threshold and <diagnostic threshold results by MiSeq were classified as positive (mutant) or negative (wild-type), respectively, for the reference result. TP = True positive, TN = True negative, FP = False positive, FN = False negative. Percent sensitivity and specificity are reported with standard errors.

**Supplementary table 4** Comparison of the workflows of OLA-Simple and MiSeq assays performed in this study



**Supplementary table 5.** Comparison of reagent costs, equipment costs, and assay times required in OLA-Simple and MiSeq

