**SUPPLEMENTARY TABLE 1**

Supplementary table 1: List of genes and respective covered exons used in the panel for solid tumors at Molecular Pathology Laboratory of Hospital Sírio-Libanês.

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| *AKT1*                           | exon 3                                                                   |
| *ALK*                        | exon 23                                                                 |
| *APC*  | exon 15                    |
| *BRAF*           | exons 11 and 15                                                      |
| *CDH1* | exons 8, 9 and 12                                                    |
| *CTNNB1*             | exon 2                                                                   |
| *EGFR*                     | exons 18 to 21                                                      |
| *ERBB2* | exon 20                                                                         |
| *FBXW7*                                 | exons 7 to 11                                                        |
| *FGFR2*                                 | exon 6                                                                   |
| *FOXL2* | exon 1                                                                   |
| *GNAQ*         | exons 4 to 6                                                          |
| *GNAS*      | exons 6 and 8                                                          |
| *KIT* | exons 9,11,13,17 and 18                                       |
| *KRAS* | exons 1, 2, 3, and 4                                                |
| *MAP2K1*                                  | exon 2                                                                   |
| *MET*                             | exon 14 andintron 14-15                                       |
| *MSH6*    | exon 5                                                                   |
| *NRAS* | exons 1, 2, 3, and 4                                                |
| *PDGFRA* | exons 12,14 and 18                                                |
| *PIK3CA*                            | exons 2,3,8,10 and 21                                            |
| *PTEN*                | exons 1 to 7 and 9                                                    |
| *SMAD4*                                 | exons 8 and 11                                                        |
| *SRC* | exon 10                                                                 |
| *STK11* |   |
| *TP53*  |   |