

**Supplementary Table 5: Code library**

Barcode	Coded target
4G1R	Anthrax lethal factor of <i>Bacillus anthracis</i> <sup>17</sup> (GGA TTA TTG TTA AAT ATT GAT AAG GAT)
2G1R	Lipoprotein gene of <i>Francisella tularensis</i> (435-463) <sup>18</sup> (GCT GTA TCA TCA TTT AAT AAA CTG CTG)
1G1R	L gene of Ebola virus(13601-13631) <sup>19</sup> (CAT GTC AGT GAT TAT TAT AAC CCA CCA)
1G2R	Control, where the capture probe and the report were complementary to each other for hybridization control
1G4R	N gene of SARS Coronavirus (28262-28286) <sup>20</sup> (ATA ATA CTG CGT CTT GGT TCA CAG C)