**Supplementary table 1.** Gene targets for the pathogens included on the TaqMan Array card. All the assays were validated previously (1).

|  |  |  |  |
| --- | --- | --- | --- |
|  | Pathogen | Gene target | Definition when ≥ 2 targets are interrogated |
| Virus | Adenovirus F | Fiber gene |  |
|  | Adenovirus C | hexon |  |
|  | Adenovirus | Hexon |  |
|  | Astrovirus | Capsid |  |
|  | Cytomegalovirus | glycoprotein B | Either target is positive. |
|  |  | Immediate early 2 |  |
|  | Enterovirus | 5’UTR |  |
|  | Epstein-Barr virus | rpms1 protein |  |
|  | Human Herpesvirus 6 | immediate-early gene |  |
|  | Human Herpesvirus 7 | structural phosphoprotein  |  |
|  | Norovirus GI | ORF1-2 |  |
|  | Norovirus GII | ORF1-2 |  |
|  | Rotavirus | NSP3 |  |
|  | Rotarix | NSP2 |  |
|  | RotaTeq | VP6 |  |
|  | Sapovirus | RdRp |  |
| Bacteria | EAEC | aggR |  |
|  | EPEC | eae | Atypical EPEC without bfpA, stx1, stx2 |
|  |  | bfpA | Typical EPEC |
|  | ETEC | LT | Any of the three targets is positive. |
|  |  | STh |  |
|  |  | STp |  |
|  | STEC | *stx1* | Either target is positive. |
|  |  | *stx2* |  |
|  | *E. coli* O157 | rfbE |  |
|  | *C. jejuni/C. coli* | cadF |  |
|  | *Campylobacter* spp. | Cpn60 |  |
|  | *Clostridium difficile* | tcdA | Either target is positive. |
|  |  | tcdB |  |
|  | *Salmonella enterica* | *ttr* |  |
|  | *Shigella*/EIEC | *ipaH* |  |
|  | *Yersinia enterocolitica* | *lytA* |  |
| Protozoa | *Cryptosporidium* spp. | 18S rRNA |  |
|  | *Entamoeba histolytica* | 18S rRNA |  |
|  | *Giardia lamblia* | 18S rRNA |  |
| Helminth | *Ancylostoma duodenale* | *ITS2* |  |
|  | *Necator americanus* | *ITS2* |  |
|  | *Ascaris lumbricoides* | *ITS1* |  |
|  | *Strongyloides stercoralis* | Dispersed repeatitive sequence |  |
|  | *Trichuris trichiurs* | 18S rRNA |  |

1. Liu J, Gratz J, Amour C, et al. Optimization of Quantitative PCR Methods for Enteropathogen Detection. PLoS One 2016; 11:e0158199.