

S2 Table. Results of robustness study. RSD (%) of ddPCR assays obtained from testing fortified cooked meat samples under different conditions in terms of DNA storage (fresh vs frozen at -20°C for 3 weeks), PCR reagent shelf life (fresh vs close to expiry date) and PCR machine age (new vs old)

| Detection target | RSD% of different ddPCR assays | | |
|-------------------------------|---------------------------------------|-----------------------|----------------|
| | Bovine | Porcine | Chicken |
| Range tested (% wt/wt) | 0.05-3.0 | 0.01-1.0 | 0.01-1.0 |
| DNA storage | 6.7-22.6 | 4.7-12.0 | 1.7-11.5 |
| PCR reagent shelf life | 5.6-13.3 | 3.1-9.5 | 1.7-11.5 |
| PCR machine age | 2.0-13.3 | 1.5-14.9 ^a | 2.9-13.1 |

^aThere was one outlier with RSD of 59% at 0.05%. It is expected that it was due to heterogeneous nature of the sample.