

Figure S1. The effect of QDs on the multiple rounds amplification of a 111 bp target DNA from plasmid DNA after 1h preincubation at 50 °C. Pfu DNA polymerase was used; Lane M: MW DL2000; The numbers marked above the lanes were the concentrations of QDs in nM.

Figure S2. The effect of AuNPs on the multiple rounds amplification of a 400 bp target DNA from the marine fouling organisms genome DNA after 1h preincubation at 50 °C. Pfu DNA polymerase was used; Lane M: MW DL2000; The numbers marked above the lanes were the concentrations of QDs in nM.

Figure S3. The effect of three different surface modified QDs in multi-round PCR. The numbers marked above the lanes were representative of different concentrations of QDs, which were 0, 42, 83, 125 and 166 nM.

Figure S4. The effects of QDs concentration on the specificity of PCR after 1h preincubation at 50 °C. Pfu DNA polymerase was used; Lane M: MW DL2000; The numbers marked above the lanes were the concentrations of QDs in nM.

Figure S1

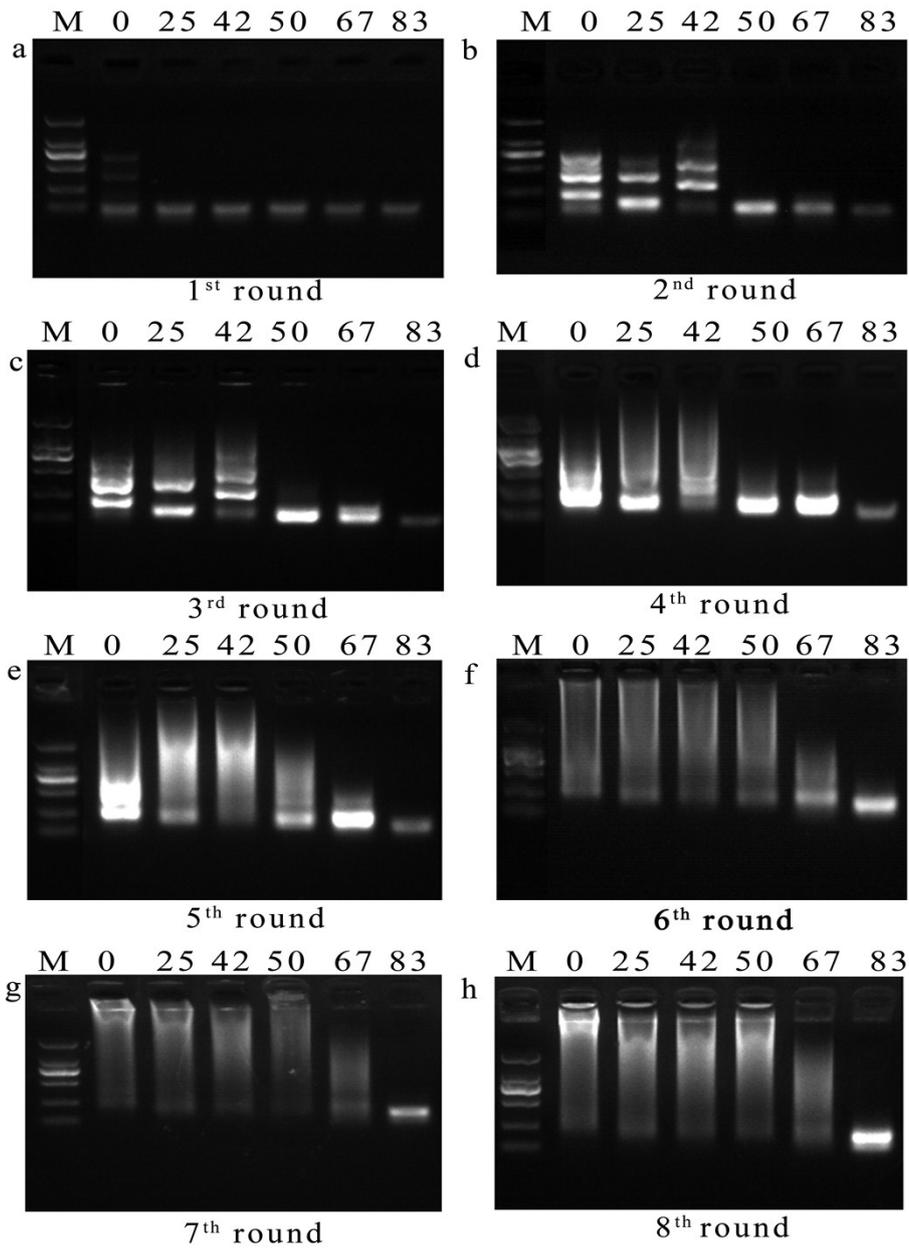


Figure S2.

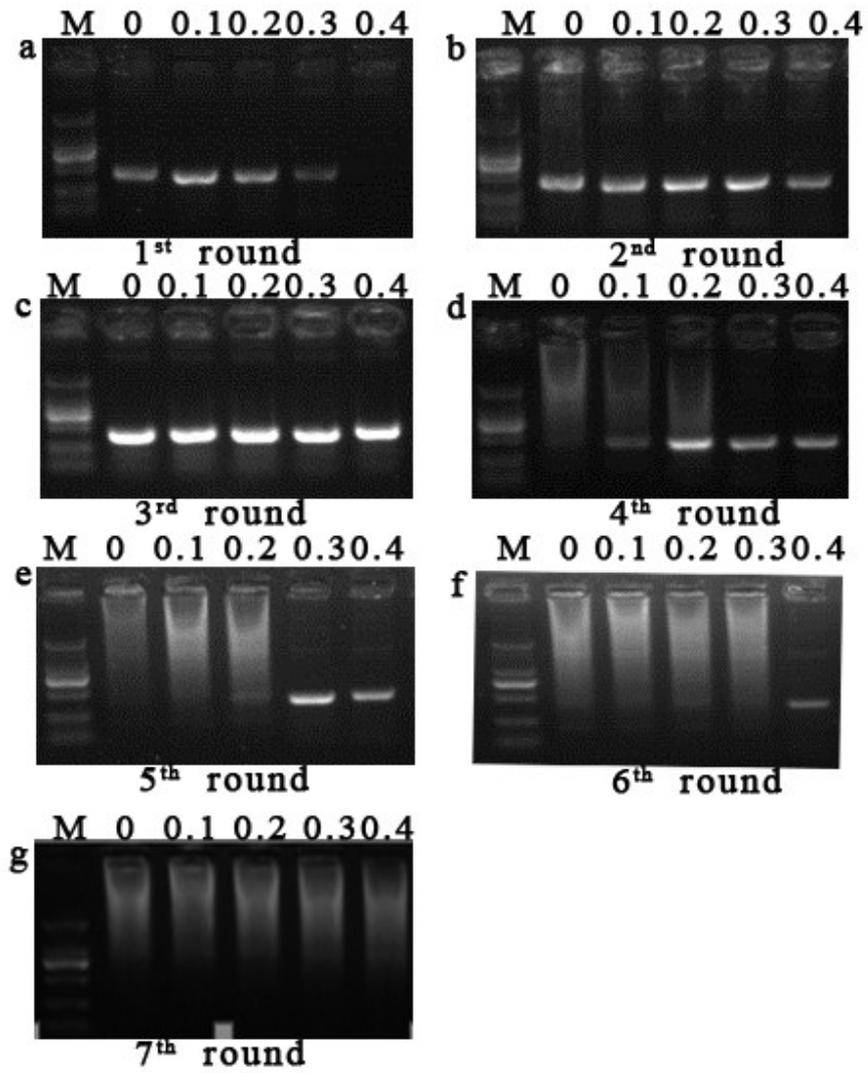


Figure S3

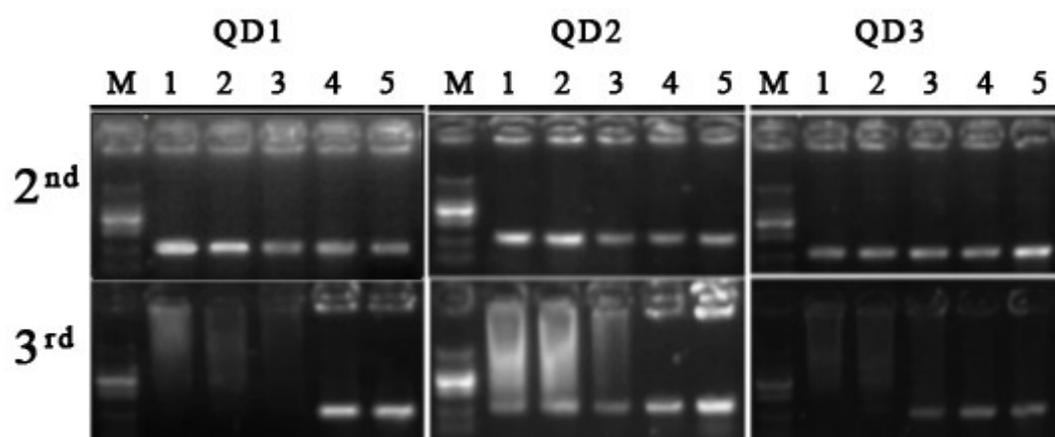


Figure S4

