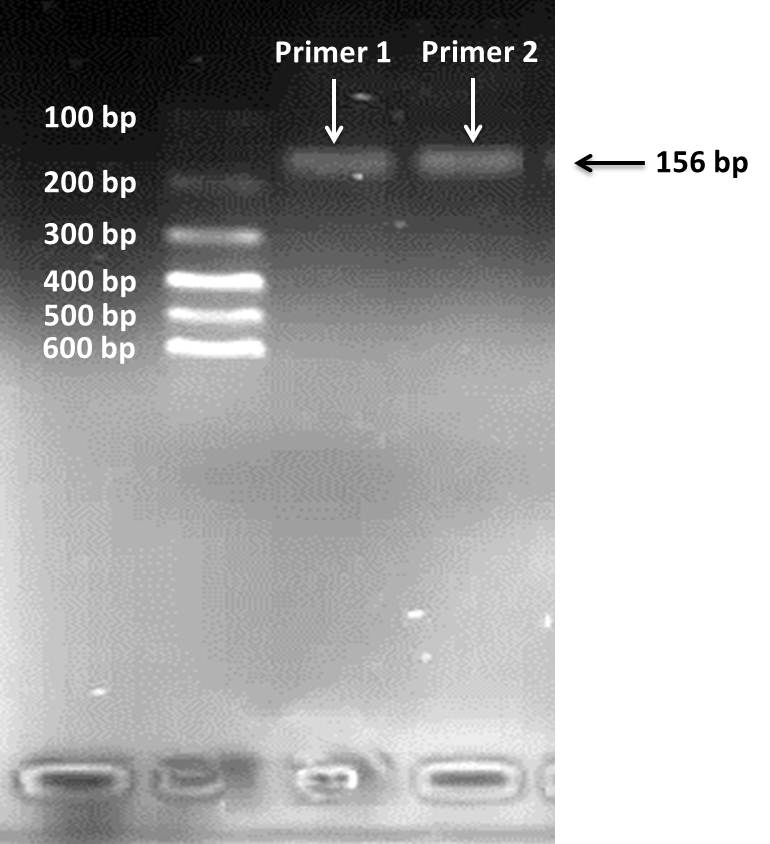
We identified a point mutation in the glucocorticoid receptor (GR) sense primer (Sense Primer 1: 5’-CACCCATGATCCTGTCAGTG-3’). We have synthesized a new one with correct sequence (Sense Primer 2: 5’- CACCCATGACCCTGTCAGTG-3’) and performed an apple-to-apple real time RT-PCR experiment to compare the two sense primers. The result indicated a single peak of melt curve of GR using two sense primers. Further, we performed a PCR experiment without RT reaction on total RNA that were pre-treated with RNase-free DNase (Takara Biotechnology Co., Ltd), and we got an image of complete agarose gel, in which a single band at 156 bp was present with both sense primers. These results suggest that such point mutation may not alter much of the actual result.

C:\Users\xuyidan\Desktop\图片1.tif

The melt curve of glucocorticoid receptor (GR) and the image of complete agarose gel of GR band at 156 bp using two sense primers. Sense Primer 1: 5’-CACCCATGATCCTGTCAGTG-3’; Sense Primer 2: 5’- CACCCATGACCCTGTCAGTG-3’