



**Supplementary Figure 1.** Profile of 2% (w/v) agarose gel electrophoresis for PCR cycle optimization of amplified bound RNA to rhCD36 protein for sqRT-PCR assay.

The images represent the optimization of number PCR cycle at (a) 7<sup>th</sup> PCR cycle (b) 9<sup>th</sup> PCR cycle (c) 11<sup>th</sup> PCR cycle (d) 13<sup>th</sup> PCR cycle (e) 15<sup>th</sup> PCR cycle. The highlighted boxes represent the selected optimum number of PCR cycles for ImageJ quantification. Legend: M: 100 bp ladder, 1<sup>st</sup>, 3<sup>rd</sup>, 7<sup>th</sup>, 9<sup>th</sup>, 11<sup>th</sup>, and 13<sup>th</sup>: Selected SELEX cycle of the RNA pool.