Supplementary Fig. 6. Double cysteine TRPC5 mutant (C553S/C558S) activation depend on stimulation. (A, B) A representative full current trace of TRPC5<sup>WT</sup> (A) or TRPC5<sup>C553S/C558S</sup> (B) with active form of Ga<sub>i2</sub> (Q209L) induced by Cs<sup>+</sup>-rich solution (left) and the I-V relationship of current increases (right). The a, b indicates the point at which I-V relationship was obtained. We could not observe the activation of double cysteine TRPC5 mutant by Ga<sub>i2</sub> with Cs<sup>+</sup>. (C, D) A representative full current trace of TRPC5<sup>WT</sup> (C) or TRPC5<sup>C553S/C558S</sup> (D) induced englerin A (EA) (left) and the I-V relationship of current increases (right). The a, b indicates the point at which I-V relationship was obtained. The mutant form was activated by EA, but required longer time and current was smaller than WT. TRPC5, transient receptor potential canonical 5; WT, wild type.