

**Quantum Curcumin mediated inhibition of gingipains and mixed-biofilm of
Porphyromonas gingivalis causing chronic Periodontitis**

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Supplementary Data Sheet

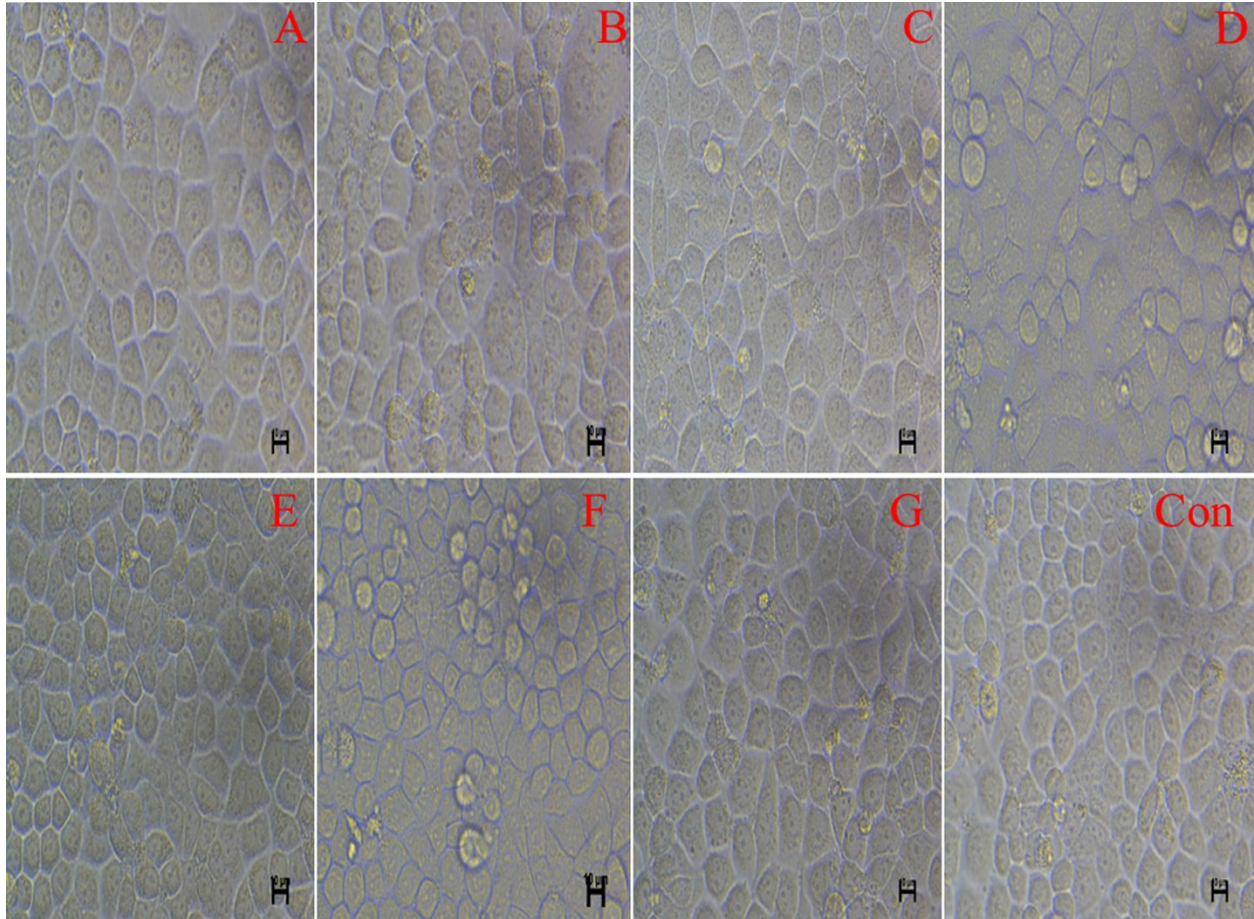


Figure S1: Comparative evaluation of morphology/appearances of the Vero cells after treatment with quantum curcumin.

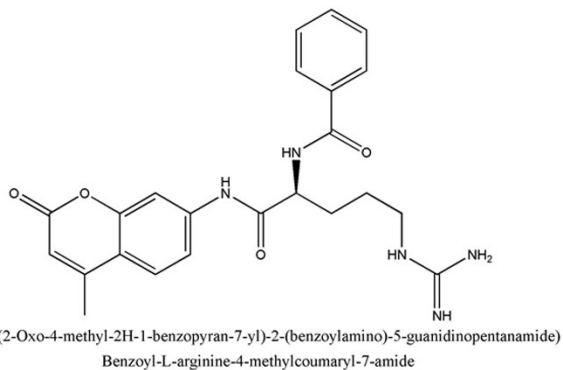
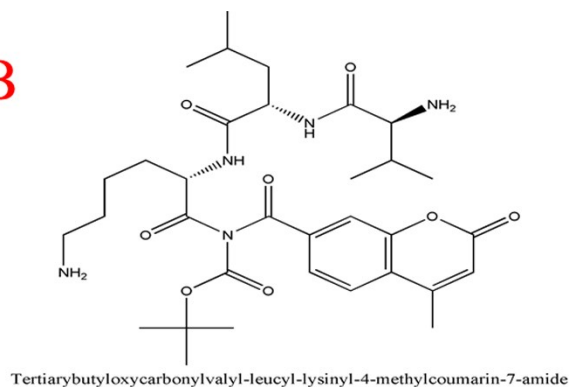
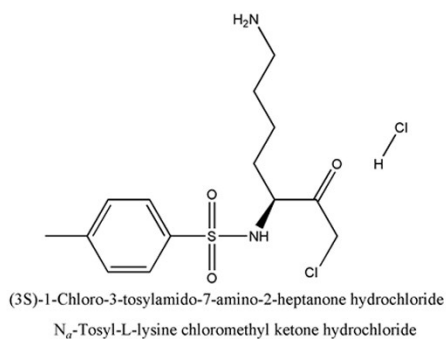
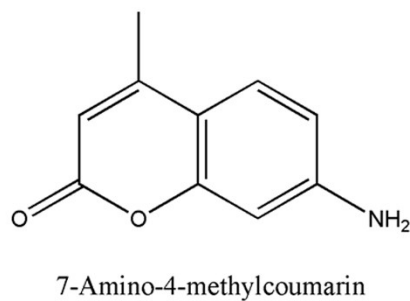
A**B****C****D**

Figure S2: Reagents utilized for *Arg*- and *Lys*- specific proteases of *P. gingivalis*. **A.** benzoyl-L-arginine-4-methylcoumaryl-7-amide (for arginine-specific proteinase activity). **B.** *t*-butyloxycarbonyl-L-valyl-L-leucyl-L-lysine-4-methylcoumaryl-7-amide (for lysine-specific proteinase activity). **C.** Terminating reagent N_{α} -*p*-tosyl-L-lysine chloromethyl ketone hydrochloride. **D.** Fluorescent reaction product (7-Amino-4-methylcoumarin)