Ratio of total $\alpha 1$ (S326fs328X) to total $\alpha 1$ subunits ¬ xx/t mut αβν Ca \square mut αβγ fugene mmm mut α alone Ca

mut α alone fugene HEK HeI a Supplementary Figure 1. Quantification of the mutant

human \(\alpha 1(\S326fs328X)\) subunit protein. We used the more quantitative technique of flow cytometry to measure the relative expression of total mutant α1(S326fs328X) subunit protein vs wild-type α1 subunit protein in HEK and HeLa cells under different conditions. Expression of total wild-type subunit protein was arbitrarily taken as 1, and mutant was normalized to wild-type subunit protein each time (n = 1-5). In

all conditions, wt stands for wild-type, mut $\alpha\beta\gamma$ Ca or mut $\alpha\beta\gamma$ fugene stands for the total mutant protein when expressed with β2 and γ2S subunits by calcium phosphate precipitation (mut

αβγ Ca) or by Fugene (mut αβγ fugene) transfection. Total

mutant protein was expressed with $\alpha 1$ subunit alone by calcium phosphate precipitation (mut $\alpha 1$ alone Ca) or by

Fugene transfection (mut $\alpha 1$ alone fugene).