

YMTHE, Volume 28

Supplemental Information

Gentamicin Induces Laminin 332 and Improves

Wound Healing in Junctional Epidermolysis

Bullosa Patients with Nonsense Mutations

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Supplemental Figure S1

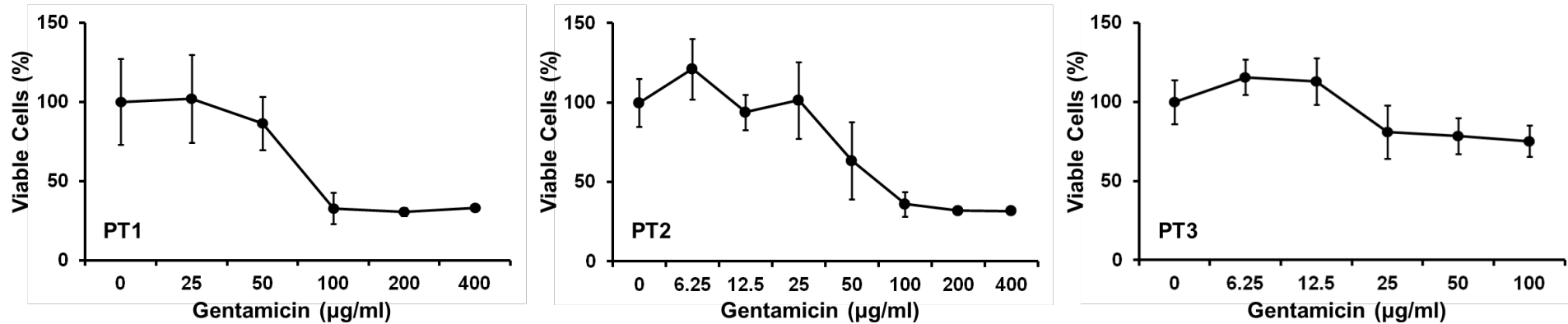


Fig. S1. Viability Assay (XTT) of GS-JEB cells treated with gentamicin.

The primary GS-JEB keratinocytes isolated from PT1-PT3 were seeded onto 96 well plates in quadruplicate at a density of 10,000 cells per well. At 24 hours after seeding, fresh medium was added containing gentamicin (0 to 400 µg/ml) for PT1 and PT2 and (0 to 100 µg/ml) for PT3. At 48 hours after treatment, XTT solution was added to each well. After 4 hours of incubation at 37°C, plates were read at a 450 nm wavelength. Data represent the mean \pm SD of quadruplicate determinations in one representative experiment. Similar results were obtained in two other independent experiments.

Supplementary Table I

PT ID	Genotype	5' (-3 to -1)	Nonsense Mutation	3' (+4 to +6)
PT1	c.975T>A (C325X)	ACA	UGA	CAC
PT2	c.189C>A (Y63X)	GGA	UAA	TAT
PT3	c.1873C>T (Q625X)	ACA	UAA	AAG

Supplementary Table 1: Type and immediate nucleotides surrounding the nonsense mutations in three patients.