

A novel dominant GJB2 (DFNA3) mutation in a Chinese family

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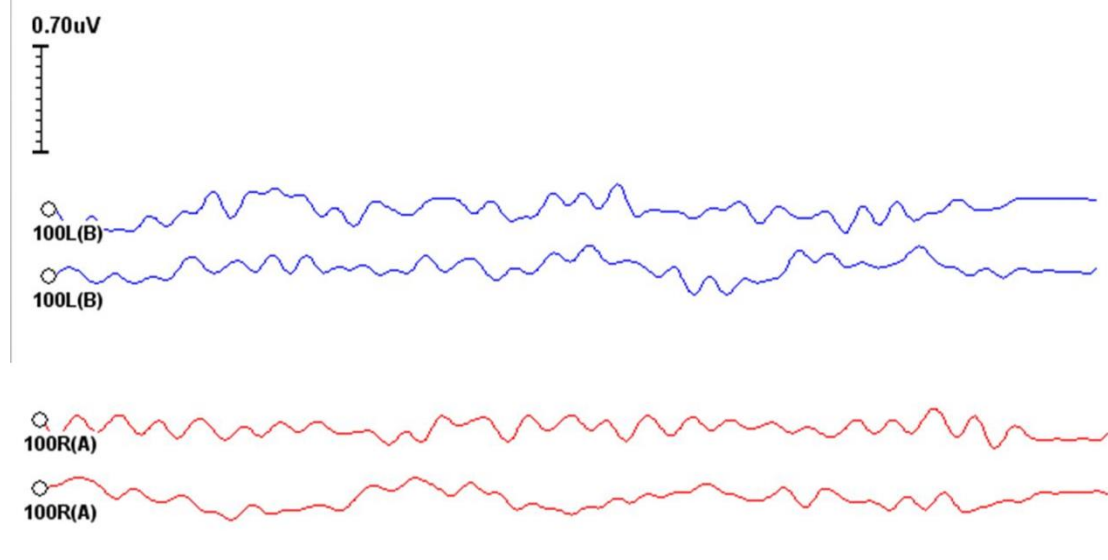
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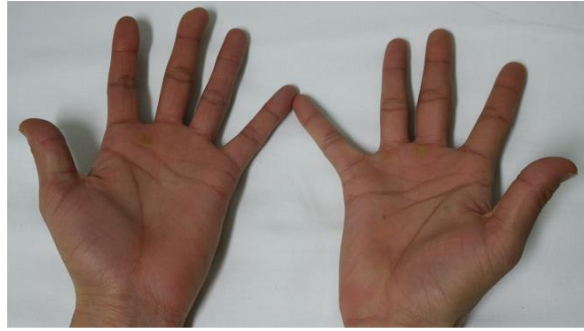
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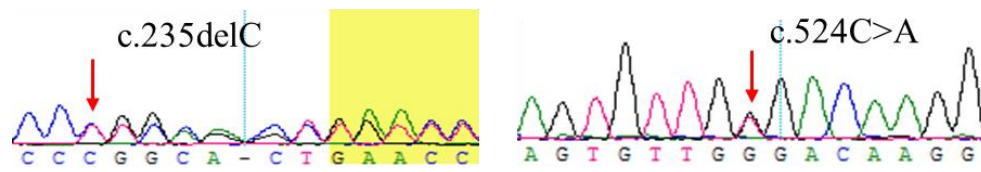
Supplementary Figure S1. The ABR results of the propositus.



Supplementary Figure S2. Photos of the propositus showing absence of skin symptoms.



Supplementary Figure S3. DNA sequence chromatogram showing the heterozygous missense mutations c.524C>A in affected individuals and the c.235delC in IV:21.



Supplementary Figure S4. Conservation analysis shows that the Pro residue at 175 in *GJB2* is conserved across.

Human	QRLVKCNAW P CPNTVDC	175
Ptrogodytes	QRLVKCNAW P CPNTVDC	175
Mmulatta	QRLVKCNAW P CPNTVDC	175
Fcatus	QRLVKCNAW P CPNTVDC	175
Mmusculus	QRLVKCNAW P CPNTVDC	175
Xtropicalis	QRLVQCSNW P CPNVV	174
Ggallus	PRLMKCSAW P CPNTVDC	175
Drerio	ARLVKCEQW P CPNKV	177

Supplementary FigureS5. The primer sequences and PCR cycle of *GJB2* gene.

Primer information of GJB2 EXON2: Product length 960bp

GJB2-Exon2- F : 5'- TTGGTGTGTTGCTCAGGAAGA-3'

GJB2-Exon2- R : 5'- GGCCTACAGGGGTTTCAAAT-3'

GJB2 PCR Cycle: (S1000 PCR Instrument-BIO-RAD)

94°C , 5min

1 cycle

94°C , 30sec

63-58°C , 40sec

72°C , 40sec

10 cycles

94°C , 30sec

58°C , 40sec

72°C , 40sec

27 cycles

72°C , 5 min

4°C , F

1 cycle