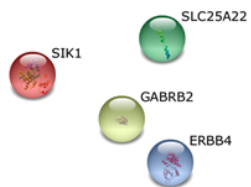


The UCSC Genome Browser (<https://genome.ucsc.edu/>) revealed high conservation of the threonine residue at position 287 in GABRB2 among 100 vertebrates.

Supplementary Figure S2. Protein-protein interactions between GABRB2 and ERBB4,

SLC25A22 or SIK1.

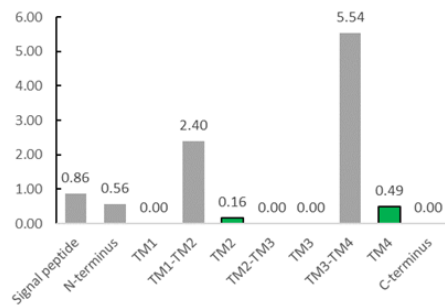
Figure S2



Retrieval of Interacting Genes/Proteins (STRING) (accessed on Mar 11, 2016) does not find any direct relationships between GABRB2 and ERBB4, SLC25A22 or SIK1 protein.

Supplementary Figure S3. Distribution of benign missense variants in domains of the β 2-subunit.

Figure S3



The β 2-subunit is divided into 10 domains: Signal peptide, N-terminus, TM1, TM1-TM2, TM2, TM2-TM3, TM3, TM3-TM4, TM4 and C-terminus. The figure illustrates the frequency of 297 benign missense variants of the ExAC browser per amino acid number in a given domain. The average frequency was defined as 1.