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(54) Title: GJB2 REGULATORY ELEMENTS AND USES THEREOF

(57) Abstract: The disclosure provides gap junction protein beta 2 (GJB2) promoters and enhancers, as well as vectors containing the same, that can be used to express an expression product in GJB2-expressing cells, including cochlear supporting cells. The GJB2 promoters and enhancers described herein may be operably linked to a polynucleotide, such as a transgene encoding a wild-type form of Gjb2, for treatment of subjects having or at risk of developing hearing loss (e.g., GJB2-related hearing loss).

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