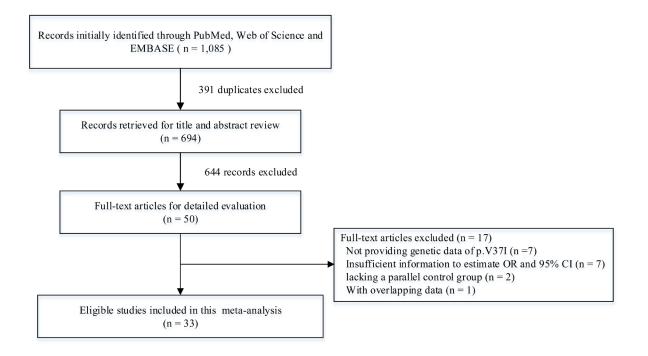
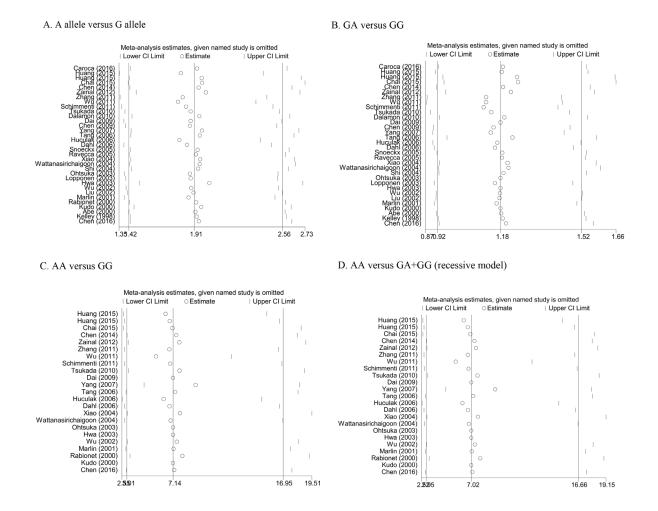
Association between the p.V37I variant of *GJB2* and hearing loss: a pedigree and meta-analysis

SUPPLEMENTARY MATERIALS



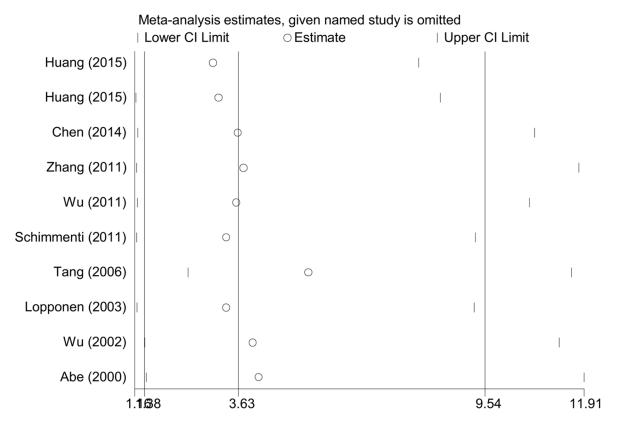
Supplementary Figure 1: A flow chart of literature search.

Oncotarget, Supplementary Materials 2017



Supplementary Figure 2: Sensitivity analyses of the effects of p.V37I on HL risk under the (A) allelic, (B and C) codominant, and (D) recessive models.

www.impactjournals.com/oncotarget/



Supplementary Figure 3: Sensitivity analysis of the effects of compound heterozygous p.V37I variants on HL risk.

<u>ΑΛΛΑΛΑΛΛΛ</u>

Proband S3: p.V37I/ p.V37I

S3's father: p.V37I/+

S3's mother: p.V37I/+ тс

G

тватсст

G с т G

ΔΔΔ

 $\land \land \land$

Family 3

c 🖪

ΔŊ

G

 $\Delta \Lambda \Delta \Delta \Lambda$

Family 1 Proband S1: p.V371/ p.V371 таатсстс <mark>а</mark> ттатааст	Family 2 Proband S2: p.V371/ p.V371 т с А т с с т с ◙ т т с т с с с с
$\dot{\gamma}$	$\dot{\nabla}$
SI's father: p.V371/+ T G A T C C T C 🛛 T T G T G G C T	S2's father: p.V371/+ TGATCCTC GTTGTGG
S1's mother: p.V371/+ тактсстс 🛛 ттатааст о о ст. — О О	S2's mother: p.V371/+ TGATCCTC TTGTGGG
	$ \begin{array}{c} & & \\ & & \\ & & \\ & & \\ & & \\ & \\ & \\ $
S1's older sister: p.V371/+ T G A T C C T C I T T G T G G C T O O O O O O O O O O O O O O O O O O	
Family 4 Proband S4: p.V371/ p.V371 _	Family 5 Proband S5: p.V371/ p.V371
т 6 Ат с С т с Ат Т 6 Т 6 6 С т S4's father: p.V371/+ т 6 Ат с с т с 🖬 т т 6 т 6 6 с т	таатсстсатта тааст S5's father: p.V371/+ таатсстсатта тааст
	$\gamma \Lambda \Lambda$
та Атсстсяттата аст S4's mother: p.V371/+ та Атсстс 🛛 тта та аст	S5's mother: p. V371/+ та атсстс∎ тта та аст
$\bigwedge \bigwedge_{\mathbf{a}} \bigwedge_{\mathbf{a}} \bigwedge_{\mathbf{a}} \bigwedge_{\mathbf{c}} \bigwedge_{\mathbf{c}} \bigwedge_{\mathbf{c}} \bigwedge_{\mathbf{c}} \bigwedge_{\mathbf{c}} \bigwedge_{\mathbf{a}} \bigwedge_{\mathbf{a}} \bigwedge_{\mathbf{a}} \bigwedge_{\mathbf{a}} \bigwedge_{\mathbf{c}} \bigwedge_{\mathbf{c} \ldots_{\mathbf{c}} \bigwedge_{\mathbf{c}} \bigwedge_{\mathbf{c}} \bigwedge_{\mathbf{c}} \bigwedge_{\mathbf{c}} \bigwedge_{\mathbf{c}} $	$\bigwedge \bigwedge $
Family 6	Family 7
Proband H1: p.V371/с.176_191del16 p.V371/+ т а ∧ т с с т с 🛐 т т а т а а с т	Proband H2: p.V371/c.235delC p.V371/+ т б А т с с т с 🖬 т т б т б б с т
	$\bigwedge_{T \atop a \atop A \atop T \atop c.235delC/+} \bigwedge_{C \atop c \atop $
$ \begin{array}{c} c.176_191del16/+\\ a c a a c c c a a a y v a s a v s a \\ \end{array} $	
H1's father: c.176_191del16/+ a c A a c c A a b v v a s A v s A A	H2's father: c.235delC/+
A C A G C C A G G Y V G S A V S A H1's mother: p.V37U/+ T G A T C C T C T T G T G G C T	$\begin{array}{c} & & & \\ & & & \\ & & & \\ & & & \\ H2's mother: p.V371/+ \end{array}$
$\dot{\nabla}$	T G A T C C T C E T T G T G G C T
Hi's older brother: c. 176_191 de 116/+ G C A G C C A G G Y V G S A V S A A	

Supplementary Figure 4: Sanger sequencing results of pedigree analyses.

Supplementary Table 1. Primers and PCR conditions used for mutation analyses

See Supplementary File 1