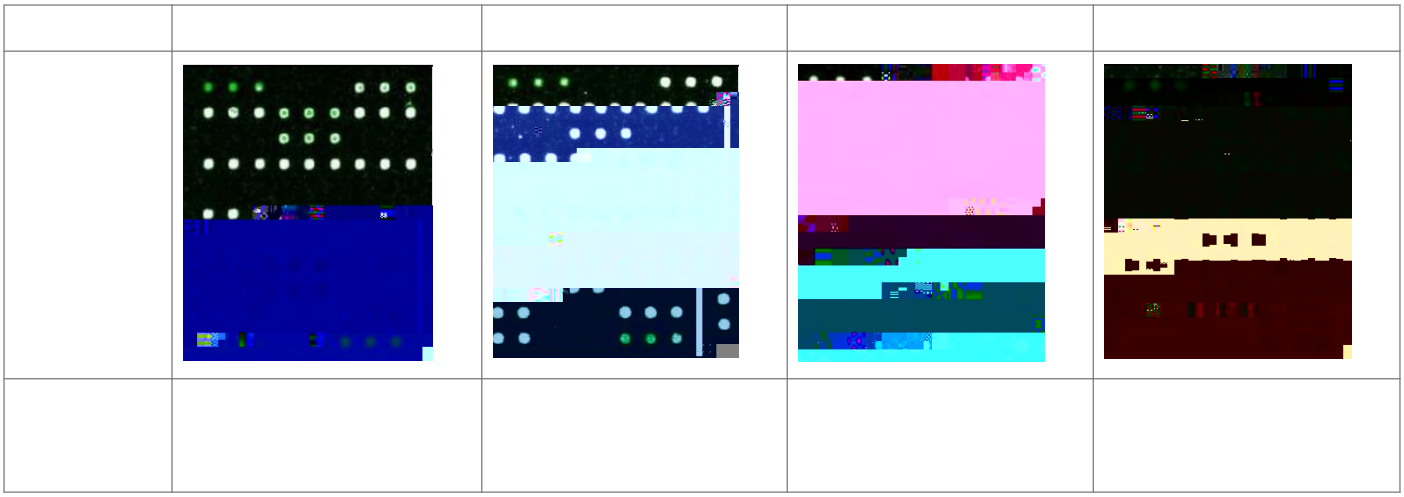

The carrier and mutation rates of deafness genes by DNA micro array

Among the 250 NSHL cases included in our study, 16 carried at least one type of pathogenic mutation, for a carrier rate of 6.4%. No mutations were identified in the control group (Table 2).

Gene	Nucleotide chance	Carrier number		Carrier rate % (n=16)	Carrier rate % in total (n=250)
		Homozygous	Heterozygous		
GJB2	c.299-300delAT	3	5	50%	3.2%
	c.235delC	0	3	18.75%	1.2%
	35delG	0	0	0%	0%
	176del16	0	0	0%	0%
SLC26A4	c.2168A>G	0	3	18.75%	1.2%
	IVS7-2A>G	0	0	0%	0%
12S rRNA	1555A>G	2	0	12.5%	0.8%
	1494C>T	0	0	0%	0%
GJB3	s538C>T	0	0	0%	0%
Total		16		100%	6.4%

Table 2: The carrier rate of deafness genes in 250 HL children.