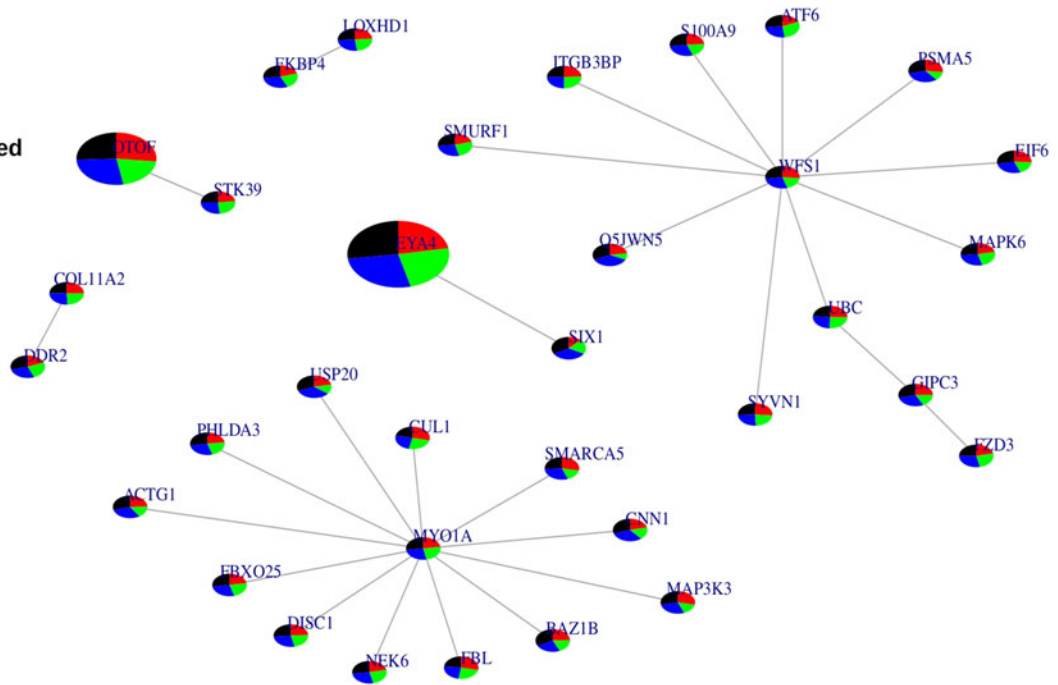


A
Sub-network of identified mutations

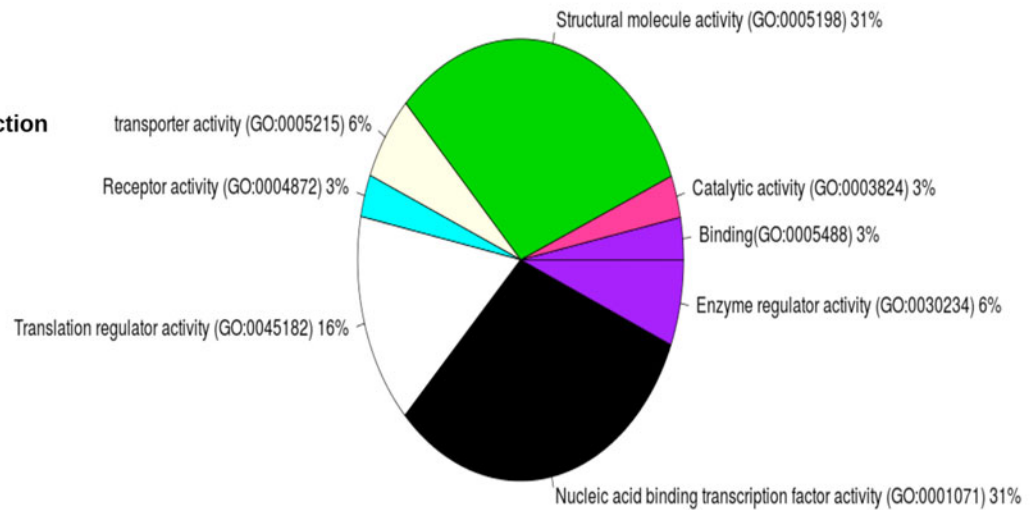


B
Pathways Enrichment

Pathway enrichment using Enrichr (<http://www.amppharm.mssm.edu/Enrichr>), based on genes in the sub-network in A).

Term	P-value	Z-score	Genes
Protein processing in endoplasmic reticulum	0.0005	-1.81	<i>WFS1;CUL1;SYVN1;ATF6</i>
Ubiquitin mediated proteolysis	0.003	-1.62	<i>SMURF1;CUL1;SYVN1</i>

C
Molecular Function



SUPPLEMENTARY FIG. S2. Subnetwork of interacting genes with mutations potentially associated with hearing loss based on the merged data from family members. (**panel A**) Subnetwork extracted from the protein–protein interaction database, (**panel B**) *Top* two associated biological pathways to the identified subnetwork, and (**panel C**) molecular functions of the related subnetwork.