AJHG, Volume *86*

Supplemental Data

Loss-of-Function Mutations in the *PRPS1* Gene

Cause a Type of Nonsyndromic X-linked

Sensorineural Deafness, DFN2

Xuezhong Liu, Dongyi Han, Jianzhong Li, Bing Han, Xiaomei Ouyang, Jing Cheng, Xu Li, Zhanguo Jin, Youqin Wang, Maria Bitner-Glindzicz, Xiangyin Kong, Heng Xu, Albena Kantardzhieva, Roland D Eavey , Christine E Seidman, Jonathan G Seidman, Li L. Du, Zheng-Yi Chen, Pu Dai, Maikun Teng, Denise Yan, and Huijun Yuan

Table S1. LOD Scores Reflecting Linkage between Chromosome X Markers and Locus of Inherited Hearing Loss in Family GZ-Z052

Marker	Two-point LOD score at θ =						
	0.00	**0.01**	**0.05**	**0.1**	**0.2**	**0.3**	**0.4**
DXS8020	-2.42	-0.40	0.29	0.55	0.68	0.58	0.35
DXS8096	**4.25**	**4.19**	**3.93**	**3.58**	**2.81**	**1.96**	**1.02**
DXS1106	2.45	2.41	2.24	2.02	1.56	1.07	0.55
DXS1210	1.50	1.47	1.38	1.25	0.96	0.64	0.31
DXS1059	1.37	1.34	1.24	1.11	0.84	0.55	0.27
DXS8088	0.46	0.45	0.41	0.35	0.23	0.12	0.03
DXS8055	-5.29	-1.25	-0.44	-0.07	0.20	0.24	0.16

Table S2. Expression Profiling of PRPS1 Identified by Quantitative Real-Time RT-PCR

Individual	**Sex**	**Mutation Carrier**	**Δ C (t) = C(t)PRPS1-C(t)β-ACTIN**
Affected males:			
IV-1	M	Y	6.53
IV-34	M	Y	6.28
IV-36	M	Y	6.06
IV-9	M	Y	6.45
Average			**6.33**
Female carriers:			
III-27	F	Y	6.54
III-29	F	Y	6.32
Average			**6.43**
Unaffected male and normal controls:			
IV-5	M	N	5.71
IV-7	M	N	6.61
C-1	M	N	6.57
C-2	M	N	6.38
Average			**6.32**