

**S1 Table. Results at previously-identified GWAS sub-threshold SNPs in GERA.** Previously-identified results were largely based on hearing threshold principal components, which are not directly comparable to the results here.

Study	SNP	Chr	Pos	Allele	non-Hispanic white		Latino		East Asian		African American		Meta-analysis		
					HR	P	HR	P	HR	P	HR	P	HR	P	I <sup>2</sup>
Giroto et al., PC2	rs6669265	1	27361219	A/G	1.016	0.47	0.923	0.33	1.259	0.23	1.099	0.62	1.013	0.53	0.0
Giroto et al., PC3	rs621215	1	99619424	A/G	0.994	0.76	0.989	0.88	0.908	0.27	1.080	0.54	0.991	0.64	0.0
Giroto et al., PC3	rs712932	1	99651500	C/G	0.982	0.4	0.913	0.22	0.898	0.22	1.266	0.06	0.979	0.28	50.7
Giroto et al., PC3	rs112931	1	99654168	T/G	0.982	0.4	0.913	0.22	0.898	0.22	1.266	0.06	0.979	0.28	50.7
Giroto et al., PC3	rs11485142	1	218833214	C/A	0.992	0.71	0.922	0.36	0.789	0.54	0.791	0.17	0.983	0.43	0.0
Giroto et al., PC1	rs6742663	2	20395160	G/A	1.021	0.35	1.073	0.34	1.030	0.75	1.185	0.18	1.029	0.16	0.0
Giroto et al., PC1	rs6544887	2	46577212	C/T	0.993	0.7	1.023	0.75	0.860	0.15	0.962	0.78	0.990	0.57	0.0
Giroto et al., PC1	rs6544889	2	46577299	A/G	0.991	0.65	1.026	0.73	0.889	0.27	0.915	0.56	0.989	0.54	0.0
Giroto et al., PC2	rs17864603	2	51989400	C/T	1.008	0.94	1.101	0.82	0.000	0.45	1.902	0.6	1.018	0.86	0.0
Giroto et al., PC3	rs6756828	2	174919189	T/C	1.012	0.59	0.968	0.67	0.921	0.32	0.994	0.97	1.003	0.89	0.0
Friedman et al., case/control	rs11928865	3	7155702	A/T	1.007	0.76	0.954	0.61	0.930	0.48	1.141	0.33	1.004	0.85	0.0
Friedman et al., case/control	rs779701	3	7518772	G/A	0.994	0.79	0.938	0.42	0.880	0.12	1.073	0.61	0.985	0.45	0.0
Friedman et al., case/control	rs779706	3	7524042	C/G	0.995	0.81	0.977	0.76	0.874	0.099	1.201	0.16	0.990	0.63	35.1
Giroto et al., PC2	rs2276957	4	122261475	C/T	0.943	0.042	0.955	0.57	1.042	0.59	0.832	0.43	0.953	0.059	0.0
Fransen et al., PC2	rs1494630	5	63394170	A/G	0.962	0.35	1.207	0.3	1.145	0.83	1.102	0.58	0.980	0.61	0.0
Van Laer et al., PC3	rs457717	5	75920972	G/A	0.997	0.87	1.117	0.12	0.948	0.49	1.165	0.25	1.005	0.8	28.1
Fransen et al., PC3	rs116439186	6	29943067	A/G	1.024	0.26	1.186	0.025	1.273	0.0038	1.086	0.59	1.048	0.018	67.7
Fransen et al., PC1	rs528808	6	100104289	G/A	0.959	0.078	0.852	0.092	0.697	0.086	0.989	0.97	0.949	0.022	18.2
Fransen et al., PC1	rs6910580	6	110243292	C/T	0.981	0.34	1.110	0.15	1.127	0.15	0.914	0.5	0.995	0.77	45.4
Fransen et al., PC1	rs78236468	6	121088770	G/T	1.009	0.84	0.847	0.19	0.990	0.94	0.474	0.25	0.987	0.74	0.4
Van Laer et al., PC2	rs10499138	6	128492182	T/A	1.524	0.051	2.819	0.0014	1.184	0.33	0.646	0.18	1.321	0.017	72.9
Fransen et al., PC1	rs7786410	7	55922323	G/A	0.974	0.44	1.069	0.46	1.007	0.93	0.942	0.67	0.986	0.63	0.0
Fransen et al., PC3	rs62459614	7	70587145	C/T	0.982	0.8	1.186	0.094	0.969	0.69	1.016	0.96	1.018	0.7	0.0
Fransen et al., PC3	rs62459619	7	70598935	T/C	0.993	0.92	1.181	0.099	0.951	0.54	0.899	0.76	1.015	0.76	3.8
Giroto et al., PC1	rs2687481	7	125869122	T/G	1.023	0.36	0.995	0.95	0.966	0.7	0.996	0.97	1.017	0.46	0.0
Fransen et al., PC3	rs17170356	7	146887868	G/A	1.103	0.037	0.787	0.23	0.950	0.64	0.866	0.7	1.060	0.17	29.1
Fransen et al., PC1	rs7816613	8	102729475	C/T	0.982	0.55	1.125	0.3	0.965	0.8	1.078	0.62	0.993	0.8	0.0
Fransen et al., PC1	rs1460237	8	105841855	A/T	0.978	0.75	0.883	0.61	0.905	0.92	3.519	0.37	0.974	0.68	0.0
Giroto et al., PC3	rs305256	8	137568252	C/T	1.002	0.94	1.001	0.99	1.070	0.47	1.040	0.81	1.006	0.78	0.0
Giroto et al., PC2	rs17292288	9	129058500	T/C	1.001	0.98	1.070	0.42	0.840	0.1	0.699	0.05	0.993	0.75	57.4
Fransen et al., PC1	rs9329289	10	2542389	G/A	0.996	0.82	1.025	0.73	1.258	0.046	1.127	0.36	1.007	0.72	38.7
Giroto et al., PC1	rs6585804	10	123980108	A/G	0.965	0.073	1.089	0.25	0.852	0.14	1.049	0.71	0.971	0.11	30.8
Giroto et al., PC1	rs6585747	11	79700145	G/A	0.992	0.7	0.859	0.037	1.044	0.6	1.062	0.64	0.987	0.48	33.3
Giroto et al., PC3	rs7123014	11	85922442	A/G	0.993	0.71	0.934	0.34	1.179	0.032	1.023	0.87	0.999	0.96	46.9
Giroto et al., PC1	rs3765620	11	102595492	A/G	1.020	0.3	1.008	0.91	0.987	0.87	1.113	0.46	1.019	0.29	0.0
Giroto et al., PC2	rs11219981	11	125109627	A/G	0.968	0.16	0.980	0.84	0.949	0.57	0.911	0.72	0.967	0.13	0.0
Fransen et al., PC2	rs10876222	12	52362479	A/T	0.967	0.13	1.001	0.99	0.891	0.17	1.122	0.41	0.968	0.11	0.0
Fransen et al., PC2	rs2252518	12	52381026	A/C	0.964	0.097	0.995	0.94	0.902	0.22	1.134	0.33	0.966	0.094	0.0
Giroto et al., PC1	rs10848114	12	130979355	T/C	0.999	0.97	1.055	0.45	1.088	0.34	0.937	0.61	1.006	0.76	0.0
Giroto et al., PC2	rs11842701	13	60431689	A/T	1.105	0.22	1.395	0.33	0.895	0.48	0.365	0.38	1.065	0.37	0.0
Giroto et al., PC2	rs3783041	13	60588891	A/T	1.096	0.26	1.373	0.35	0.870	0.36	0.803	0.84	1.053	0.46	0.0
Giroto et al., PC1	rs17687720	13	102611999	C/A	1.057	0.084	0.968	0.72	0.814	0.13	0.923	0.73	1.033	0.27	29.8
Giroto et al., PC3	rs10130121	14	36624751	T/G	1.055	0.11	0.841	0.24	2.355	0.049	0.887	0.54	1.043	0.19	53.4
Giroto et al., PC3	rs17461837	14	36644330	T/C	1.057	0.1	0.823	0.19	2.424	0.037	0.903	0.6	1.045	0.18	57.9
Giroto et al., PC1	rs978091	14	43344558	G/A	1.039	0.17	1.009	0.91	1.074	0.42	1.168	0.22	1.044	0.084	0.0
Giroto et al., PC2	rs1952587	14	57161217	A/T	1.020	0.35	1.092	0.23	0.963	0.64	0.673	0.015	1.015	0.44	62.0
Giroto et al., PC2	rs928108	14	57170474	G/A	1.038	0.079	1.022	0.75	0.859	0.052	0.753	0.077	1.020	0.32	67.0
Giroto et al., PC1	rs7182802	15	27347206	T/C	1.010	0.67	1.043	0.63	1.036	0.65	1.167	0.27	1.018	0.42	0.0
Giroto et al., PC1	rs17705835	15	93662283	T/C	1.028	0.47	0.894	0.41	1.203	0.055	1.905	0.05	1.047	0.19	57.0
Giroto et al., PC2	rs7212433	17	30083687	C/T	1.002	0.9	1.055	0.47	0.950	0.62	0.998	0.99	1.004	0.83	0.0
Giroto et al., PC1	rs1036987	17	74892171	T/A	1.016	0.69	0.859	0.14	1.108	0.43	1.050	0.73	1.006	0.87	0.4
Fransen et al., PC3	rs12955474	18	57152038	C/T	0.982	0.66	0.999	0.99	1.035	0.66	0.799	0.45	0.991	0.8	0.0
Giroto et al., PC3	rs594821	18	76745589	T/C	1.013	0.74	0.956	0.76	1.400	0.015	0.755	0.14	1.021	0.56	61.8
Fransen et al., PC1	rs55655041	19	30995200	C/T	1.011	0.69	0.941	0.6	0.929	0.81	1.190	0.37	1.009	0.71	0.0
Giroto et al., PC1	rs11671149	19	54170468	C/T	0.917	0.34	1.652	0.058	4.248	0.039	1.525	0.6	1.002	0.98	66.9
Fransen et al., PC2	rs16989760	22	31951808	G/A	0.994	0.88	0.923	0.7	0.807	0.55	0.739	0.29	0.982	0.66	0.0
Fransen et al., PC2	rs62240516	22	32135582	C/T	0.994	0.92	1.238	0.36	0.895	0.83	0.903	0.87	1.004	0.95	0.0
Fransen et al., PC2	rs62238885	22	32138138	A/G	0.994	0.91	1.248	0.34	0.894	0.83	0.805	0.73	1.003	0.95	0.0