

## SUPPLEMENTAL MATERIAL

**Table S1.** Subgroup Association Analyses of 3 known AF loci and atrial fibrillation in non-hypertension (n=558, n=1049), non-diabetes (n=929, n=1054), non-CHF (n=998, n=1067) and non-Stroke, -CAD and -CHF (n=796, n=1067). N=Cases, n=controls.

Nearest gene	SNP	Chr	Position	non-hypertension		non-diabetes		non-CHF		Non-stroke, non-CAD and non-CHF	
				OR (95%CI)	P value	OR (95%CI)	P value	OR (95%CI)	P value	OR (95%CI)	P value
PITX2	rs6843082	4	111937516	2.92 (2.25-3.79)	1.00 x10 <sup>-15</sup>	3.03 (2.34-3.92)	2.92 x 10 <sup>-17</sup>	3.19 (2.48-4.11)	2.02 x 10 <sup>-19</sup>	3.38 (2.55-4.46)	1.32 x 10 <sup>-17</sup>
PITX2	rs2200733	4	111929618	2.22 (1.81-2.73)	2.37 x 10 <sup>-14</sup>	2.25 (1.84-2.75)	4.02 x 10 <sup>-15</sup>	2.26 (1.86-2.75)	2.31 x10 <sup>-16</sup>	2.18 (1.77-2.69)	2.45 x 10 <sup>-13</sup>
ZFH3	rs2106261	16	71609121	2.18 (1.78-2.66)	2.46 x 10 <sup>-14</sup>	2.17 (1.79-2.64)	8.70 x 10 <sup>-15</sup>	2.16 (1.79-2.60)	1.07 x 10 <sup>-15</sup>	2.11 (1.73-2.58)	1.83 x10 <sup>-13</sup>
KCNN3	rs13376333	1	153080977	1.64 (0.91-2.96)	0.10	1.70 (0.95-3.04)	0.075	1.66 (0.95-2.90)	0.078	1.76 (0.95-3.27)	0.073

Abbreviations: Chr, chromosome; OR, odds ratio; CI, confidence interval; CHF, congestive heart failure; CAD, coronary artery disease

\*adjusted for age, sex, body mass index, hypertension, diabetes mellitus, and congestive heart failure, as appropriately