

**Supplementary Table 1.** Definition of thyroid hormones quartiles by gender

Thyroid hormones	Quartiles			
	Quartile 1	Quartile 2	Quartile 3	Quartile 4
<b>Males</b>				
TSH (mU/L)	0.31-1.15	1.16-1.58	1.59-2.14	2.15-4.67
FT3 (pmol/L)	4.00-4.92	4.93-5.25	5.26-5.60	5.61-7.99
FT4 (pmol/L)	9.00-10.46	10.47-11.31	11.32-12.27	12.28-27.11
FT3/FT4	0.2187-0.4199	0.4200-0.4640	0.4641-0.5096	0.5097-0.8578
<b>Females</b>				
TSH (mU/L)	0.34-1.31	1.32-1.83	1.84-2.44	2.45-4.69
FT3 (pmol/L)	4.00-4.63	4.64-4.98	4.99-5.33	5.34-7.44
FT4 (pmol/L)	9.00-10.39	10.40-11.12	11.13-11.98	12.99-18.98
FT3/FT4	0.2343-0.4066	0.4067-0.4479	0.4480-0.4899	0.4900-0.7265