

Supplementary Table SXI Association of SNPs with continuous log-transformed AMH levels in the replication cohorts.

Gene	Variant	Model	Variant, interaction term	Continuous log-transformed AMH-levels (linear model)				
				PanCareLIFE		SJLIFE		
				Beta (SE) logAMH	P-value	Beta (SE) logAMH	P-value	
BRSKI	rs1172822	1	rs1172822	0.002 (0.05)	0.937	-0.19 (0.09)	0.03	
			CED: 0	0 (ref)		0 (ref)	0.11	
			- >0-4000	-0.050 (0.092)	0.032	0.17 (0.29)	0.56	
			- ≥4000-8000	-0.226 (0.104)	0.000	-0.26 (0.17)	0.13	
			- ≥8000	-0.870 (0.083)	0.000	-0.31 (0.16)	0.05	
			Hormones	NA		-0.10 (0.14)	0.48	
			2	rs1172822	0.025 (0.083)	0.762	-0.18 (0.12)	0.13
				CED: 0	0 (ref)		0 (ref)	0.28
		- >0-4000		0.024 (0.129)	0.850	0.29 (0.43)	0.50	
		- ≥4000-8000		-0.198 (0.146)	0.177	-0.39 (0.24)	0.11	
		- ≥8000		-0.895 (0.125)	0.000	-0.20 (0.23)	0.39	
		SNP*CED: 0		0 (ref)		0 (ref)	0.63	
		- >0-4000		-0.111 (0.134)	0.408	-0.14 (0.36)	0.71	
		- ≥4000-8000		-0.043 (0.159)	0.785	0.20 (0.25)	0.42	
		- ≥8000	0.026 (0.124)	0.833	-0.17 (0.23)	0.46		
		Hormones	NA		-0.09 (0.14)	0.52		
BRSKI	rs11668344	1	rs11668344	0.003 (0.05)	0.953	-0.19 (0.09)	0.03	
			CED: 0	0 (ref)		0 (ref)	0.12	
			- >0-4000	-0.050 (0.092)	0.031	0.17 (0.29)	0.56	
			- ≥4000-8000	-0.226 (0.104)	0.000	-0.25 (0.17)	0.14	
			- ≥8000	-0.873 (0.085)	0.000	-0.31 (0.16)	0.05	
			Hormones	NA		-0.10 (0.14)	0.47	
			2	rs11668344	0.031 (0.084)	0.708	-0.16 (0.12)	0.18
				CED: 0	0 (ref)		0 (ref)	0.34
		- >0-4000		0.022 (0.125)	0.860	0.27 (0.41)	0.51	
		- ≥4000-8000		-0.192 (0.144)	0.185	-0.37 (0.24)	0.12	
		- ≥8000		-0.890 (0.123)	0.000	-0.15 (0.22)	0.50	
		SNP*CED: 0		0 (ref)		0 (ref)	0.55	
		- >0-4000		-0.114 (0.133)	0.393	-0.12 (0.35)	0.73	
		- ≥4000-8000		-0.054 (0.159)	0.732	0.18 (0.25)	0.47	
		- ≥8000	0.021 (0.127)	0.870	-0.23 (0.23)	0.31		
		Hormones	NA		-0.09 (0.14)	0.50		
FANCI	rs1054875	1	rs1054875	0.001 (0.049)	0.983	0.15 (0.09)	0.10	
			CED: 0	0 (ref)		0 (ref)	0.14	
			- >0-4000	-0.050 (0.092)	0.585	0.15 (0.29)	0.61	
			- ≥4000-8000	-0.226 (0.104)	0.031	-0.25 (0.17)	0.13	
			- ≥8000	-0.872 (0.085)	0.000	-0.30 (0.16)	0.06	
			Hormones	NA		-0.13 (0.14)	0.34	
		2	rs1054875	0.057 (0.084)	0.495	0.13 (0.13)	0.32	
			CED: 0	0 (ref)		0 (ref)	0.53	

(continued)

Supplementary Table SXI Continued

Gene	Variant	Model	Variant, interaction term	Continuous log-transformed AMH-levels (linear model)			
				PanCareLIFE		SJLIFE	
				Beta (SE) logAMH	P-value	Beta (SE) logAMH	P-value
			- >0-4000	-0.012 (0.146)	0.935	-0.02 (0.45)	0.97
			- ≥4000-8000	-0.282 (0.173)	0.104	-0.28 (0.25)	0.28
			- ≥8000	-0.735 (0.129)	0.000	-0.30 (0.24)	0.21
			SNP*CED: 0	0 (ref)		0 (ref)	0.97
			- >0-4000	-0.048 (0.136)	0.724	0.21 (0.44)	0.63
			- ≥4000-8000	0.053 (0.157)	0.736	0.03 (0.23)	0.90
			- ≥8000	-0.169 (0.121)	0.163	0.01 (0.22)	0.97
			Hormones	NA		-0.13 (0.14)	0.36

AMH, anti-Müllerian hormone in µg/L; CED, cyclophosphamide equivalent dose in mg/m²; PanCareLIFE, PanCareLIFE cohort; SNP, single-nucleotide polymorphism; St. Jude Lifetime, St. Jude Lifetime Cohort.

Model 1: adjusted for principal components, hormone usage, CED score in four categories, and age at time of study (linear model only). Model 2: additional to Model 1 interaction term of variant*CED category.