

**Supplementary Table SVIII Association of single-nucleotide polymorphisms with continuous log-transformed AMH-levels in the discovery VEVO cohort (n = 285).**

Gene	Variant	Position	Chrom	Ref.	Alt.	MAF	Model	Variant, interaction term	n alleles 0/1/2	Beta (SE) logAMH	P-value
<b>BRSKI</b>	<b>rs1172822</b>	55819845	19	C	T	0.35	1	rs1172822	114/135/36	0.09 (0.04)	0.040
								CED 0		0 (ref)	
								- >0-4000		-0.09 (0.08)	0.240
								- ≥4000-8000		-0.32 (0.09)	0.000
								- ≥8000		-0.28 (0.09)	0.002
								Hormones		-0.28 (0.07)	0.000
								2	rs1172822		0.14 (0.08)
							CED 0		0 (ref)		
							- >0-4000		-0.05 (0.11)	0.645	
							- ≥4000-8000		-0.29 (0.13)	0.029	
							- ≥8000		-0.18 (0.13)	0.160	
							SNP*CED: 0		0 (ref)		
							- >0-4000		-0.05 (0.11)	0.658	
							- ≥4000-8000		-0.03 (0.13)	0.798	
- ≥8000		-0.16 (0.13)	0.230								
Hormones		-0.28 (0.07)	0.000								
<b>BRSKI</b>	<b>rs11668344</b>	55833664	19	A	G	0.34	1	rs11668344	119/131/35	0.10 (0.04)	0.029
								CED 0		0 (ref)	
								- >0-4000		-0.09 (0.8)	0.226
								- ≥4000-8000		-0.32 (0.09)	0.000
								- ≥8000		-0.29 (0.09)	0.002
								Hormones		-0.28 (0.07)	0.000
								2	rs11668344		0.14 (0.07)
							CED 0		0 (ref)		
							- >0-4000		-0.07 (0.11)	0.525	
							- ≥4000-8000		-0.29 (0.13)	0.026	
							- ≥8000		-0.19 (0.13)	0.134	
							SNP*CED: 0		0 (ref)		
							- >0-4000		-0.03 (0.11)	0.777	
							- ≥4000-8000		-0.04 (0.13)	0.732	
- ≥8000		-0.15 (0.13)	0.248								
Hormones		-0.28 (0.07)	0.000								
<b>FANCI</b>	<b>rs1054875</b>	89879126	15	A	T	0.36	1	rs1054875	121/130/34	-0.06 (0.05)	0.197
								CED 0		0 (ref)	
								- >0-4000		-0.08 (0.08)	0.291
								- ≥4000-8000		-0.30 (0.09)	0.001
								- ≥8000		-0.29 (0.09)	0.002
							Hormones		-0.27 (0.07)	0.000	
							2	rs1054875		0.01 (0.08)	0.950
							CED 0		0 (ref)		
							- >0-4000		-0.04 (0.11)	0.749	

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Supplementary Table SVIII Continued

Gene	Variant	Position	Chrom	Ref.	Alt.	MAF	Model	Variant, interaction term	n alleles 0/1/2	Beta (SE) logAMH	P-value
								- ≥4000-8000		-0.25 (0.12)	0.048
								- ≥8000		-0.19 (0.13)	0.126
								SNP*CED: 0		0 (ref)	
								- >0-4000		-0.07 (0.12)	0.560
								- ≥4000-8000		-0.08 (0.13)	0.517
								- ≥8000		-0.15 (0.13)	0.264
								Hormones		-0.27 (0.07)	0.000
<b>MCM8</b>	<b>rs16991615</b>	5948227	20	G	A	0.08	1	rs16991615	242/41/2	-0.07 (0.08)	0.390
								CED 0		0 (ref)	
								- >0-4000		-0.09 (0.08)	0.241
								- ≥4000-8000		-0.31 (0.09)	0.000
								- ≥8000		-0.29 (0.09)	0.002
								Hormones		-0.27 (0.07)	0.000
							2	rs16991615		0.06 (0.13)	0.627
								CED 0		0 (ref)	
								- >0-4000		-0.07 (0.08)	0.425
								- ≥4000-8000		-0.27 (0.09)	0.004
								- ≥8000		-0.25 (0.10)	0.013
								SNP*CED: 0		0 (ref)	
								- >0-4000		-0.12 (0.20)	0.554
								- ≥4000-8000		-0.24 (0.23)	0.300
								- ≥8000		-0.27 (0.22)	0.205
								Hormones		-0.28 (0.07)	0.000
<b>UIMCI</b>	<b>rs365132</b>	176378574	5	G	T	0.5	1	rs365132	79/140/66	0.02 (0.04)	0.730
								CED 0		0 (ref)	
								- >0-4000		-0.09 (0.08)	0.240
								- ≥4000-8000		-0.31 (0.09)	0.000
								- ≥8000		0.29 (0.09)	0.001
								Hormones		-0.27 (0.07)	0.000
							2	rs365132		0.01 (0.07)	0.907
								CED 0		0 (ref)	
								- >0-4000		0.034 (0.14)	0.803
								- ≥4000-8000		-0.39 (0.13)	0.004
								- ≥8000		-0.39 (0.15)	0.010
								SNP*CED: 0		0 (ref)	
								- >0-4000		-0.11 (0.11)	0.301
								- ≥4000-8000		0.10 (0.11)	0.401
								- ≥8000		0.12 (0.14)	0.393
								Hormones		-0.26 (0.07)	0.000
<b>RAD51</b>	<b>rs9796</b>	41271447	15	A	T	0.42	1	rs9796	99/126/60	-0.02 (0.04)	0.690
								CED 0		0 (ref)	
								- >0-4000		-0.09 (0.08)	0.251
								- ≥4000-8000		-0.31 (0.09)	0.000
								- ≥8000		-0.29 (0.09)	0.002
								Hormones		-0.27 (0.07)	0.000
							2	rs9796		-0.01 (0.72)	0.857
								CED 0		0 (ref)	
								- >0-4000		-0.14 (0.12)	0.246

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**Supplementary Table SVIII Continued**

Gene	Variant	Position	Chrom	Ref.	Alt.	MAF	Model	Variant, interaction term	n alleles 0/1/2	Beta (SE) logAMH	P-value
								- ≥4000-8000		-0.37 (0.13)	0.005
								- ≥8000		-0.11 (0.14)	0.447
								SNP*CED: 0		0 (ref)	
								- >0-4000		0.05 (0.10)	0.606
								- ≥4000-8000		0.08 (0.12)	0.519
								- ≥8000		-0.20 (0.12)	0.109
								Hormones		-0.26 (0.07)	0.000

Alt, alternative allele; AMH, anti-Müllerian hormone in µg/L; CED, cyclophosphamide equivalent dose in mg/m<sup>2</sup>; Chrom., chromosome; MAF, minor allele frequency; Ref, Reference allele; VEVO, DCOG-LATER VEVO cohort.

Position based on position build 37 on <https://www.ncbi.nlm.nih.gov/snp/>. Alt is coded. Model 1: adjusted for principal components, hormone usage, CED score in four categories, and age at time of study. Model 2: additional to Model 1 interaction term of variant\*CED category.