

Supplementary Table SII Differential expression analysis in eutopic endometrium including 77 endometriosis cases and 71 controls.

GWAS analysis	Gene	Probe_ID*	Adj-P-Val	P-value	Beta	logFC
Overall GWAS Loci	<i>ID4</i>					
	Overall	229386_at	8.53×10^{-3}	1.41×10^{-3}	-1.458	-0.43
	Stage B	229386_at	0.011	8.00×10^{-4}	-0.897	0.54
	Stage A	229386_at	0.16	0.077	-4.973	0.29
	<i>NFE2L3</i>					
	Overall	204702_s_at	0.031	7.79×10^{-3}	-2.991	0.34
	Stage B	204702_s_at	0.24	0.091	-5.029	-0.27
	Stage A	204702_s_at	0.031	0.011	-3.289	-0.45
	<i>WNT4</i>					
	Overall	1556689_a_at	0.15	0.064	-4.795	-0.32
	Stage B	1556689_a_at	1	0.96	-6.440	-8.04×10^{-3}
	Stage A	1556689_a_at	2.30×10^{-3}	4.09×10^{-4}	-0.322	0.89
	<i>LAMC3</i>					
	Overall	219407_s_at	0.33	0.19	-5.651	-0.32
	Stage B	219407_s_at	0.93	0.84	-6.420	-0.057
	Stage A	219407_s_at	0.018	5.43×10^{-3}	-2.684	0.91
	<i>CAPN14</i>					
	Overall	1557321_a_at	0.51	0.36	-6.077	0.083
	Stage B	1557321_a_at	0.51	0.31	-5.926	-0.11
	Stage A					
	<i>DEFA1</i>					
Overall	205033_s_at	0.54	0.40	-6.131	0.16	
Stage B	205033_s_at	0.59	0.40	-6.083	-0.18	
Stage A						
Stage A GWAS Loci	<i>MAP3K4</i>					
	Overall	216199_s_at	7.12×10^{-3}	1.11×10^{-3}	-1.242	0.60
	Stage B	216199_s_at	0.26	0.10	-5.122	-0.31
	Stage A	216199_s_at	3.76×10^{-4}	2.44×10^{-5}	2.310	-1.03
	<i>CDC73</i>					
	Overall	235196_at	3.97×10^{-4}	1.78×10^{-5}	2.591	0.67
	Stage B	235196_at	0.021	2.15×10^{-3}	-1.797	-0.53
	Stage A	235196_at	2.58×10^{-4}	1.21×10^{-5}	2.971	-0.88
	<i>CSMD1</i>					
	Overall	1553405_a_at	0.027	6.50×10^{-3}	-2.831	-0.15
	Stage B	1553405_a_at	0.061	0.011	-3.241	0.15
	Stage A	1553405_a_at	0.031	0.011	-3.267	0.15
	<i>EMX2OS (Anti-sense)</i>					
	Overall	230963_at	0.27	0.15	-5.439	-0.28
	Stage B	230963_at	0.74	0.57	-6.280	-0.12
	Stage A	230963_at	1.37×10^{-3}	1.96×10^{-4}	0.359	0.92
	<i>ALCAM</i>					
	Overall	201951_at	0.069	0.023	-3.922	0.56
	Stage B	201951_at	0.70	0.52	-6.234	-0.18
	Stage A	201951_at	1.36×10^{-3}	1.93×10^{-4}	0.372	-1.18

Continued

Supplementary Table SII *Continued*

GWAS analysis	Gene	Probe_ID*	Adj-P-Val	P-value	Beta	logFC
Stage B GWAS Loci	<i>NFE2L3</i>					
	See above					
	<i>NAALADL2</i>					
	Overall	1557998_at	0.64	0.51	-6.272	-0.021
	Stage B	1557998_at	0.75	0.59	-6.294	0.018
	Stage A					
	<i>CDKN2BAS1</i>					
	Overall	1557998_at	0.64	0.51	-6.272	-0.021
	Stage B	1557998_at	0.75	0.59	-6.292	0.018
	Stage A					
	<i>FNI</i>					
	Overall	214701_s_at	0.057	0.017	-3.694	-0.32
	Stage B	214701_s_at	0.015	1.26×10^{-3}	-1.312	0.54
	Stage A	214701_s_at	0.36	0.22	-5.779	-0.060
	<i>NR2C1</i>					
	Overall	204791_at	0.021	4.65×10^{-3}	-2.532	0.62
	Stage B	204791_at	0.33	0.15	-5.414	-0.33
	Stage A	204791_at	1.67×10^{-3}	2.62×10^{-4}	0.091	-1.06
	<i>C14orf132</i>					
	Overall	231859_at	3.80×10^{-5}	3.36×10^{-7}	6.337	0.82
	Stage B	231859_at	6.87×10^{-5}	1.79×10^{-7}	6.973	-0.98
	Stage A	231859_at	0.021	6.73×10^{-3}	-2.875	-0.53
	<i>FOXP2</i>					
	Overall	1555352_at	0.16	0.071	-4.869	-0.011
	Stage B	1555352_at	0.33	0.15	-5.407	6.79×10^{-3}
	Stage A	1555352_at	0.19	0.098	-5.163	9.18×10^{-3}
	<i>WNT4</i>					
See above						
<i>ID4</i>						
See above						
<i>CDH20</i>						
Overall	210913_at	0.46	0.31	-5.972	-1.65×10^{-3}	
Stage B	210913_at	0.37	0.18	-5.543	2.64×10^{-3}	
Stage A						
<i>LAMC3</i>						
See above						

Of the 77 endometriosis cases, 48 are Stage B cases and 27 are Stage A cases. The expression analysis results including all endometriosis cases, only Stage B and only Stage A cases are presented (Tamaresis et al., 2014). Adj-P-Val, Multiple-testing adjusted P-value (false discovery rate (FDR) corrected); P-value, nominal P-value; Beta, Beta-value, which is log-odds that the gene is differentially expressed, logFC: Log2-fold change in expression between cases and controls.

*Multiple probes map to some of the genes. Of these, the probe with lowest P-value is reported.