

Supplementary Table 1. Promoter DNA methylation of germline-specific genes in primary fibroblasts and sperm. Promoter DNA methylation levels are given as normalized log₂ ratios after fibroblast and sperm arrays have been scaled to have the same median-absolute-deviation (see Material and Methods). Most HCP and ICP promoters are hypermethylated in fibroblasts and hypomethylated in sperm, whereas LCP promoters show little difference between both states. NA indicates that the promoter was absent on the array or did not pass the promoter quality filtering.

Gene name	Promoter class	5mC (log ₂) in fibroblasts	5mC (log ₂) in sperm
<i>ACRBP</i>	HCP	0.707	-0.032
<i>ADAM30</i>	HCP	0.879	-0.457
<i>ALF</i>	HCP	0.735	-0.306
<i>AURKC</i>	HCP	0.972	-0.148
<i>BOLL</i>	HCP	0.690	0.143
<i>BRDT</i>	HCP	1.035	-0.438
<i>C1orf14</i>	HCP	0.594	-0.121
<i>CABYR</i>	HCP	0.113	-0.089
<i>CATSPER2</i>	HCP	0.637	0.209
<i>CKLFSF2</i>	HCP	0.758	-0.033
<i>DAZL</i>	HCP	0.566	0.027
<i>DKKL1</i>	HCP	0.112	0.535
<i>DMRT1</i>	HCP	-0.195	-0.151
<i>FTMT</i>	HCP	0.648	0.006
<i>GAPDS</i>	HCP	0.367	0.287
<i>HNRNPG-T</i>	HCP	0.618	-0.022
<i>HRLP5</i>	HCP	0.138	0.023
<i>HSPB9</i>	HCP	0.626	0.105
<i>INSL6</i>	HCP	0.897	-0.757
<i>LPIN1</i>	HCP	0.651	0.078
<i>MORC</i>	HCP	0.557	-0.144
<i>MOV10L1</i>	HCP	0.808	0.046
<i>NYD-SP20</i>	HCP	0.584	0.094
<i>ODF2</i>	HCP	0.132	0.186
<i>PAPOLB</i>	HCP	0.654	-0.270
<i>PHF7</i>	HCP	-0.232	0.311
<i>PIAS2</i>	HCP	-0.003	-0.361
<i>POTE14</i>	HCP	1.559	0.303
<i>POTE15</i>	HCP	1.415	-0.327
<i>REC8L1</i>	HCP	0.531	0.025
<i>RPL10L</i>	HCP	0.804	-0.202
<i>SOX30</i>	HCP	1.042	-0.493
<i>SPA17</i>	HCP	-0.071	-0.026
<i>SPACA1</i>	HCP	0.340	0.092
<i>SPAG6</i>	HCP	-0.119	-0.158
<i>SPATA4</i>	HCP	-0.101	-0.309
<i>SPO11</i>	HCP	0.910	-0.489
<i>SSTK</i>	HCP	0.522	-0.054
<i>STK31</i>	HCP	0.733	-0.433
<i>SYCP1</i>	HCP	0.326	-0.039
<i>SYCP2</i>	HCP	0.789	-0.315
<i>TCP11</i>	HCP	0.428	0.056
<i>TPTE</i>	HCP	0.596	0.052
<i>TPX1</i>	HCP	0.218	-0.669
<i>TRPM4</i>	HCP	0.676	0.193
<i>TSP50</i>	HCP	0.355	0.088
<i>TULP2</i>	HCP	0.926	-0.060
<i>ZBPB</i>	HCP	0.257	-0.249
<i>ZBPB2</i>	HCP	0.479	-0.144

ACTL7B	ICP	0.445	0.005
ADAM18	ICP	0.412	-0.232
ADAM2	ICP	0.948	-0.242
ANKRD7	ICP	0.491	0.008
CTCF	ICP	0.347	0.574
DDX4	ICP	0.717	-0.683
H1t	ICP	1.133	-0.389
LDHC	ICP	0.795	-0.458
NOHMA	ICP	0.498	-0.119
PDHA2	ICP	0.622	-0.671
POTE8	ICP	0.727	0.039
PPP3R2	ICP	0.788	-0.521
PRAME	ICP	0.757	-0.213
PRM2	ICP	0.535	0.523
PRSS21	ICP	0.341	0.488
RNF17	ICP	0.825	-0.435
STK22B	ICP	0.921	0.780
TCEB3B	ICP	0.994	-0.296
TDRD1	ICP	0.982	0.048
TENR	ICP	0.759	-0.352
TEX12	ICP	0.906	-0.183
TSH2B	ICP	1.545	-0.885
TUBA2	ICP	0.799	-0.216
AKAP3	LCP	-0.286	-0.174
ASB17	LCP	-0.114	-0.455
ATP6V1E2	LCP	-0.746	0.144
CATSPER1	LCP	0.704	0.656
CATSPER3	LCP	0.483	0.200
CCIN	LCP	1.000	0.551
CST8	LCP	0.090	0.318
CST9L	LCP	-0.154	0.130
CYLC2	LCP	-0.583	-0.353
FSCN3	LCP	0.098	0.087
HANP1	LCP	0.695	-0.783
KLHL10	LCP	0.478	0.412
LEMD1	LCP	-1.037	-0.537
MS4A5	LCP	0.214	0.093
OAZ3	LCP	0.289	0.230
ODF1	LCP	0.891	0.487
PGK2	LCP	-0.358	-0.665
SPACA4	LCP	0.642	0.622
SPATA3	LCP	0.453	0.467
TEX15	LCP	-0.729	-0.560
TNP1	LCP	0.574	0.266
TSGA10	LCP	-0.315	-0.147
UBQLN3	LCP	-0.220	0.183
ACRV1	NA		
CTAGE1	NA		
DDX43	NA		
GK2	NA		
ODF4	NA		
PRM1	NA		
PRM3	NA		
SPAM1	NA		
SYCP3	NA		