

Supplementary table 4. Differentially methylated CpG sites located in transcription factors in knee articular cartilage from normal and osteoarthritis patients.

Illumina probe ID	Associated gene symbol	$\Delta\beta$ (Normal-OA)	Corrected P-value
cg22938837	AFF3	0.240298811	0.019726619
cg26649904	AGAP1	0.179912247	0.011952895
cg01446731	ARNT2	0.171663851	0.028946183
cg20839205	ATOH8	0.252112595	0.00267646
cg15380603	BACH2	0.187075117	0.038803092
cg09790829	BACH2	0.17999624	0.010423133
cg10454937	BARX1	0.201569978	0.012054817
cg13773631	BARX1	0.235214772	0.046151283
cg00927495	BARX1	0.185960241	0.014344197
cg06071058	BARX1	0.194175828	0.041069158
cg06070445	BCL6	0.181300674	0.005997954
cg05663031	BCL6	0.184022732	0.001021209
cg21739584	BCL6	0.158024283	0.039158135
cg09709565	CREB3L1	0.186209149	0.007069888
cg09450153	CREB5	0.153866747	0.008873296
cg10031769	CREM	0.218733509	0.019050854
cg15994604	EHF	0.188002001	0.005475934
cg26108843	ERG	0.155687552	0.021355226
cg04807669	FLI1	0.186038199	0.009794552
cg17803993	FOXP1	0.221389041	0.013515956
cg26247087	GLIS1	0.199153142	0.009877503
cg17738521	HIVEP2	0.225155688	0.002889456
cg05349837	HOXC4	0.210343848	0.044130065
cg03140421	HSF4	0.221778769	0.015394044
cg26038465	MAFF	0.221017288	0.041433953
cg10849160	NCOR2	0.198647812	0.040355825
cg03406367	NCOR2	0.180115348	0.022260723
cg20494738	NCOR2	0.232587202	0.005425151
cg19341309	NCOR2	0.237087137	0.044745548
cg02736255	NFATC1	0.338547108	0.00260294
cg17102627	NFATC1	0.241089995	0.01456435

cg16182267	NFATC1	0.28349175	0.017365227
cg16536399	NFATC1	0.232699337	0.036634276
cg15517343	NFATC1	0.195048834	0.028901259
cg21863110	NHLH2	0.156272027	0.029129923
cg10521706	OSR1	0.160316847	0.021528497
cg25758828	PAX8	-	-
cg12673103	PITX1	0.174320999	0.033175191
cg18606375	PITX1	0.177928348	0.026383649
cg26509691	PITX1	0.211753276	0.028939293
cg22827250	PITX1	0.207904558	0.034384125
cg22731637	PRDM11	0.207640195	0.007400391
cg13448468	PRDM11	0.164949294	0.016662398
cg26299084	PRDM8	0.326589547	0.009995321
cg07857469	PRDM8	0.300789429	0.005983571
cg02941135	PRDM8	0.233250591	0.005439723
cg02458885	PRDM8	0.29379489	0.004952817
cg11388320	PRDM8	0.162584084	0.038658133
cg14197071	PRDM8	0.259540112	0.007556661
cg10880006	PRDM8	0.221163527	0.008377219
cg09595050	PRDM8	0.272767012	0.003184364
cg04858148	PRDM8	0.187636854	0.032533141
cg06373870	PRDM8	0.279713634	0.007000105
cg03463411	PRDM8	0.182734526	0.016150412
cg05522011	PRDM8	0.246087543	0.007084237
cg22902505	PRDM8	0.276524793	0.002275168
cg06440348	PRDM8	0.262618697	0.007918354
cg02732915	PRDM8	0.232077475	0.00579143
cg00138041	PRDM8	0.238359919	0.021329118
cg05452645	PRDM8	0.222607215	0.005158531
cg03311556	PRDM8	0.289697499	0.00431253
cg01789499	PRDM8	0.156295522	0.035974349
cg24136700	RAI1	0.163208631	0.045893064
cg19400316	RERE	0.173496139	0.033968223
cg06100161	RORA	-	-
cg13030790	RUNX1	0.172835096	0.049966161
cg05973398	RUNX1	-	-
cg04915566	RUNX1	0.220842646	0.025908509
cg01519261	RUNX1	0.201522345	0.007883557
cg14121282	RXRA	-0.2288687	0.006867914
cg24164254	RXRA	0.331185291	0.015638525
		0.15694891	0.040101616
		0.213990784	0.037354225

cg14344989	RXRA	0.197179	0.036840407
cg11606261	SP1	-	
cg03222323	TBX4	0.151888428	0.027093738
cg07265743	TBX4	0.23381769	0.004638602
cg07265743	TBX4	0.195959895	0.005382153
cg02494945	TBX4	0.202700299	0.006050576
cg07876611	TBX4	0.223872966	0.002599173
cg17975443	TBX4	0.295436613	0.001863844
cg22110896	TBX4	0.205746683	0.001907656
cg03866607	TBX4	0.2569154	0.008570769
cg00158789	TBX4	0.196854697	0.023412185
cg07389611	TBX4	0.253545957	0.005832166
cg14011845	TBX4	0.199177641	0.029246413
cg24274579	TBX4	0.205171211	0.011224263
cg18536148	TBX4	0.303045003	0.004576905
cg07507493	UCKL1	0.388217014	0.005864998
cg14440024	UCKL1	0.196875416	0.013838863
cg01637548	UCKL1	0.223136159	0.018870808
cg12026858	ZBTB16	0.250435666	0.006821064
cg21926603	ZHX2	0.186094359	0.02378354
cg17753789	ZMIZ1	0.160209993	0.049539743
cg04716021	ZMIZ1	0.188587685	0.014775392
cg10812439	ZMIZ1	0.158584116	0.004321254
cg04007726	ZMIZ1	0.175457044	0.020449552
cg23829949	ZNF238	-0.19759489	0.012540886
cg17199018	ZNF395	-	
cg06458239	ZNF549	0.179960568	0.049993483
cg06458239	ZNF549	0.283155463	0.001210523
cg10729426	ZNF549	0.233790735	0.000236854
cg24214260	ZNF551	0.166889935	0.010586309
cg06043820	ZNF592	-	
cg06043820	ZNF592	0.175506114	0.016156625
cg24078554	ZNF697	0.183230346	0.00929244
cg22866579	ZNF827	0.177551531	0.03419686
