

Table S4: Association of selected genes with tissue types.

Gene	Sample 1 (size) vs. sample 2 (size)	Sample 1 mean (\pm SD) vs. sample 2 mean (\pm SD)	Permutation T-test P value
ABCA3	Lung cancer: H522, A549, EKVX (3) vs. rest (56)	4.1 (\pm 0.9) vs. -0.3 (\pm 3.7)	0.0393
ABCB1	Renal (8) vs. else (51)	2.4 (\pm 3.6) vs. -0.6 (\pm 2.4)	0.0059
ABCC4*	Renal (8) vs. else (51)	0.5 (\pm 0.6) vs. -0.04 (\pm 2.3)	0.3705
	Melanoma (10) vs. else (49)	0.7 (\pm 1.1) vs. -0.1 (\pm 2.3)	0.2164
	Breast (5) vs. else (54)	-2.9 (\pm 6.2) vs. 0.3 (\pm 1.1)	0.0161*
	Prostate (2) vs. else (57)	0.4 (\pm 0.7) vs. 0.03 (\pm 2.2)	0.6586
	CNS (6) vs. else (53)	-0.2 (\pm 1.0) vs. 0.1 (\pm 2.2)	0.6734
	Leukemia (6) vs. else (53)	0.4 (\pm 1.1) vs. -0.004 (\pm 2.2)	0.4998
	Lung (9) vs. else (50)	-0.3 (\pm 1.3) vs. 0.1 (\pm 2.3)	0.5603
	Colon (7) vs. else (52)	-0.1 (\pm 0.8) vs. 0.1 (\pm 2.2)	0.7918
	Ovarian (6) vs. else (53)	1.0 (\pm 1.2) vs. -0.1 (\pm 2.2)	0.1444
ABCA2	Renal (8) vs. else (51)	0.3 (\pm 0.7) vs. -0.06 (\pm 0.9)	0.2364
	Melanoma (10) vs. else (49)	-0.1 (\pm 0.5) vs. 0.01 (\pm 0.9)	0.6873
	Breast (5) vs. else (54)	0.1 (\pm 0.5) vs. -0.02 (\pm 0.9)	0.7135
	Prostate (2) vs. else (57)	1.1 (\pm 0.5) vs. -0.04 (\pm 0.9)	0.068
	CNS (6) vs. else (53)	-0.4 (\pm 0.8) vs. 0.03 (\pm 0.9)	0.2448
	Leukemia (6) vs. else (53)	-0.4 (\pm 1.3) vs. 0.03 (\pm 0.8)	0.2972
	Lung (9) vs. else (50)	0.04 (\pm 1.1) vs. -0.01 (\pm 0.8)	0.8492
	Colon (7) vs. else (52)	-0.4 (\pm 0.9) vs. 0.04 (\pm 0.9)	0.1879
	Ovarian (6) vs. else (53)	0.4 (\pm 0.6) vs. -0.05 (\pm 0.9)	0.2559

* Based on the step-down Bonferroni-Holm multiple comparison procedure, the adjusted p value is **0.1449**