

TECHNICAL CONSIDERATIONS WHEN DESIGNING A GENE EXPRESSION PANEL FOR RENAL TRANSPLANT DIAGNOSIS

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Supplemental Table S1: Spearman Rank correlation values for 74 AMR-related genes compared in 51 biopsies between FFPE and RNAlater samples using the NanoString platform

(A) Genes with significant correlation

Gene	Spearman correlation	P value
<i>FCGR3A</i>	.879**	0.000
<i>GZMB</i>	.859**	0.000
<i>CCL4</i>	.848**	0.000
<i>CXCL11</i>	.837**	0.000
<i>TRD</i>	.833**	0.000
<i>CXCL10</i>	.831**	0.000
<i>PSMB10</i>	.788**	0.000
<i>CXCL9</i>	.785**	0.000
<i>IFI27</i>	.778**	0.000
<i>TBX21</i>	.777**	0.000
<i>CYP4F11</i>	.768**	0.000
<i>ICAM1</i>	.752**	0.000
<i>CX3CR1</i>	.749**	0.000
<i>KLRF1</i>	.737**	0.000
<i>TNF</i>	.715**	0.000
<i>DARC</i>	.701**	0.000
<i>CCL3</i>	.686**	0.000
<i>CD74</i>	.685**	0.000
<i>CETP</i>	.683**	0.000
<i>SELE</i>	.681**	0.000
<i>CD160</i>	.657**	0.000
<i>IFNG</i>	.639**	0.000
<i>APOL1</i>	.627**	0.000
<i>GNLY</i>	.616**	0.000

Gene	Spearman correlation	P value
<i>PLA1A</i>	.551**	0.000
<i>FGFBP2</i>	.540**	0.000
<i>ICAM2</i>	.507**	0.000
<i>MYBL1</i>	.493**	0.000
<i>VWF</i>	.472**	0.000
<i>EVA1C</i>	.471**	0.000
<i>S1PR5</i>	.464**	0.000
<i>SH2D1B</i>	.451**	0.000
<i>THBD</i>	.435**	0.001
<i>RPS6</i>	.435**	0.001
<i>ECSCR</i>	.430**	0.001
<i>TEK</i>	.412**	0.002
<i>CD55</i>	.389**	0.004
<i>CD59</i>	.387**	0.005
<i>KLF4</i>	.381**	0.006
<i>MMRN1</i>	.367**	0.008
<i>PECAM1</i>	.347*	0.012
<i>RAMP3</i>	.347*	0.013
<i>SOST</i>	.334*	0.016
<i>CDH13</i>	.327*	0.019
<i>NPHS1</i>	.299*	0.033
<i>NPHS2</i>	.290*	0.038
<i>CX3CL1</i>	.291*	0.039
<i>TRDV3</i>	.288*	0.040

<i>TRIB1</i>	.606**	0.000
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<i>CD34</i>	.279*	0.041
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(B) Genes without significant correlation

Gene	Spearman correlation	P value
<i>EHD3</i>	0.246	0.081
<i>MEOX1</i>	0.233	0.099
<i>APOBEC3A</i>	0.231	0.102
<i>TM4SF18</i>	0.219	0.122
<i>RAPGEF5</i>	0.205	0.149
<i>TM4SF1</i>	0.196	0.166
<i>MALL</i>	0.188	0.185
<i>COL4A3</i>	0.188	0.186
<i>CAV1</i>	0.178	0.209
<i>COL13A1</i>	0.160	0.256
<i>RASIP1</i>	0.129	0.364
<i>ROBO4</i>	0.129	0.363
<i>CDH5</i>	0.127	0.374
<i>GATA3</i>	0.093	0.512
<i>GNG11</i>	0.092	0.519
<i>PLAT</i>	0.087	0.542
<i>PGM5</i>	0.082	0.567
<i>COL4A5</i>	0.046	0.743
<i>COL4A5</i>	0.016	0.910
<i>PALMD</i>	0.003	0.980
<i>SOX7</i>	0.002	0.987
<i>RHOJ</i>	-0.006	0.968
<i>S1PR1</i>	-0.005	0.680
<i>RPS6KB1</i>	-0.110	0.441