

Supplementary Table 1: Kidney gene lists. Pathogenesis-based transcript sets or “PBTs”. The lists have been selected from the datasets available in the file “PBTs_all_affy” downloaded from the url: <https://www.ualberta.ca/medicine/institutes-centres-groups/atagc/research/gene-lists>. Only lists with more than 50 transcripts have been retained. Transcript names have been converted from probeset identifiers into Entrez identifiers. Given that several probesets are associated to the same Entrez ID the final gene lists are usually shorter than transcript lists. Since the file has been downloaded the web page has changed and this file is not available anymore, although new version of the file can be found in the site.

PBT	Size	PBT Name	Biological Description
QCMAT	64	Quantitative constitutive macrophage-associated transcripts	Burden of macrophages
ENDAT	114	Endothelium-associated transcripts	Microcirculation response to injury
BAT	105	B-cell associated transcripts	Transcripts with selective expression in human B cells
IRITD3	313	Injury- and repair-induced transcripts day 3	Active injury–repair response: ‘injury-up’ Increased in isografts, peaking day 3
IRITD5	221	Injury- and repair-induced transcripts day 5	Active injury–repair response: ‘injury-up’ Increased in isografts peaking day 5
KT1	574	Kidney transcripts—set 1	Active injury–repair response: ‘injury-down’ Parenchymal transcripts
KT2	63	Kidney transcripts—set 2	Active injury–repair response: ‘injury-down’ Solute carrier transcripts
KT1.1	119	Kidney transcripts - Set 1.1	Humanized mouse kidney selective transcripts reduced >90% in day 21 mouse allografts