

**Table S3.** Pathway enrichment analysis of the validation data set from Edmonton. Enriched pathways in the predicted and validated miRNA target lists in AREJ or ABMR and differentially regulated transcript lists are represented.

	<b>predicted targets</b>	<b>exp. validated targets</b>	<b>regulated transcripts (SAM)</b>
<b>Acute cellular rejection</b>	p-value	p-value	p-value
<b>Pathways</b>			
Inflammation mediated by chemokine and cytokine signaling pathway	<0.001	<0.001	<0.001
Apoptosis signaling pathway	<0.001	0.007	<0.001
Interleukin signaling pathway	<0.001	0.009	0.004
Nicotinic acetylcholine receptor signaling pathway	0.001	0.009	0.033
Cytoskeletal regulation by Rho GTPase	0.002	0.009	0.034
<b>Antibody-mediated rejection</b>			
Inflammation mediated by chemokine and cytokine signaling pathway	<0.001	<0.001	0.003
Interleukin signaling pathway	0.002	<0.001	0.018
Apoptosis signaling pathway	<0.001	0.006	0.005