

**Table S4. Correlates of Antibody Mediated Rejection Free Survival**

	Antibody Mediated Rejection	No Antibody Mediated Rejection	
	n=52	n=612	
First Transplant	92%	96%	0.3190
Recipient Age (years)	35.1±17.4	44.6±15.8	0.0002
Donor Age (years)	35.9±14.5	40.7±14.8	0.0337
Living Donor	44%	49%	0.5066
Ethnicity (Caucasian vs. other)	85%	65%	0.0019
Cold Ischemic Time (hours)	7.9±5.7	6.7±5.3	0.0770
Delayed Graft Function	12%	14%	0.6287
Induction Therapy	46%	38%	0.2750
Basiliximab	19%	18%	
Thymoglobulin	17%	21%	
Tacrolimus versus Cyclosporin	69%	89%	0.0003
Tacrolimus CV* 0-12 months (n=582)	38.1±13.4	36.2±11.9	0.3574
Mycophenolate	100%	100%	ns
Non-Adherence	42%	13%	<0.0001
Molecular Mismatch Risk Groups			0.0010
Low	10%	27%	
Intermediate	28%	36%	
High	62%	37%	

\*CV, coefficient of variation