

**Table S5. Correlates of All Cause Graft Loss**

	Graft Loss n=175	No Graft Loss n=489	p value
First Transplant	98%	94%	0.0176
Recipient Age (years)	46.5±17.3	42.9±15.6	0.0036
Donor Age (years)	41.8±14.8	39.7±14.8	0.1452
Living Donor	35%	54%	<0.0001
Ethnicity (Caucasian vs. other)	66%	66%	0.8576
Cold Ischemic Time (hours)	9.0±6.0	6.0±4.9	<0.0001
Delayed Graft Function	26.3%	9.2%	<0.0001
Induction Therapy	45%	37%	0.0800
Basiliximab	25%	16%	
Thymoglobulin	19%	21%	
Tacrolimus versus Cyclosporin	74%	92%	<0.0001
Tacrolimus CV* 0-12 months (n=582)	39.9±13.0	35.3±11.5	<0.0001
Mycophenolate	100%	100%	ns
Non-Adherence	23%	13%	0.0019
Molecular Mismatch Risk Groups			0.0134
Low	19%	27%	
Intermediate	33%	37%	
High	48%	36%	

\*CV, coefficient of variation