

**Table S1.** Characteristics of allograft failure

	Main cause of graft loss	Tx	Time gap 1*	Time gap 2**	Mean eGFR (start of observation)	Pre-existing DSA/ number of MM	Donor age at graft loss	Previous graft rejection	BANFF2017 score from latest graft biopsy	<i>De novo</i> DSA (years after start of observation)
<b>Posttransplant pregnancies</b>										
1	Severe chronic allograft N	PKTx	5.6	15	70	class II	35	Yes (PTx)	g0t0i1v0 cg0ct2ci2ptc0ah3C4D0	No
2	Chronic allograft N	KTx	5	15	60	No	64	No	g0t0i0v0 cg0ct2ci2ptc0ah2C4D0	No
3	Chronic active humoral rejection	KTx	15.8	20	64	No	36	No	g1t1i1v0 cg3ct1ci1ptc0ah2c4D0	7 (class I)
4	Chronic humoral rejection	KTx	17	27	79	No	47	No	g0t0i0v0 cg3ct3ci3ptc2ah3c4D0	19 (class I)
5	FSGS recurrence	KTx	3	19	38	No	67	No	g0t0i0v0 cg0ct1ci1ptc0ah3c4D0	No
6	Chronic active humoral rejection	KTx	12	14	78	No	69	No	g2t1i2v0 cg3ct1ci1ptc1ah3C4D0	13 (class I and II)
7	Chronic allograft N, fibrosis	KTx	0.16	22	24	NA	70	No	g0t0i0v0 cg0ct2ci0ptc0ah3c4D0	1.8 (class II) likely as preexisting DSA

Control cohort										
1	Severe chronic allograft N	KTx	17.5	29	55	no	71	No	g0t0i0v0 cg0ct3ci2ptc0ah3c4D0	no
2	Chronic allograft N, death	KTx	11	12	42	no	67	No	g0t0i0v0 cg0ct1ci1ptc0ah2c4D0	no
3	Chronic humoral rejection	KTx	13	14	50	no	65	No	g0t0i0v0 cg3ct1ci1ptc0 ah3c4D0	1 (class II)
4	ATN, FSGS recurrence (?)	KTx	2.8	8	35	no	73	No	g0t0i0v0 cg0ct1ci1ah1ptc0c4D0	3 (class II)
5	Chronic active humoral rejection	KTx	17	21	42	no	70	Yes	g1t0i1v0 cgct0ci1ah2ptc3c4D0	0.8 (class II)

Time gap 1\* elapsed time between end of pregnancy/observation until graft loss (years). Time gap 2\*\* elapsed time between date of transplantation until graft loss (years). TX transplantation, PKTX: combined pancreas-kidney transplantation, KTX: kidney transplantation, NA not available; FSGS, ATN=acute tubular necrosis, N=nephropathy. g=glomerulitis, t=tubulitis, i=inflammation, v=vascular, g=chronic glomerulitis, ct=chronic tubulitis, ci=chronic inflammation, ptc=peritubular capillaritis, ah=arterial hyalinosis