

Supplementary table 2a - impact of reducing threshold for positive DSA to >0

Entire cohort (n=52)	MFI of DSA	Number of samples		P value *	Number of samples		P value *
		Graft failure	No graft failure		Deteriorating eGFR (≤median)	Stable eGFR (>median)	
Time point 1	>0 (n=22)	8	14	0.04	15	7	0.05
	0 (n=30)	3	27		12	18	
Time point 2	>0 (n=26)	8	18	0.17	15	11	0.41
	0 (n=25)	3	22		11	14	
Overall**	>0 (n=30)	9	21	0.09	18	12	0.26
	0 (n=22)	2	20		9	13	

Supplementary table 2b – Lack of association between DSA and outcomes in BFC cohort only

BFC cohort (n=37)	MFI of DSA	Number of samples		P value *	Number of samples		P value *
		Graft failure	No graft failure		Deteriorating eGFR (≤median)	Stable eGFR (>median)	
Time point 1	>1000 (n=16)	7	9	0.15	10	6	0.32
	0 or <1000 (n=21)	4	17		9	12	
Time point 2	>1000 (n=15)	7	8	0.14	8	7	1
	0 or <1000 (n=21)	4	17		10	11	
Overall**	>1000 (n=18)	7	11	0.3	10	8	0.75
	0 or <1000 (n=19)	4	15		9	10	

Supplementary table 2c – Lack of association between DSA and outcomes in PRTCOL cohort only

PRTCOL cohort (n=15)	MFI of DSA	Number of samples		P value *	Number of samples		P value *
		Graft failure	No graft failure		Deteriorating eGFR (≤median)	Stable eGFR (>median)	
Time point 1	>1000 (n=1)	0	1	1	1	0	1
	0 or <1000 (n=14)	0	14		7	7	
Time point 2	>1000 (n=2)	0	2	1	2	0	0.5
	0 or <1000 (n=13)	0	13		6	7	
Overall**	>1000 (n=2)	0	2	1	2	0	0.5
	0 or <1000 (n=13)	0	13		6	7	

* Fisher exact test

**Overall i.e. DSA at either time point 1 or 2 or both

Graft Failure:

Sensitivity of DSA>0: Time point 1 8/11=73%,

Positive predictive value of DSA>0: time point 1 8/23=35%.

Negative predictive value of DSA 0: Time point 1 26/29=90%.

Specificity: Time point 1 26/41=63%.