

**Table S1:** Variables used in scoring rubric and the values assigned to each. This rubric has been amended periodically by the APD's Scientific Operations Committee, comprised of physicians from participating transplant centers. Last amended 02/2014

DR-locus mismatches	0 mismatches	2.0
	1 mismatch	1.0
	Any other mismatches	0.0
Zero-antigen mismatch	Yes	6.0
	No	0.0
High PRA	>=80	10.0
	>=50	6.0
	Any other PRA	0.0
Travel distance	Same center or same city	3.0
	Any other distance	0.0
Pediatric recipient	Age <=5	4.0
	Age <= 17	2.0
	Any other age	0.0
Recipient once was donor	Yes	6.0
	No	0.0
Known negative crossmatch and PRA >=80	Yes	6.0
	No	0.0
Waiting time		$Y + (R / N)^*$

\*Y= Years since recipient was registered. N=Number of recipients currently in pool. R= Rank in the list of recipients when they are put in order from the person with the most recent registration date to the person with the earliest registration date.