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390 **Supplementary (S) data**

391 **S 1: Logistic regression of factors associated with G6PD deficiency**

Parameters	OR (95% CI)	P-value
Sex		
Male	Reference	-
Female	4.697 (1.426-15.476)	0.011
Sickling status		
A	Reference	
AS	3.046 (1.395-6.652)	0.005
Donor type		
Commercial	7.381 (1.665-32.715)	0.009
Voluntary	0.782 (0.299-2.041)	0.615
Replacement	Reference	-

A: haemoglobin A; S: haemoglobin S; OR: odds ratio; CI: confidence interval

400 **S 2: Logistic regression of factors associated with co-inheritance of sickle haemoglobin variant**
 401 **(AS) and G6PD deficiency**

Parameters	OR (95% CI)	P-value
Age group		
18-29	Reference	-
30-39	1.778 (0.591-5.350)	0.306
40-49	0.000 (0.000)	0.997
50-59	-	-
Sex		
Male	Reference	-
Female	0.000 (0.000)	-
Sickling status		
Positive	1.796 (1.796)	-
Negative	Reference	-
G6PD Activity		
Mild deficiency	5.046 (0.000)	0.998
Non-deficient	1.000 (1.000)	-
Increased activity	Reference	-
Donor type		
Commercial	8.520 (1.775-40.888)	0.007
Voluntary	0.364 (0.045-2.932)	0.342
Replacement	Reference	-

402 OR: odds ratio; CI: confidence interval