

Supplementary Table II. Hb variant detection analysis - data per testing centre

Centre	Hb	Sensitivity ^a		Specificity ^b		PPV		NPV	
		TP/ (TP+ FN)	%	TN/ (FP+ TN)	%	TP/ (TP+ FP)	%	TN/ (TN+FN)	%
I	A	298/298	100	3/3	100	298/298	100	3/3	100
	S	41/41	100	260/260	100	41/41	100	260/260	100
II	A	317/317	100	1/1	100	317/317	100	1/1	100
	S	25/26	96.1	292/292	100	25/25	100	292/293	99.7
III	A	343/343	100	2/2	100	343/343	100	2/2	100
	S	28/28	100	317/317	100	28/28	100	317/317	100
IV	A	249/249	100	2/2	100	249/249	100	2/2	100
	S	37/42	88.1	207/209	99	37/39	94.9	207/212	97.6
V	A	295/295	100	5/5	100	295/295	100	5/5	100
	S	52/52	100	248/248	100	52/52	100	248/248	100
VI	A	208/208	100	1/2	50	208/209	99.5	1/1	100
	S	23/26	88.5	184/184	100	23/23	100	184/187	98.4

^aAny specimen that was either homozygous or heterozygous for each particular Hb variant was considered a true positive.

^bAny specimen that lacked each particular Hb variant was considered a true negative for that variant, regardless of other Hb variants present
TP, true positives; TN, true negatives; FP, false positives; FN, false negatives; PPV, positive predictive value; NPV, negative predictive value