

Table S1. In the commutability study, description of routine HbA2 assays.

Manufacturer	Measurement analyzer	Method	Reagents kit	Calibrators	Laboratory name
	D-10 Hemoglobin Testing System with beta-thalassemia	HPLC	Lirimax	Bio-Rad	Sichuan Provincial People's Hospital East Sichuan Hospital & Dazhou First People's Hospital
Bio-Rad	Variant II Hemoglobin Testing System with beta-thalassemia	HPLC	Lirimax	Bio-Rad	The Affiliated Nanhua Hospital
	Variant II Hemoglobin Testing System with dual	HPLC	Bio-Rad	Bio-Rad	Lirimax (Tianjin) Medical Technology Co., Ltd.
TOSOH	HLC-723-G11 analyzer with variant model	HPLC	Lirimax	TOSOH	Lirimax (Tianjin) Medical Technology Co., Ltd.
Arkray	HA-8180T analyzer with variant model	HPLC	Arkray	Arkray	The First People's Hospital of Chengdu's Shuangliu District
Sebia	Capillary 3 Tera	CE	Sebia	Arkray	Tianjin Medical Device Evaluation and Inspection Center