Supporting Information

Hosseini et al. 10.1073/pnas.1610435113

Table S1.   Mean corpuscular volume (MCV), mean corpuscular Hb concentration (MCHC), as well as blood composition data

Patients	Clinical measurements					
	MCV, fL	MCHC, g/dL	HbS, %	HbF, %	HbA, %	HbA2, %
On-drug						
Patient I	108	36	61.4	33.0	2.9	2.6
Patient II	95	33	79.3	13.2	2.8	4.7
Patient III	84	30	89.3	4.4	1.5	4.7
Patient IV	75	37	80.7	11.7	2.5	5.1
Patient V	131	36	81.8	11.8	2.3	4.1
Off-drug						
Patient VI	97	32	84.5	4.3	6.1	5.1
Patient VII	98	36	84.7	8.2	2.4	4.8
Patient VIII	83	38	84.7	8.2	2.4	4.8
Patient IX	84	36	84.9	7.8	2.5	4.8
Patient X	83	36	84.3	8.5	2.2	5.1
Patient XI	70	36	73.0	20.6	2.9	3.5

MCV and MCHC have been obtained from complete blood count (CBC) analysis from clinical measurements. Blood composition data are extracted from gel electrophoresis experiments identifying the fraction of various Hb types in patients in this study ($n = 11$).