

Blood proteins	Peptide <i>m/z</i>	Sequence	In solution Relative error (ppm)	Lab-on-plate Relative error (ppm)
Hemoglobin alpha	974.5418	⁹ TNVKAAWGK ₁₇	-	4.8227
	1087.6258	⁹² LRVDPVNFK ₁₀₀	-5.4246	-3.8616
	1529.7342	¹⁸ VGAHAGEYGAEALER ₃₂	-1.5035	0.3268
	1833.8918	⁴² TYFPHFDLSHGSAQVK ₅₇	-2.5083	-0.5998
	2043.0042	¹³ AAWGKVGGAHAGEYGAEALER ₃₂	-	-1.5173
Hemoglobin beta	1274.7255	³² LLVVYPWTQR ₄₁	-1.7258	-3.2163
	1314.6648	¹⁹ VNVDEVGGEALGR ₃₁	-1.3691	-
	1449.7961	¹³⁴ VVAGVANALAHKYH ₁₄₇	-4.3454	-3.5867
	2058.9477	⁴² FFESFGDLSTPDAVMGNPK ₆₀	-	-1.0199
EPB 4.2	1113.4881	⁴²⁸ CEDITQNYK ₄₃₆	-9.3400	-
	949.4771	⁴⁵⁴ EKMEREK ₄₆₀	-	1.0532
Complement C3	959.5407	¹⁵⁹² EALKLEEK ₁₅₉₉	1.3548	-

Table S2. Blood peptide signatures detected from the 9 year old treated bloodied hand print.