

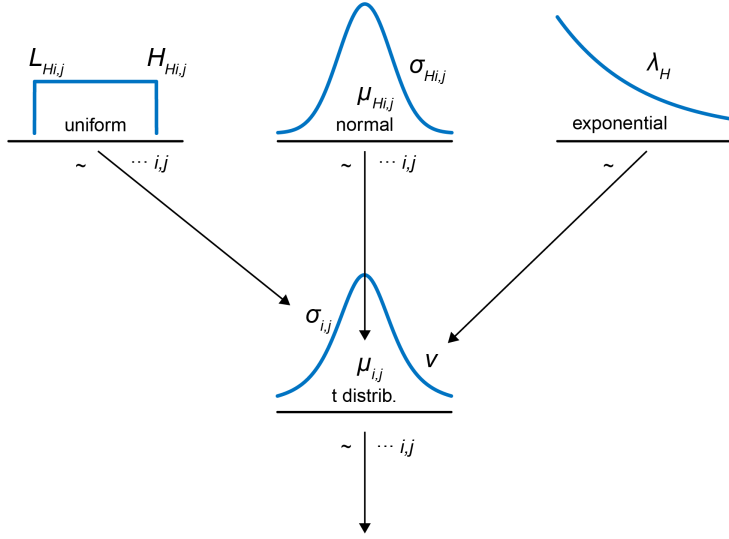


Fig. S1 Bayesian inference model structure Relative deformability distributions are modeled as Student's T distributions for every donor i and PMA treatment j . Each distribution's scale parameter is uniformly distributed with a minimum ($L_{Hi,j}$) and maximum ($H_{Hi,j}$) defined as 0.001 times the estimated standard deviation or 1,000 times the estimated standard deviation, respectively. Each distribution's mean parameter is normally distributed with a mean ($\mu_{Hi,j}$) at the estimated mean and standard deviation ($\sigma_{Hi,j}$) defined as 100 times the estimated standard deviation. The normality parameter ν is shared across all models and is distributed as an exponential distribution with $\lambda=1/30$. The model is sampled with three parallel chains.