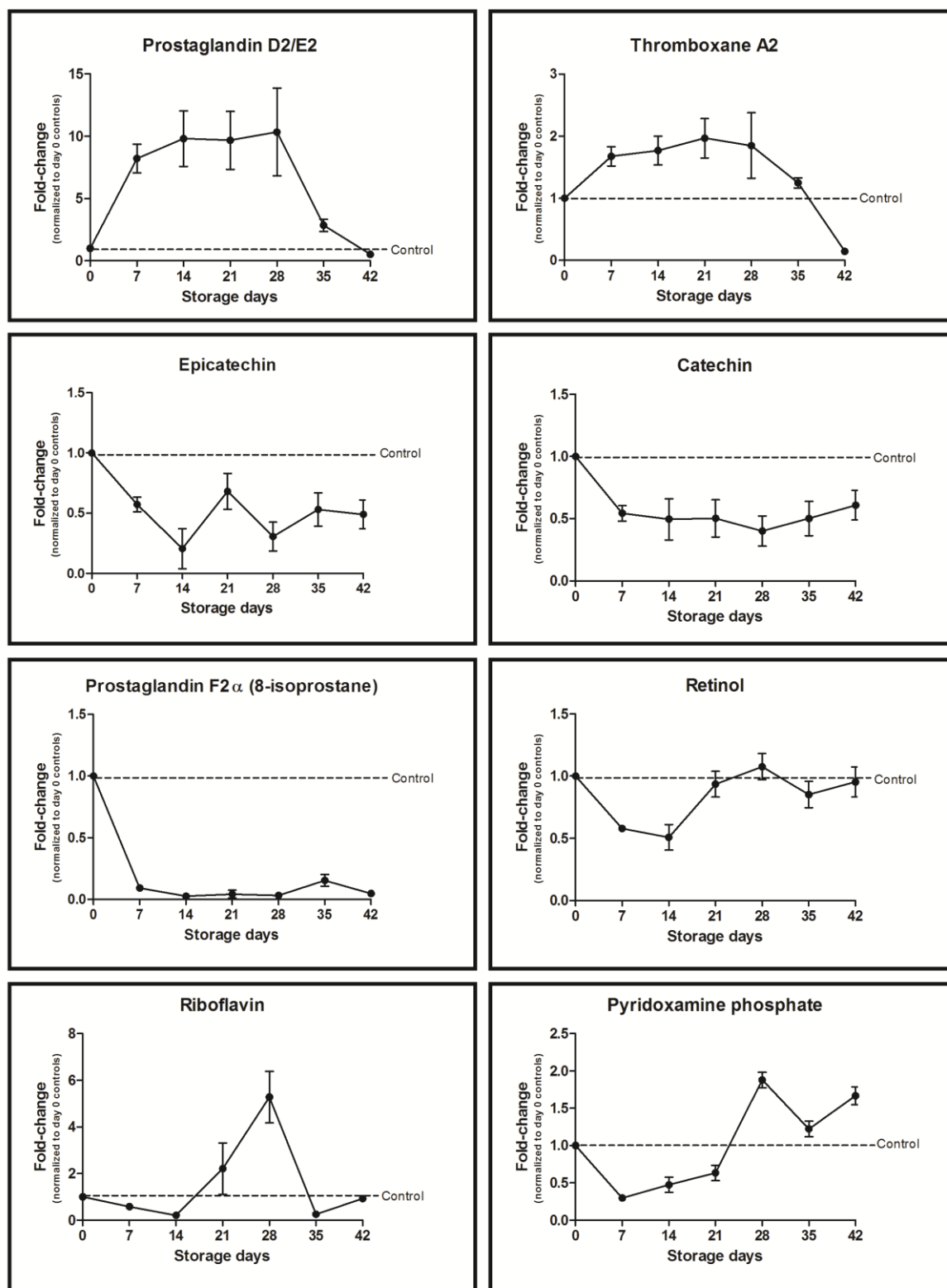


Supplementary Figure 1 In A, A representative total ion current (TIC) mass spectrum chromatogram of a red blood cell sample. In B, a detail of the extract ion current (EIC) mass spectrum chromatogram for oxidized glutathione (GSSG) of a standard (black spectrum) and random red blood cell sample (blue chromatogram). In C, D and E, , the calibration curve to determine the linearity range, the intact accurate mass isotopic pattern and the fragmentation pattern for a sample metabolite (GSSG), respectively.



Supplementary Figure 2 Inflammation/oxidative stress markers (prostaglandins and thromboxane), exogenous anti-oxidant metabolites (epicatechin and catechin) and vitamins/vitamin related metabolites in anaerobically stored RBCs. Results are plotted as fold-change variations upon normalization to day 0 controls.