

Supplementary Figure S2 Induction of oxidative stress increased DNA damage when PRDXs are inhibited. After 90 min of incubation with the maximum concentration of the inhibitors of the 2-Cys PRDXs, the TRX/TRD system, the NADPH-suppliers' enzymes, the reactivation system of the PRDX6 peroxidase activity or the Ca²⁺-iPLA₂ activity of PRDX6, spermatozoa were challenge with I mM H₂O₂ for another 30 min. The percentage of labeled cells were analyzed by MACSQuant Analyzer flow cytometry and results are presented as the mean \pm SEM of six measurements performed with sperm samples from different donors. *A significant difference ($P \le 0.05$) and ^significant difference with the sample incubated with the respective inhibitor alone (Mann Whitney test).