Figure S6  (A) Highly unstable nuclear genomes in rho0 cells lacking the peroxiredoxin gene TSA1. WT (L1937), rho0 (f) (L1994), tsa1 RHO+ (L1822) and tsa1 rho0 (f) (L1829) were grown on YEPD 2% at 30°, with or without 1mM H2O2, and tested by CINA assay. Note the log Y axis. (B) CIN in tsa1 RHO+ strain (L1822) is high under standard conditions (D=YEPD 30°) and is not reduced by calorie restriction nor by low growth temperature (25°), unlike in rho0 cells. Ethanol, peroxides and NAC induced a moderate increase of CIN in this strain (less than 2 fold). However, extreme calorie restriction (ECR= 0.05% glucose and YPGlycerol (2%)) leads to a significant stabilization of these cells (4 to 10 fold, p<0.0001) compared to standard YEPD 30° conditions.