Figure Legends for Supplement

**Supplementary Figure 1.** smBcl-2 expression based on IGHV mutation status. Representative histograms of smBcl-2 expression on B-CLL cells after gating for lymphocytes. B-CLL ID numbers are color coded: red, U-CLL; green, M-CLL; black, unknown.

**Supplementary Figure 2.** Levels of smBcl-2 and apoptosis on fresh B-cells. Histograms of the B cells from three B-CLL patients and three age-matched normal subjects that were analyzed for smBcl-2 expression shown in left graph paired with the corresponding graph for apoptosis on right as analyzed by PI staining, (top two rows) and Annexin V binding (bottom two rows). Numbers for percentage of cells positive for smBcl-2 and apoptosis are given in the respective graph.

**Supplementary Figure 3.** Levels of smBcl-2 on cells after induction of apoptosis by heat. Normal B cells from individuals over age 50 were exposed a 60° C hot water bath or heat block (shown) and then analyzed for smBcl-2 and viability by Annexin V binding; levels are shown before heating (left) and after (right), respectively, with the percent double positive cells listed in bold. *P < 0.05.

A. and B. Cells were heated for 3 min at 60° C.

C. Cells were heated for 4 min at 60° C.

D. Statistical significance of difference in smBcl-2 and Annexin V binding, before and after heat treatment.

**Supplementary Figure 4.** Levels of smBcl-2 after chemical induction of apoptosis. Graphic representation of apoptosis (left) and smBcl-2 expression
(right), before (top) and after camptothecin treatment (bottom). The percentage of smBcl-2+ cells and of apoptotic cells are given in the respective graphs.
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