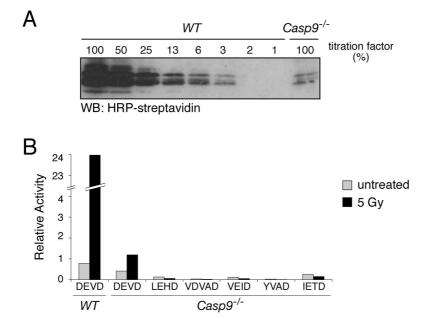
## Quantitative assessment of caspase activation in g-irradiated Casp9<sup>-/-</sup> thymocytes



- (A) Lysates were prepared from WT and  $Casp9^{-/-}$  thymocytes that had been exposed to 5 Gy of  $\gamma$ -irradiation and then cultured for 8 h. Active caspases were labeled with an irreversible biotinylated caspase inhibitor (biotin-XVAD-fmk). The biotin-XVAD-fmk-labeled lysate from  $\gamma$ -irradiated WT thymocytes are compared to undiluted biotin-XVAD-fmk-labeled lysate from  $\gamma$ -irradiated  $Casp9^{-/-}$  thymocytes. The labeled caspases were resolved by SDS-PAGE and detected by blotting with HRP-streptavidin.
- (B) Lysates were prepared from WT and  $Casp9^{-/-}$  thymocytes that had been either left untreated or exposed to 5 Gy of  $\gamma$ -irradiation and then cultured for 8 h. The lysates were assayed for their ability to cleave z-DEVD-R110 (a preferred substrate for caspases-3, 7), z-LEHD-R110 (caspases-9, -11), z-VDVAD-R110 (caspase-2), z-VEID-R110 (caspase-6), z-YVAD-R110 (caspases-1, -11), and z-IETD-R110 (caspase-8).