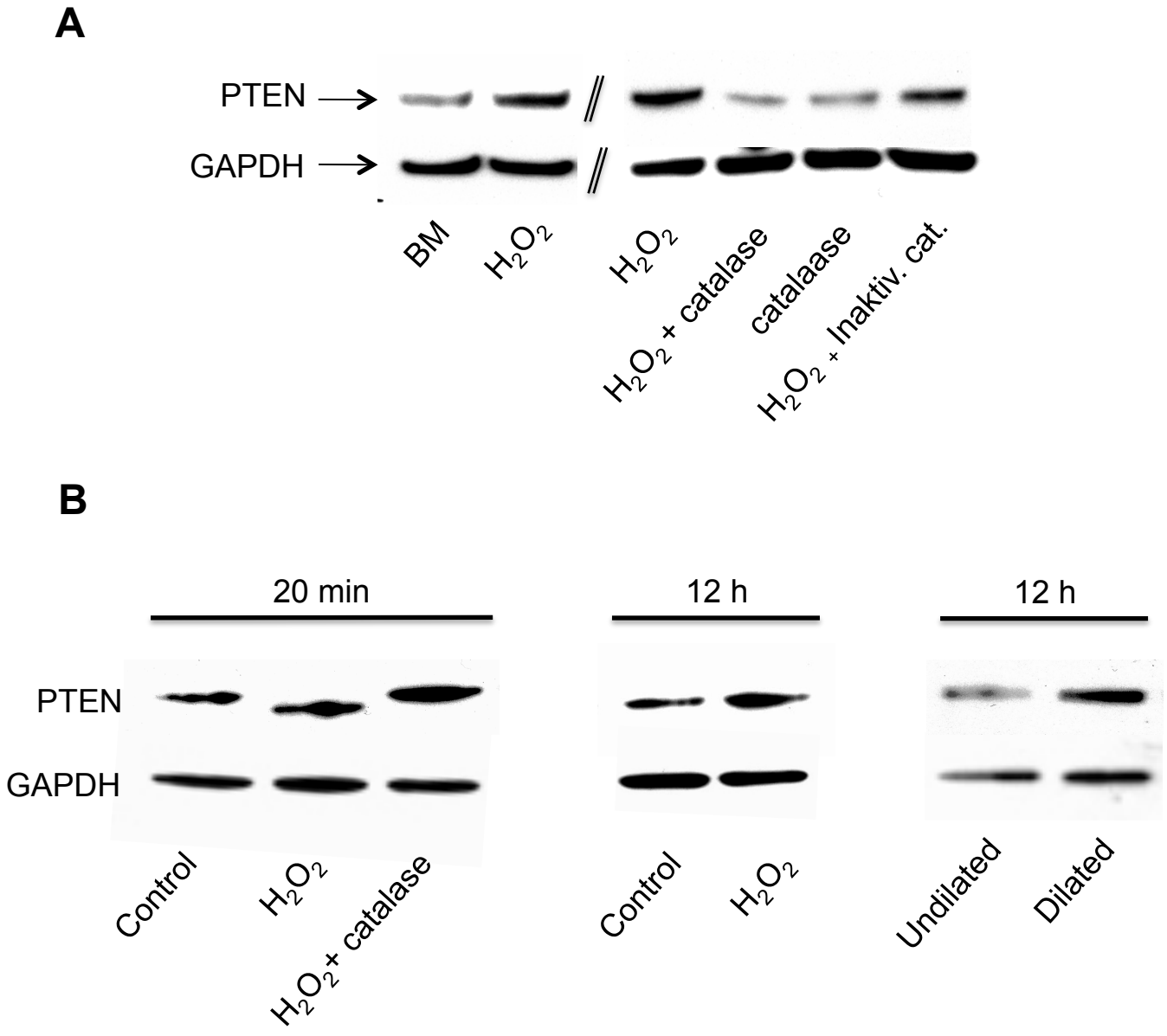Supplemental online figure 2