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Title: Autophagy inhibition switches low-dose camptothecin-induced premature senescence to apoptosis in human colorectal cancer cells

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2 senescence to apoptosis in human colorectal cancer cells 3 Running title: Autophagy inhibition switches CPT-induced senescence to apoptosis 4 5 Jian-wei, Zhang¹*, Shan-shan, Zhang¹*, Jian-rui, Song^{1,2}*, Kai Sun^{1,3}, Chen Zong¹, Qiu-dong, 6 Zhao¹, Wen-ting, Liu¹, Rong Li¹, Meng-chao, Wu¹, Li-xin, Wei^{1#} 7 8 ¹ Tumor Immunology and Gene Therapy Center, Eastern Hepatobiliary Surgery Hospital, Second 9 10 Military Medical University, Shanghai 200438, China ² Departments of Cell and Developmental Biology, University of Michigan, Ann Arbor, Michigan 11 12 48109 ³ Medical Sciences Research Center, Renji Hospital, School of Medicine, Shanghai Jiaotong 13 14 University, Shanghai, China 15 * These authors contributed equally to this work. 16 17 18 [#] Corresponding author: 19 Lixin Wei, MD., Ph.D. 20 Tumor Immunology and Gene Therapy Center, Eastern Hepatobiliary Surgery Hospital, 21 The Second Military Medical University 22 225 Changhai Road, Shanghai 200438, China

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