

<b>Supplementary Table 4: Ubiquitin signature peptides identified in this study.</b>			
Ub Site <sup>1</sup>	Signature peptide <sup>2</sup>	SCX fractions <sup>3</sup>	Relative abundance <sup>4</sup>
Lys 48	LIFAGK*QLEDGR	48-56 (9)	High
Lys 63	TLSDYNIQK*ESTLHLVLR	65-72 (8)	Medium
Lys 11	TLTGK*TITLEVESSDTIDNVK	38-42 (5)	Medium
Lys 33	IQDK*EGIPPDQQR	50 (1)	Low
Lys 27	TITLEVESSDTIDNVK*SK	41 (1)	Low
Lys 6	LISEEDLGMIQFVK*TLTGK	38 (1)	Low
Lys 29, 33	SK*IQDK*EGIPPDQQR	755 (1)	Low

<sup>1</sup>Ubiquitination site.

<sup>2</sup>Signature peptide is the tryptic peptide containing the di-glycine branched peptide at the K\*.

<sup>3</sup>SCX is strong cation exchange chromatography. Number in parentheses is the total number of fractions.

<sup>4</sup>Relative abundance was assessed based on the frequency of peptide identification.

<sup>5</sup>The signature peptide for lysine 29 was only detected as a peptide containing both Lys 29 and Lys 33.