

Supplementary Table I

Sumoylation sites in  $\beta$ -arrestins, GRKs and 7TMRs.

Protein Name	Species	Accession Number	Residue Number	Sequence	SUMO Motif
$\beta$ -arrestin1	<i>Homo Sapiens</i>	NP 004032	294	GKLVKED	TypeI: $\Psi$ -K-X-E
			357	PKPKKEEP	TypeI: $\Psi$ -K-X-E
			400	KGMKDDK	TypeII: Non-consensus
			403	KDDKKEE	TypeII: Non-consensus
$\beta$ -arrestin2	<i>Homo Sapiens</i>	NP 004304	295	GKLVKED	TypeI: $\Psi$ -K-X-E
			<i>Bos Taurus</i>	NM 001205277	295
411	KGLKDED	TypeI: $\Psi$ -K-X-E			
GRK2	<i>Homo Sapiens</i>	NP 001610	90	EEIKKYE	TypeII: Non-consensus
			94	KYEKLET	TypeII: Non-consensus
			644	VQWKEL	TypeI: $\Psi$ -K-X-E
GRK3	<i>Homo Sapiens</i>	NP 005151	90	EEIKKYE	TypeII: Non-consensus
			644	VQWKEL	TypeI: $\Psi$ -K-X-E
GRK4	<i>Homo Sapiens</i>	NP 892027	134	LGLKEEN	TypeI: $\Psi$ -K-X-E
			227	KKRKGEA	TypeII: Non-consensus
			314	RDLKPEN	TypeI: $\Psi$ -K-X-E
			394	EKVKWEE	TypeI: $\Psi$ -K-X-E
			403	QRIKNDT	TypeII: Non-consensus
GRK5	<i>Homo Sapiens</i>	CAI15804	527	DINKSES	TypeII: Non-consensus
			226	KKRKGES	TypeII: Non-consensus

			313	RDLKPEN	TypeI: $\Psi$ -K-X-E
			393	EKVKREE	TypeI: $\Psi$ -K-X-E
GRK6	<i>Homo Sapiens</i>	NP_001004106	226	KKRKGEA	TypeII: Non-consensus
			313	RDLKPEN	TypeI: $\Psi$ -K-X-E
			358	EVVKNER	TypeI: $\Psi$ -K-X-E
			393	KKIKREE	TypeI: $\Psi$ -K-X-E
			466	PPFKPDP	TypeII: Non-consensus
$\beta_2$ AR	<i>Homo Sapiens</i>	P07550	60	AIAKFER	TypeI: $\Psi$ -K-X-E
			227	QEAKRQL	TypeII: Non-consensus
			232	QLQKIDK	TypeII: Non-consensus
			235	KIDKSEG	TypeII: Non-consensus
$\beta_1$ AR	<i>Homo Sapiens</i>	P08588	85	AIAKTPR	TypeII: Non-consensus
			253	EAQKQVK	TypeII: Non-consensus
			476	SESKV	TypeII: Non-consensus
$\alpha_1$ AR	<i>Homo Sapiens</i>	NP_000672	80	RALKAPQ	TypeII: Non-consensus
AT <sub>1a</sub> R	<i>Homo Sapiens</i>	ABY87526			No sites predicted
V <sub>2</sub> R	<i>Homo Sapiens</i>	ACR39021			No sites predicted

(Sites were identified by sequence analysis with the software SUMOsp 2.0: Systematic study of protein sumoylation: Development of a site-specific predictor of SUMOsp 2.0. Proteomics.2009; 9:3409-3412)