

Table 2. Mitochondrial reduced glutathione and oxidized glutathione content in NSC-34 cell lines expressing mutant SOD1s or wild-type SOD1

	SOD1 protein	Mitochondrial GSH content (nmoli/mg protein)	Mitochondrial GSSG content (nmoli/mg protein)
hSOD1 -myc	WT -Doxy	36.30 ± 4.5	4.60 ± 0.2
	WT +Doxy	34.60 ± 5.5	4.70 ± 0.5
	G93A-Doxy	43.00 ± 5.7	8.50 ± 0.4
	G93A+Doxy	47.00 ± 3.7	30.00 ± 2.6
	WT -Doxy	46.00 ± 4.0	8.50 ± 0.7
	WT +Doxy	50.00 ± 3.8	9.40 ± 0.6
	A4V -Doxy	72.40 ± 3.1	27.80 ± 2.9
	A4V +Doxy	49.08 ± 4.0	152.86 ± 20.0
	G37R -Doxy	25.67 ± 3.0	4.96 ± 0.3
	G37R +Doxy	19.00 ± 2.0	22.50 ± 2.9
	H46R -Doxy	18.55 ± 2.0	4.44 ± 0.3
	H46R +Doxy	37.69 ± 3.0	8.74 ± 0.8
	H48Q -Doxy	24.00 ± 3.0	7.00 ± 0.6
	H48Q +Doxy	13.60 ± 1.8	5.70 ± 0.2
	H80R -Doxy	10.32 ± 1.4	2.65 ± 0.2
	H80R +Doxy	17.02 ± 1.8	244.26 ± 22.0
	G85R -Doxy	47.96 ± 5.0	21.01 ± 1.9
	G85R +Doxy	37.33 ± 4.0	65.35 ± 3.9
	D90A -Doxy	18.20 ± 2.0	7.10 ± 0.6
	D90A +Doxy	26.50 ± 3.0	13.25 ± 1.9
	G93A -Doxy	26.15 ± 3.2	3.37 ± 0.3
	G93A +Doxy	18.99 ± 2.2	9.70 ± 0.7
	D124V -Doxy	25.44 ± 3.3	9.40 ± 0.8
	D124V +Doxy	14.90 ± 2.0	18.00 ± 1.4
	D125H -Doxy	10.40 ± 2.1	1.10 ± 0.1
	D125H +Doxy	13.00 ± 1.9	6.10 ± 0.6
	E133Δ -Doxy	28.06 ± 2.2	10.10 ± 1.1
	E133Δ +Doxy	27.10 ± 2.8	20.10 ± 1.2
	S134N -Doxy	23.58 ± 3.0	5.12 ± 0.5
	S134N +Doxy	24.00 ± 2.4	23.00 ± 2.0