Table 2. Changes in free energy of urea-induced unfolding of p53 core domain mutants

	$\Delta\Delta G_{D-N}^{H_2O}$ (kcal/mol)*	
Mutation	*T*-p53C	Wild type†
V143A	3.7 ± 0.15‡	3.5 ± 0.06
Y220C	4.2 ± 0.06	4.0 ± 0.06
G245S	0.8 ± 0.04‡	1.2 ± 0.03
F270L	4.1 ± 0.26	n. d.§
R273C	-0.4 ± 0.03	n. d.
R282W	3.0 ± 0.20‡	3.3 ± 0.10

n. d., not determined.

* $\Delta\Delta G_{D-N}^{H_2O}$ values represent the change in the free energy of urea-induced unfolding caused by mutations in either *T*-p53C or wild type and are defined as $\Delta\Delta G_{D-N}^{H_2O} = \Delta G_{D-N}^{T\text{-}p53C} - \Delta G_{D-N}^{mut}$ and $\Delta\Delta G_{D-N}^{H_2O} = \Delta G_{D-N}^{wt} - \Delta G_{D-N}^{mut}$, respectively. Data were collected at 10°C in 25 mM sodium phosphate, pH 7.2/150 mM KCl/5 mM dithiothreitol.

†Data for mutations in the wild-type context are taken from ref. 1.

‡Data taken from ref. 2.

§F270C destabilizes wild-type core domain by 4.5 kcal/mol (1).

1. Bullock AN, Henckel J, Fersht AR (2000) *Oncogene* 19: 1245-1256.
2. Ang HC, Joerger AC, Mayer S, Fersht AR (2006) *J Biol Chem* 281: 21934-21941.