System	Mean dG* (kcal/mol)	Mean dG0 (kcal/mol)
WT Human Sec	$16.37 \pm 0.95 \text{ kcal/mol}$	$-60.85 \pm 1.84 \text{ kcal/mol}$
WT Mouse Cys	$20.72 \pm 1.07 \text{ kcal/mol}$	$-55.43 \pm 1.77 \text{ kcal/mol}$
Mouse Sec	$15.75 \pm 0.71 \text{ kcal/mol}$	$-64.42 \pm 1.86 \text{ kcal/mol}$
Mouse Cys - S47A	$17.38 \pm 0.59 \text{ kcal/mol}$	$-56.04 \pm 2.59 \text{ kcal/mol}$
Human Sec A47S	$18.95 \pm 1.22 \text{ kcal/mol}$	$-58.86 \pm 1.90 \text{ kcal/mol}$
Mouse Cys T52A	$20.08 \pm 1.35 \text{ kcal/mol}$	$-48.75 \pm 2.83 \text{ kcal/mol}$
Human Sec A52T	$19.49 \pm 0.61 \text{ kcal/mol}$	$-56.84 \pm 1.80 \text{ kcal/mol}$
Mouse Cys F48Y	$20.25 \pm 0.47 \text{ kcal/mol}$	$-52.71 \pm 1.74 \text{ kcal/mol}$

Table 1: Free Energy Changes