S4 Table. Kinetic parameters of the interaction of troponin complexes containing wildtype cTnI (WT) or cTnI-R170G/W with actin and tropomyosin measured by surface plasmon resonance. k_{on} is the association rate constant, k_{off} is the dissociation rate constant, K_D is the dissociation constant. Data are given as value ±SEM, n is the number of measurements.

Interaction		**WT**	**R170G**	**R170W**
actin	k_{on} [$M^{-1}s^{-1}$]	$3880 \pm 3 \cdot 10^{-}1$	$5430 \pm 2 \cdot 10^{-3}$	$2610 \pm 6 \cdot 10^{-2}$
	k_{off} [s^{-1}]	$2.07 \cdot 10^{-2} \pm 1 \cdot 10^{-6}$	$1.74 \cdot 10^{-2} \pm 7 \cdot 10^{-9}$	$1.65 \cdot 10^{-2} \pm 4 \cdot 10^{-7}$
	K_D [µM]	$5.34 \pm 5 \cdot 10^{-4}$	$3.20 \pm 2 \cdot 10^{-6}$	$6.32 \pm 2 \cdot 10^{-4}$
tropomyosin	k_{on} [$M^{-1}s^{-1}$]	$1.58 \cdot 10^{7} \pm 4 \cdot 10^{2}$	$2.86 \cdot 10^{7} \pm 2.1 \cdot 10^{2}$	$7.1 \cdot 10^{6} \pm 8 \cdot 10^{2}$
	k_{off} [s^{-1}] [s^{-1}]	$32.4 \pm 3 \cdot 10^{-4}$	$3.1 \pm 6 \cdot 10^{-3}$	$1.63 \pm 4 \cdot 10^{-4}$
	K_D [µM]	$2.05 \pm 6 \cdot 10^{-5}$	$0.12 \pm 2 \cdot 10^{-4}$	$0.23 \pm 6 \cdot 10^{-5}$
	n	3	3	3