

S5 Table. Parameters of the Ca^{2+} -dependent activation of the thin filament, measured by pyrene maleimide labeled tropomyosin fluorescence. Ca^{2+} sensitivity is given as $\text{pCa}_{50} \pm \text{SEM}$, cooperativity as the Hill coefficient $n_{\text{H}} \pm \text{SEM}$, n is the number of measurements.

-cMyBP-C			
cTnI	pCa_{50}	n_{H}	n
WT	7.26 ± 0.11	1.34 ± 0.32	5
R170G	7.18 ± 0.08	1.49 ± 0.35	5
R170W	7.16 ± 0.07	1.00 ± 0.14	5

+cMyBP-C			
cTnI	pCa_{50}	n_{H}	n
WT	7.06 ± 0.05	2.70 ± 1.03	5
R170G	7.16 ± 0.09	1.49 ± 0.39	5
R170W	7.18 ± 0.10	1.02 ± 0.19	5