

Human	NP_000354.4	1	MADGSSDA-AREPRPAPAPIRRRSS-NYRAYATEPHAKKSKISASRKLQKLTLLQIAK	58
Rat	NP_058840.1	1	...E...-.G..Q....V....A.....M.....	59
Bovine	NP_001035607.1	1	...R.GGST.GDTV...P.V....A.....M.....	60
Chicken	AAH88784.1	44	.....A...S....QV.R.P.....S.M.....	84
Frog	NP_998735.1	14	.KS.A-...G..V....RQ.....R..	52
Fly	CAA42020.1	55	.....A	56
Human	NP_000354.4	59	QELEREAEERRGEKGRALSTRC-QPLELAGLGFELQDLRQLHARVDKVDDEERYDIEAK	117
Rat	NP_058840.1	60	..M.....V.....V.D...E.....V...	118
Bovine	NP_001035607.1	61	.....V.....V.....V.....V.....	119
Chicken	AAH88784.1	85	A.M...E...AR..E.Y.EEH.-E..Q.S.SLS.....E...I.V.....M...	143
Frog	NP_998735.1	53	R.....EQ..A...Q.H.GEL.-P.P..E...V.Q..E...E...IGR.....MGTR	111
Fly	CAA42020.1	57	E..KK.Q.RKAA.RR.IIEE..GS.RN.SDASEG...EI.EEYVE.MYICEGQKW.L.YE	116
Human	NP_000354.4	118	VTKNITEIADLTQKIFDLRGKFKRPTLRRVRISADAMMQALLGARAKESLDLRAHLKQV-	176
Rat	NP_058840.1	119	.....Y.....T.....	177
Bovine	NP_001035607.1	120	.....N.....T.....	178
Chicken	AAH88784.1	144	.N...S..E..NL.....K.N....L.....R....TKH.V.M...N...K	203
Frog	NP_998735.1	112	.S..MA.MEE.RRRVAG--R.V..A....L.....A....SKHRVGT...G.R..-	168
Fly	CAA42020.1	117	.R.KDW..N..NAQVN.....VK.A.KK.SKYENKF--K.QKK.A.-FNF.NQ..V.	172
Human	NP_000354.4	177	--KKEDTEKENREVGDWKRNIDALSGMEGRKKKFES	210
Rat	NP_058840.1	178	--...I.....	210
Bovine	NP_001035607.1	179	--.....G	212
Chicken	AAH88784.1	204	QT..D.AD.DI.....V.....	239
Frog	NP_998735.1	169	--R.D.A...S.....V.....A	202

S2 Fig. Alignment of the cardiac troponin I sequence. Conserved amino acid residues in comparison to the human sequence are given as dots. The red box highlights the Arginin 170, which is conserved in all species down to *Drosophila melanogaster*.