

Fig. S1

[illegible]

	H12	H13
Human talin1	NAIKADAEGESDLENSRKLLSAAKILADATAKMVEAAKGAAAHDPDSEEQQQRLREAAEGL	987
Mouse talin1	NAIKADAEGESDLENSRKLLSAAKILADATAKMVEAAKGAAAHDPDSEEQQQRLREAAEGL	987
Chicken talin1	NAIKADAEGETDLENSRKLLSAAKILADATAKMVEAAKGAAAHDPDSEEQQQRLREAAEGL	987
Human talin2	NAMRSDAEAEIDMENSCKLLAAAKLLADSTARMVEAAKGAAANPENEDQQQRLREAAEGL	900
Mouse talin2	NAMRSDAEAEIDMENSCKLLAAAKLLADSTARMVEAAKGAAANPENEDQQQRLREAAEGL	900
Chicken talin2	NAMRSDAEAEIDMENSCKLLAAAKLLADSTARMVEAAKGAAANPENEDQQQRLREAAEGL	893
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	H14	
Human talin1	RMATNAAAQNAIKKKLVRLEHAARKQAASATQTIAAQHAASTPKASAGPQLLVQSCK	957
Mouse talin1	RMATNAAAQNAIKKKLVRLEHAARKQAASATQTIAAQHAASTPKASAGPQLLVQSCK	957
Chicken talin1	RMATNAAAQNAIKKKLVRKHLEHAARKQAASATQTIAAQHAAASNKNPAQQ-QLVQSCK	956
Human talin2	RVATNAAAQNAIKKKIIVNRLEVAARKQAAAAATQTIAASQNAAVSNKNPAQQ-QLVQSCK	959
Mouse talin2	RVATNAAAQNAIKKKIIVNRLEVAARKQAAAAATQTIAASQNAAISNKNPSAQQ-QLVQSCK	959
Chicken talin2	RVATNAAAQNAIKKKIIVNRLEIAARKQAAAAATQTIAASQNAAVSNKNNTAAHQ-QLVQSCK	952
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	H15	H16
Human talin1	AVAQEIPLLVGVRGSQAQPDSQAALIALIASQSFLQPGGKMVAARKASVPTIQDQASA	1017
Mouse talin1	AVAQEIPLLVGVRGSQAQPDSQAALIALIASQSFLQPGGKMVAARKASVPTIQDQASA	1017
Chicken talin1	VVADQIPLMLVGVRGSQSQPDSPAQLALIALIASQNFLQPGGKMVAARKATVPTITDQASA	1016
Human talin2	AVADHIPQLVGVRGSQAQAEEDLSAQLALIISQNFLQPGSKMVSSAKAAVPTVSDDQAAA	1019
Mouse talin2	AVADHIPQLVGVRGSQAQAEEDLSAQLALIISQNFLQPGSKMVSSAKAAVPTVSDDQAAA	1019
Chicken talin2	NVADHIPQLVGVRGSQAQAEEDLSAQLALINSSQNFLQPGSKMVSAKAHVPTVTDDQAAA	1012
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	H17	H18
Human talin1	MQLSQCAKNLGTALAELRTAAQKAQEACGPLEMDSALSVMQNLKDLQEVKAAARDGKLK	1077
Mouse talin1	MQLSQCAKNLGTALAELRTAAQKAQEACGPLEMDSALSVMQNLKDLQEIKAARDGKLK	1077
Chicken talin1	MQLSQCAKNLAALAEELRTAAQKAQEACGPLEIDSALGLVQSLELDKEAKAAARDGKLK	1076
Human talin2	MQLSQCAKNLATSLAEELRTASQKAHEACGPMEIDSALNTVQTLKNELEDKMAAVESQLK	1079
Mouse talin2	MQLSQCAKNLATSLAEELRTASQKAHEACGPMEIDSALNTVQTLKNELEDKMAAAVESQLK	1079
Chicken talin2	MQLSQCAKNLATSLAEELRTASQKAHEACGPMEIDSALNTVQTLKSELQDAKMAAVDGLK	1072
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	H19	H20
Human talin1	PLPGETMEKCTQDLGNSTKAVSSAIAQLLGEEVAQGNGENYAGIAARDVAGGLRSQAARG	1137
Mouse talin1	PLPGETMEKCTQDLGNSTKAVSSAIAQLLGEEVAQGNGENYAGIAARDVAGGLRSQAARG	1137
Chicken talin1	PLPGETMEKCAQDLGNSTKAVTSAIAHLLEGVAQGNGENYTGIAREVAQALRSQAARG	1136
Human talin2	PLPGETLEKCAQDLGSTSKAVGSSMAQLLTCAAQNGEHYTGVAARETAQALKTLQAARG	1139
Mouse talin2	PLPGETLEKCAQDLGSTSKGVGSSMAQLLTCAAQNGEHYTGVAARETAQALKTLQAARG	1139
Chicken talin2	PLPGETLEKCAQDLGSTSKAVGSSMAQLLTCAAQNGEHYTGVAARETAQALKTLQAARG	1132
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	H21	H22
Human talin1	VAAALTSDFAPVQAIVLDTASDVLDKASSLIEEAKKAAGHPGDPESQORLAQVAKAVTQALN	1197
Mouse talin1	VAAALTSDFAPVQAIVLDTASDVLDKASSLIEEAKKAAGHPGDPESQORLAQVAKAVTQALN	1197
Chicken talin1	VAAALTSDFAPVQAINALECASDVMDKANLIIEEARAKAVAKPGDPDSQORLVQVAKAVSQALN	1196
Human talin2	VAAALTDPAHHAAHMLDSARVDMEGSAMLIIQEAQALIIAPGDAERQORLAQVAKAVSHSLN	1199
Mouse talin2	VAAALNDPEAAHAAHMLDSARVDMEGSAMLIIQEAQALIIAPGDTESSQORLAQVAKAVSHSLN	1199
Chicken talin2	VAAALTDPVAAHAAHMLDSARVDMEGSAMLIIQEAQALAAPGDADSQORLAQVAKAVSHSLN	1192
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	H23	H24
Human talin1	RCVSCLPGRDVDNALRAVGDKASKLLSDSLPPSTGTGFQEAQSRLEAAAGLNQAATELV	1257
Mouse talin1	RCVSCLPGRDVDNALRAVGDKASKLLSDSLPPSTGTGFQEAQSRLEAAAGLNQAATELV	1257
Chicken talin1	RCVNCLPGQRVDAAIRMGVEASKLLSDSFPPSNKTGFQEAQSLENRAAGLNQSANELV	1256
Human talin2	NCVNCLPGQKDVDVALKSIGESSKLLVDLPPSTKPFQEAQSELENAAADLNQSAGEVV	1259
Mouse talin2	NCVNCLPGQKDVDVALKSIGEASKLLVDLPPSTKPFQEAQSELENAAADLNQSAGEVV	1259
Chicken talin2	NCVNCLPGQKDVDVALKSIGESSKLLVDLPPSSKSFQEAQSELENAAADLNQSAGEVV	1252
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[illegible]

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H40

[illegible]

H42

[illegible]

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H44

[illegible]

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H46

[illegible]

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H48

[illegible]

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H50

[illegible]

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Human talin1  ARKKLAQIRQQQYKFLPSELRDEH-- 2541
Mouse talin1  ARKKLAQIRQQQYKFLPSELRDEH-- 2541
Chicken talin1 ARKKLAMIRQQQYKFLPTEL RDEEQN 2541
Human talin2  ARKKLAQIRQQQYKFLPTELREDEG- 2542
Mouse talin2  ARKKLAQIRQQQYKFLPTELREDEG- 2543
Chicken talin2 ARKKLAQIRQQQYKFLPTELREDEG- 2526
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