

A

| LRR | Fibromodulin sequence | Length |
|------|--|--------|
| | ECDCPPNF | |
| I | PTAMY CDNRNLKYL PFVPSR | 20 |
| II | MKYVYFQNNQI TSIQEGVFDNATG | 24 |
| III | LLWLIALHGNQI TSDKVGRKVF SKLRH | 26 |
| IV | LERLYLDHNNL TRMPG PLPRS | 21 |
| V | LRELHLDHNQI SRVP NALEGLN | 24 |
| VI | LTALYLQHNEIQE VGSSMR GLRS | 23 |
| VII | LILLDL SYNHLR KVDPGLPSA | 21 |
| VIII | LEQLYMEHNNV YTPDSY FRGAPK | 24 |
| IX | LLYVRLSHNSL TNNGLASNT FNSSS | 25 |
| X | LLELDLSYNQLQ KIP VNTN | 20 |
| XI | LENLYLQGNRINE FSIS FTVVDVVNFSK | 30 |
| XII | LQVLRRLDGNEIK RSAMPADAP LCRLA | 27 |
| | SLIEI | |

B

| LRR | Chondroadherin sequence | Length |
|----------------|---|--------|
| | ACPQNCHCHSD | |
| I | LQHVICDKVGLQ KIP KVSEK | 20 |
| II | TKLLNLQRN FPVLAANS FRAMPN | 24 |
| III | LVSLHLQHCQI REVAAGAF RGLKQ | 24 |
| IV | LIYLYLSHNDI RVLRAGAF DDLTE | 24 |
| V | ITYLYLDHNV TELPRGLLS SPLVN | 24 |
| VI | LFILQLN NKIRELRAGAF QGAKD | 24 |
| VII | LRWLYLSE NALSSLQPGAL DDVEN | 24 |
| VIII | LAKFHVDRNQ LSSYPSAALS KLRV | 24 |
| IX | VEELKLSHN PLKSI PDNAFQSFGRY | 25 |
| X | LETLWLDNTN LEKFS DGAF LGVTT | 24 |
| XI | LKHVHLENN RNL QLPSNFPFDS | 22 |
| XII (LRRCT) | LETAL TNN PWKCTCQLRGLRRWLEAKASRP DAT CASPA KFKGQHIRD TDAFR SCKFPTKRSK KAGR H | |

Figure S1. Sequences of the LRRs in (A) fibromodulin and (B) chondroadherin. The colouring scheme of the cap structures is the same as in **Figure 1**. The LRR consensus is highlighted in red and the repeat length indicated in the last column.