This journal is © The Royal Society of Chemistry 2017

Tab.S1 : List of peptide sequences analyzed in this paper.

Sequence	Reference
PSAGBW	WO1995009185 A1
PSLGDW	
PSKGDW	
PSIGDW	
PSSGDW	
PSPGDW	
PSMGDW	
PSFGDW	
RGDS	US5498601 A
GRGDSP	EP0319506 B1
RGDY	
GNLVRICLGAVILIILAGFLA	WO2008076275 A2
GNLVRICLGAV	
GNLVRICLRAVILIILAGFLA	
GNLVRIGLRAVILHLAGFLA	
GNLVRIGLRAVILIILAGFLA	
GNLVRICLRAVRLIILAGFLA	
LA GNLVRICLRAVRLIILAGFLA	
RRKKYARALLYGLRAVGYRKK	
KKRGLVKILLRILRVLLPGKR	
KKRGLVKILLRILRVLLPGKR	
LA KKRGLVKILLRILRVLLPGKR	
CGLVRIILGAVIGILIILKKK	
RKCGLVRIILGAVRGILIILCKKK	
LA RKCGLVRIILGAVRGILIILCKKK	
RKCGLVRIILGAVRGILIILCKKK	
YTILRFILGLAKVALI	
KRKYTILRFILGLAKVALIKR	
LA KRKYTILRFILGLAKVALIKR	
KRKYTILRFILGLAKVALIKR	
GNLVRICLGAVILIILAGFLA	
LA GNLVRICLGAVILIILAGFLA	

GNLVRILARAILILIKILAG	
LA GNLVRILARAILILIKILAG KKGNLVRILARAILILIKILAGKK	
YEALKILRRILRVILAGG	
YEALKILRRILRVILAGG	
LA YEALRILRRILRVILAGG	
NALRAVAGAALAAVAAG	
NALRAVAGAALAAVAAGKKK	
CSDLTMEAC	US 2006/0223756
CPWPYKYSC	
CFGGNFHRC	
CLTTSQQTC	
CTANSGSFC	
CQEPLDESC	
CQMSMFARC	
CPLTPKAYC	
CNNSHTALC	
CLSSDITLC	
CLTHGPKYC	
CLGKDLRTC	
CAPKTHPLC	
CPTGLMKYC	
CTWKAPLQC	
CSHILGPSC	
CLSTSQYSC	
NGYEIEWYSWVTHGMY	U.S. Pat. No. 6733755
CNGYEIEWYSWVTHGMY	
YLTMPTP	U.S. Pat. No. 6559126
WPTPPYA	
TPHNTVS	
SLPAHAR	
HSSLQTP	
YSIPKSS	
ALQPRYL	
RGDX	U.S. Pat. No. 5744515

REDV	
WQPPRARI	
NGRX	U.S. Pat. No. 6974791
CELRGDGWC	
GCHSSTWRACG	US 2003/0166004
GCPTPHSGTCG	
GCMNQHSSACG	
GCDSHKRLKCG	
YPAIHYL	US 2003/0166004 A1
SLHSKAYERPLS	
QLPHTVL	
ETPLQKS	
LARDVQI	
KLPVLYA	
VNPHYLQ	
QHYNIVNTQSRV	
LPIVKAL	
QSHYRHISPAQV	
DLNYFTLSSKRE	
CYQLNTSQC	
GSELYGL	
QLWAPPW	
YIGSQTNERYSP	
FHVNPTSPTHPL	
RADALNSHLSSP	
LPPEELHRSRLL	
KNLNTTAMYAAS	
NYHLTHPHILKT	
FAIPLVP	
SVSVGMKPSPRP	
GQSPHSYQPRTY	
AQPNWTSLRSLP	
LPTPGYH	
HYISPAWPTPPA	
QHANHQAWNNLR	

TLPHTRL	
GSLNESWLSSKF	
YHKPPSPTPLPA	
HS ITKPL	
GETRAPL	
MPAVMSSAQVPR	
APIHLHSKPLLH	
ERSWTLDSALSM	
IPLVP	
STGKPYMMLTGV	
GSHNPHL	
AKALYSANAPAV	
NHWASPR	
WSPGQQRLHNST	
TTGQAWR	
KPLNMTLWPHPI	
LIPGYSTSYQLS	
STASYTR	
MPAVMSSVQVPR	
ALLTGPR	
HHEPGAWLPLSP	
CVARGAQTC	
ATGTNPPGSALS	
ALHSARV	
DSSNPIFWRPSS	
FYRHDTYNTHHT	
HTKQIPRHIYSA	
HAIYPRH	
LNHHLGF	
CQLLSARSC	
ATTHRDVQNAFR	
QTNDTSRQPSYR	
AALSMPP	
HYQHNTHHPSRW	
SHHIPSYQWPLH	

SVQLQQQ	
LVSKPYSLTKGI	
QTAGKFNSAAHP	
HSMPYGLVSGSK	
THHTLFS	
QPWPTSI	
TPTLIKG	
TTVYPARWGAHP	
CNNQMLERC	
GTTTWLY	
LAHNRTS	
SNQWYAS	
WAPGSMPTSRLA	
GPLWSSN	
DLQSGPMLYWAN	
FPLLPGPHLSPQ	
QPPSINLTLYPM	
CPTPHSGTC	
AMNPRNHSDPSV	
SVLPSMRLYTQP	
SNALTDPSRYP	
HKAPSPKFDWVP	
CHHAWPRGC	
TNIPHVTIDAQP	
CHSSTWRAC	
WPKIQNELPPGR	
HPVDAHV	
QPPRSTS	
CSEWGPNVC	
TTAYPARWGAHP	
GLAPRSA	
SNYNLPV	
GKTDPLTSAFL	
ILANDLTAPGPR	
AWKSPSKLTC	

YPMRAPTSQARH	
ATRAHQAPHYPP	
TTVQQTV	
WNRSPAFSGPYL	
VSTTTTR	
LPTATHPMPHHT	
CSRFNPDWC	
VSRHQSWHPHDL	
LPIAKAL	
CMNQHSSAC	
HDVKYRLTSVE	
CTMKNGPSC	
CERMWRSYC	
YLPLVTPSYDPG	
LTNNANTINKSA	
ANKLTSY	
TMGFTAPRFPHY	
TNKDRHTYPYWA	
VASPERTSPAFP	
THLPWQT	
GPHLMLQNKLR	
AAQTSTP	
SMVYGNSLPSAL	
SSLEPWHRTTSR	
APQLPWSARPAV	
SHPWNAQRELSV	
LLADTTHHRPWT	
SNTAAPKPNTTH	
MHALNTNAPATW	
TLHTGTY	
AWWWNPPLAY	
AMSTGHNSGPSV	
HMLNYKIRSGGP	
QPMQTRSTQLAS	
WALDRGA	

VAKHEGVSLLRI	
YAYEAMKPTPTP	
RAAGSMPTPRLA	
TPQNGPSTPMHA	
TEQSWIQIIYAR	
NHTISQSHPTLG	
ANNASPT	
ATWSHHRSSGAL	
HNTTPL	
S PATRNHMYTQD	
CLLNKVGQC	
GPYRTGQAMTAL	
CSLHPLRHC	
TLSTQSV	
QLFTSAS	
VYPHPER	
AETTAPL	
CSPKSLWSC	
CTPQTKHRC	
YGPHLMLQNKLR	
CKPSDTRLC	
THSPGLNTPGER	
DTPTHATNALPA	
MQTGAPL	
GSSNATT	
CTASHTVTC	
HVIYPRH	
HKAPSPKGDWAP	
SQWHPRSASYPM	
CKSDRTTHC	
CHSAKSAPC	
YASAGMKPSPTP	
EHLRMHSGHYFT	
SHSITSKFSV	
CCSCPNQLC	

LDDNQDGGHTPT	
ANYFLPPVLSSS	
ELYTPTELAPAR	
GTYLYSSKQHMS	
AETTPRV	
LTAETHAYILS	
CLSNNGKHC	
SNPWSAQRELSV	
CPNLTSARC	
AQVTVLGSPLPT	
APTQGSPLPRML	
NPNEREATNTAH	
GETPAPM	
CNHSGLLRC	
VTSPAAPIHSAD	
SLPASWRSMPP	
STLHPGRPSSHP	
DCNDKRKPTGDGGPLS	
KNLNTTGMYAAS	
KFIPGTY	
KMPHFTLSKVWA	
TNPQPSL	
AGTGKWQPRG	
YTYTSYSNSSRA	
NKVTNGGAAQR	
HLQTPQPEHNNL	
TMDATTPQVTHY	
GMSRFNLDPTPA	
SYSQHYGIPNPW	
EGPPLSR	
QPASDYATWPRS	
ATTHRDVQNAFR	
YWAATMP	
HHPWRTA	
GLCQSIMRERLS	

GDRLIVP	
SVSVEVKPIPTP	
TLPAFGPRAHVL	
QYLENNRWKVPS	
QSLHQRL	
LTLSPSA	
QSANLLNPAKTM	
YPMRAPTSQAWH	
IVPLHLV	
WVEVHYL	
SPHPSSK	
CLTSPMGKC	
GRLVPPL	
AITLAP	
SPNFSWLPLGTT	
VATPAHH	
QVADTTQNTTGT	
SFKPPANHHAWY	
SDQLLLLSSANW	
APAHPLT	
AMSPRHHSGPSV	
IPLPPPSRPFFK	
LSTHTTESRSMV	
KPYNLYSGANQP	
CNANSMRLC	
CGHKNQFHC	
ALQRISPPQHWM	
RAPASMPTARLA	
ANHLNPNASRVL	
DLNELYLRSLRA	
TMPNMGP	
AMNPVSP	
WR4PRATDVNLR	
HEGTRSTASYPK	
TAPPTWLQTQWA	

AFPVSHN	
CETQAPMNVCPLC	
NNQLSDV	
CTCRPNNMC	
CSKSYEYNC	
CASNLTAYY	
TTHHYGYKSGY	
QLSWNNRRFSI	
QSPVNHHYHYHI	
LRLIGLRAPYS	
RLHSDRALMID	
CTQMRTAYC	
WPQKAQP	
CLMRFRRC	
TEQSWIRILCAWWR	
MWPTTTHSSPYH	
SSNSELWPLLSA	
HYTADKRHAERL	
YPMRAPTCQAWH	
GLGASYWWR	
MLFYPRP	
NHHHQPLARNQS	
ETANLRLQWGHS	
CRSDPPRWC	
SPTSKVP	
AWLTGPRALGPLC	
CWTSAHAPC	
CSGKWQPRC	
CYQKMNPQC	
CTSKTISAC	
SPFRAPT	
SCSYCLKSSTDL	
YPPRAWDTPHPH	
CYYAHDATC	
ARYHTHM	

AWNTHGWASVTS	
SPVWRSTTNGEA	
GITPSMAPGQRP	
LTPVPGQ	
AWRPYQNADYTF	
QHYNIVNTQSRV	
CINWARSAC	
GSPGQQRAHNST	
QTQALYHSRQVH	
HTNTKPL	
QALSWR	
TPSWTSRPMAMP	
TSFQNLS	
EHPTWIAPAAPT	
IPTLPSS	
HQITQPRSLLSP	
DETRAPL	
AGDTTHGIPC	
KQLTSPPQLNPV	
RSPEQQRMHNST	
TMNMQPMAAGPG	
SYTTSLK	
KVITIWQ	
GLQARHI	
MPKYYLQ	
WHISPLTHTSLV	
CDSHKRLKC	
TEQHW1KNIYAR	
DGTIGLR	
TKTYPPRGGAQS	
AAPRPYR	
TPIGNKSPKSHA	
NATLQSWVRDAR	
NQDVPLF	
SAPLASF	

EANSLAPLAPIW	
HAIYPRQ	
LPSQMYLGPDRS	
CQKGHPSSC	
CWTTRTVAC	
GSHDWKR	
AWKPQPSQFSAS	
QPELPTRLLRSL	
CMSTMMRSC	
CVKSHAGTC	
ALPNPPWTSHTA	
NMHKELT	
AWPPPSMGPLAY	
THPLHTNLPPTS	
TKNMLSLPVCPG	
HSGNIHQPLRSM	
GWSSYRG	
SVCGMKPSPRP	
LLPDRNNAYSDT	
YYPASSTIQSRP	
NLTIASYPSWV	
TIPRITTPTSWV	
HPSLHALQGDHV	
TFINPSH	
HGLPVTTRGAFG	
WPSSYLSPIPYS	
HIWSRPMFYSPA	
CSCSNTKWC	
TWPHSIG	
SGMSAPYTTVTA	
HWDPFSLSAYFP	
HHLRTDMRWWAT	
TPLGPILRNAHS	
YYPAGSTIQSRP	
LPPWKHKTSGVA	

DMKSTIPAPTGG	
TLNMHKLHLPDS	
CPSTLRAQC	
AETRAPL	
ADYRSSVGGGK	
MPTMASS	
HNMVPSLLSTSK	
EETSAPL	
DMVQTSTRRLAL	
CTNNHANIC	
SDTISRLHVSMT	
HSIHSALTALAG	
HLFPQSNYGGHS	
FGNSDKLQTRAF	
RPLPPTP	
APTPRVAPLPVG	
SWPLYSRDSGLG	
MPLQRTL	
WTVQTPTMLPMM	
CIRMDGQKC	
VRDSVTVNSRHS	
SPFRAPP	
APPTSRQAGDGV	
LPSAPRP	
YWAQSSNGAARL	
VYKPPGG	
TNTSWMTAMTPF	
ARQQTTATTCGC	
QPRPTSI	
TSSKAMS	
WPTLPYT	
DCKPTTPTHC	
DAADPPHVLTLT	
AFATSYSNLHDT	
GGLLAV	

CLTDVGRAC	
AQAKYWSYTKTT	
HPNQADLPPGGL	
RALMDMPAHRHA	
TSVTMSSNEAWM	
CYALKPPEC	
QLSGMLEWQNLR	
CPDPTTRLC	
LPRDLHATPQQI	
CDLPTSRIC	
YHHNPYYQGAHD	
CLLDDLRKC	
AIPSVP	
KIIPETY	
TTMFSTQSQKVP	
MNDHKTPNSSLR	
VPPLLPL	
ELKLTSAPAHTR	
FMKSPIPAPPGG	
APIHLHSEPLLH	
CYGSTHHQC	
EPHRTTW	
GNTPSRA	
HPPTHNTAPWHA	
HDTYTAH	
TVS INLPTSTMR	
HSTKANSMLTIA	
DGTRAQDAGGRP	
YTPQKKIERAFG	
NPFNQHLHAQHP	
DHHSSTCRASAGC	
HPHQASGWTSPP	
WPTNAAHSLYRL	
SDSAGMKPSPTP	
GGVDAEW	

YERPLHRLSSID	
SSSDNHLAQLHT	
TYAQLPI	
DSGYHRAPRPWP	
HDEGRRG	
SAHGTSTGVPWP	
ALHSARE	
MDNQDGMNACAG	
RPSSYMYAIPYR	
STMPKFN	
TVKAGWPYEDVP	
SHALPMTWSTAA	
AADYRSSVGGGK	
VLPWYSP	
CTDGPESEC	
QRLIQDSVALWP	
AGPLQPS	
SMVYGNRLPSAL	
WPLGDYP	
CKHFRTMSC	
HQITQPTSLLSP	
TKTAASF	
GETRAPV	
DARHQSWHPHDL	
LQPGHSVHNFSK	
CMWLSQRAC	
GGSLVAKATAPN	
CPGVHRSTC	
CFLPDGVRC	
LPVSKSVTQSHT	
NRAATMP	
QPHLTNPGPRHL	
MDAKNPLGPTTY	
YVSAGMKPSP	
KLQTYNPHFRNP	

SGLPHLSLNAPR	
MHRSDLMSAAVR	
DLIKYPPVTAWS	
STYTNRA	
HGHPYQHLLRVL	
VPAWPAHQKLAK	
STWSHHLSSAGL	
CTHSKSSQC	
QGYRPILPSHFL	
VPPINAVQVPFP	
WTSKDVSILSPA	
TPHKPLTSSSGP	
TPAAPYATFGAP	
ESLHQRL	
IDNHMQL	
CLDKPRFLC	
CNMNRYNTC	
CSSQYRPYC	
APRLPQSLLPQL	
TRVQLLH	
MPMVPPK	
TPGNSFLDHMKQ	
GLPKNMFWDASS	
TTAAVDMPRSTP	
GLQGRHI	
YLTMPTP	
CQHGRSSYC	
TQYFYLP	
TFLNSLV	
STSKTLTDLFSYA	
AQDVTKNGLRRW	
ATGHPVWHWHSS	
GETHAPL	
GMWFSGL	
LIAHSMPPRTRI	

GGTRAPL	
SPAANGPQPRPL	
NAHLHITPRSTL	
NPSSKQILSQVP	
KVLHSDRALMID	
CPLSSHPGC	
QPSKHISEARGF	
SSKIQVSPATVP	
ADWHRTSTSPMS	
EYSLYRILHMDE	
GDTNNPGKRSQI	
ALQHQRAFQHQR	
HPMADHR	
TQANAFSPAPRV	
GITSAAT	
CQSVPSDRC	
QAHLEKTAVPRM	
HATPQKPLHSRM	
CLSLKYQSC	
YPTRAPTSQAWH	
WETRAPL	
NEHKDARSPHSP	
ITMPWHDTERSH	
AKHVTAPHIREV	
CNWLLRTPC	
GTLQLHNTHNST	
CHWPMSASC	
QDALLAAPVISK	
YHMPPSATPLTA	
CHSGRSEHC	
WLKDSRAAWIRH	
AILRPQLMPGSS	
CGRINYGTC	
GSPPRTP	
SHSLALLDSVAS	

CTQAFLPFC	
CLPMNNALC	
LDYHQAWGHTRA	
FGIHAKYPSPIY	
IPNDLNPRQLRG	
DQRDYHYGRGGT	
CLSNNIVKHC	
NMFGSLTSHVTA	
YWPRPDDSFWRP	
CTKTQLHVC	
MNVLSSSASTES	