



B. Alignment of AN3739 (*snxAI*) with human hnRNP-M

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AN3739_snxA_484aa  MPYGDYEYDTRDRAQRESRSPRRSRSPRRSRRSYSSPRSRSRDRDDYR
hnRNP_M_730aa_Human MAAGV-EAAAEVAATE-----
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AN3739_snxA_484aa  RSDRRSRSPMSAAQGPSGGHSGSGYSSGSYPPPPR--SFEDRAVAKEQ
hnRNP_M_730aa_Human -----IKMEEESGAPGVPSGNGAPGPKGEGERPAQNEKRKEKNIKRGG
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AN3739_snxA_484aa  MMQSVRESSQDRRVYVGNLSYDVKWHHLKDFMRQ-AGDVIFADVLLLPN
hnRNP_M_730aa_Human NRFEFYANPTKRYRAFITNIPFDVKWQSLKDLVKEKVGVEVTVVELLMDAE
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AN3739_snxA_484aa  GMSKGCGIVEYATREQAONAVNTLSNQNLMNRLVYVREDREPEPR-FSGG
hnRNP_M_730aa_Human GKSRGCAVVEFKMEESMKAAEVLNKHLSLGRPLKVKEDPDGEHARRAMQ
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AN3739_snxA_484aa  PSRGDFGGPGRGGGYGGGGGG-----
hnRNP_M_730aa_Human K-----VMATTGGMGMPGGPGMITIPPSILNPNIPNEIIHALQAG
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AN3739_snxA_484aa  --GRQLYVSNLPFNVGWQDLKDLFRQAAQQTVIRADVHTDASGRPKGSG
hnRNP_M_730aa_Human RLGSTVTFVANLDYKVGWKKLKEVFSMA--GVVVRADILEDKDGKSRGIG
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AN3739_snxA_484aa  IVAFESPDDARNAIIQFNGYDWQGRTEVREDRFA-----
hnRNP_M_730aa_Human TVTFEQSIEAVQAISMFNGQLLFDRPMHVKMDERALPKGDFPPPERPQQL
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AN3739_snxA_484aa  -----GSGPGMGRGGYGGFGGRG-GFGGRGGF
hnRNP_M_730aa_Human PHGLGGIGMGLPGGQPIDANHLNKIGMGNIGPAGMMEGIGFGINKMG
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AN3739_snxA_484aa  GCRGCGFGGGFGCRGCGFGG-----GYGGPPS
hnRNP_M_730aa_Human GMEGPFGGGMENMGRFGSGMNMGRINEILSNALKRGEIIAKQGGGGGGGS
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AN3739_snxA_484aa  GPGFD-AGPSVP-----
hnRNP_M_730aa_Human VPGIERMGPIDRLGGAGMERMAGLGHGMDRVGSIERMGLVMDRMGSV
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AN3739_snxA_484aa  -----
hnRNP_M_730aa_Human ERMGSIERMGPLGLDHMASIERMQTMERIGSVERMAGMGFLERM

AN3739_snxA_484aa  -----PNPF
hnRNP_M_730aa_Human AAPIDRVGQTIERMGSVERMGPAIIERMGLSMERMVPAGMGAGLERMGPV
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AN3739_snxA_484aa  TDYAT-----
hnRNP_M_730aa_Human MDRMATGLERMGANNLERMGLERMGANSLERMGLERMGANSLERMGPAMG
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AN3739_snxA_484aa  -----S
hnRNP_M_730aa_Human PALGAGIERMGLAMGGGGGASFDRAIEMERGNFGGSFAGSFGGAGGHAPG
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AN3739_snxA_484aa  GGEKSNTIYVRNLPWSTCNDLVDLFSTIGKVERAEIQYEPNGRSRGTGV
hnRNP_M_730aa_Human VARKACQIFVRNLPDFFTWKMLKDKFNECGHVLYADIKME-NGKSKGCGV
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AN3739_snxA_484aa  VQFDNADTAETSIAKFTGYQYGGRPLGITFVKYLTPAQGPADPMDDAQPT
hnRNP_M_730aa_Human VKFESPEVAERACRMMNGMKLSGREIDVR-----
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AN3739_snxA_484aa  GGLTQDQIM
hnRNP_M_730aa_Human ----IDRNA
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Figure S6 Alignment of SNXA cDNAs with *S. cerevisiae* and human homologs. Sequences were aligned using TCOFFEE (<http://www.ebi.ac.uk/Tools/msa/tcofee/>). A. Alignment of two alternative SNXA cDNAs with *S. cerevisiae* HRB1/GPB2.

Magenta denotes alternative N-terminal peptides in SNXA cDNAs. Green, RNA Recognition Motifs (RRM); aqua in SNXA and yellow in HRB1/GBP2 denote N-terminal SR dipeptides; gray and red indicate RGG tripeptides in HRB1/GRB2 and SNXA, respectively. B. Alignment of a SNXA cDNA with human hnRNP-M. Colors as in A., except that yellow in hnRNP-M denotes RMG/RVG/RIG/RMA/RMV tripeptides.