

Supplementary Material

Immunolocalisation and oestrogen regulation of small proline-rich protein 2a protein in the mouse uterus

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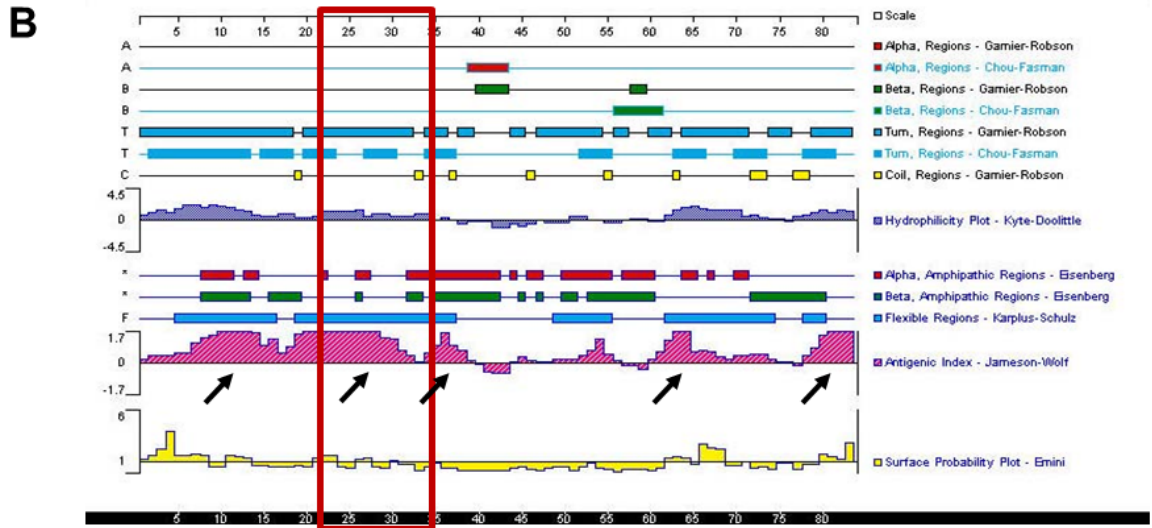
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	Head Domain	Central Repeating Domain	Tail Domain	
M2a	SYQQQCNQPCRPVPCPP	<u>PKCPEPCPP QAWFGPCRPV</u> MCFEPCLP SVWPGPCRP VVCYEQCPP	-----QPWQSTCPPVQF--PPCQQK*	82
M2b	SYQQQCKQPCQPPVPCPP	PKCPEPCPP PKCPEPCPP PVOCEPCPP PKCPEPCPP PVOCEPCPP PVOCEPCPP	-----QPWQPKCPPVQF--PPCQQKCPPKKNK	97
M2c	SYH*			3
M2d	SYQQQCKQPCQPPVPCPP	KKCPEPCPP LKCPEPCPP PKCPEPCPP PKCPEPCPP	-----EPCPP PSCQQKCPPAQPFPCCQQKCPPKSK	84
M2e	SYQQQCKQPCQPPVPCPP	KKCPEPCPP PQCPEPCPP PKCPEPCPP	-----EPCPP PSYQQKCPPVQPPPCQQKCPPKSK	75
M2f	SYQQQCKQPCQPPVPCPP	PKCPEPCPP SVCPEPCPP PKCPEPCPP	-----EPCPP P8FQQKCPPVQPPPCQQKCPPKSK	75
M2g	SFQQQCKQPCQPPVPCPP	PKCPEPCPP PKCPEPCPP PKCPEPCPP	-----EPCPP SPCQQKCPPVQTPPPCQQKCPPKSK	75
M2h	SYQQQCKQPCQPPVPCPP	PQCPEPCPP PKCPEPCPP PKCPEPCPP PKCPEPCPP PKCPEPCPP PKCPEPCPP PKCPEPCPP	-----EPCPP PSYQQKCPPVQPPPCQQKCPPKSK	107
M2i	SYQQQCKQPCQPPVPCPP	KKCPEPCPP PQCPEPCPP PKCPEPCPP	-----EPCPP PSYQQKCPPVQPPPCQQKCPPKSK	75
M2j	SYQQQCKQPCQPPVPCPP	RSAQSPLVC QASAPLVL QASAPLVC QASAPLVC QASAPLVC QASAPLVC QASAPLVC QASAPLVC QASAPLVC QASAPLVC	-----EPCPP PSYQQKCPPVQPPPCQQKCPPKSK	108
M2k	SYQQQCKQPCQPPVPCPP	PKCPEPCPP	-----PKCPEPCPP PKCPEPCPP PQCQRKCPPVLE--APCQQKCPPKSK	67



Supplemental Figure 1. Amino acid sequences of mouse *Sppr2* family genes (M2a-M2k) and antigenic prediction of *Sppr2a* protein.

Sppr2a peptide antibody was prepared against the CPPQAWFGPCRPVM (underlined) peptide (A). Red box indicates a region (CPPQAWFGPCRPVM) corresponding to the mouse *Sppr2a* amino acid sequence 26-39. High antigenic sites are indicated by arrows (B)