

Additional File 1

Primer for mutagenesis of human AQP4-M23 isoform.

Myc-Tag insertion- hAQP4 Loop A (position G ⁶⁰)	Sense Primer: 5`- TCAACTGGGGTGAGCAGAAGCTGATCTCTGAGGAAGA CCTGGGAACAGAAAAGC-3' Antisense Primer: 5`- GCTTTTCTGTTCCCAGGTCTTCCTCAGAGATCAGCTTC TGCTCACCCCAGTTGA-3'
Myc-Tag insertion- hAQP4 Loop C (position V ¹⁴¹)	Sense Primer: 5`- CCTCCCAGTGTGGAGCAGAAGCTGATCTCTGAGGAAG ACCTGGTGGGAGGCCTG-3' Antisense Primer: 5`- CAGGCCTCCCACCAGGTCTTCCTCAGAGATCAGCTTC TGCTCCACACTGGGAGG-3'
Myc-Tag insertion- hAQP4 Loop E (position G ²²⁵)	Sense Primer: 5`- GTTATCATGGGAGAGCAGAAGCTGATCTCTGAGGAAG ACCTGAATTGGGAAAAC-3' Antisense Primer: 5`- GTTTTCCAATTCAGGTCTTCCTCAGAGATCAGCTTCT GCTCTCCCATGATAAC-3'
Delta A3 (LPVD → AAAA) loop A	Sense Primer: 5`- GAACAGAAAAGCCTGCAGCGGCCGCCATGGTTCTCAT CTC-3' Antisense Primer: 5`- GAGATGAGAACCATGGCGGCCGCTGCAGGCTTTTCTG TTC-3'
N153Q loop C:	Sense Primer: 5`-

	ACCATGGTTCATGGACAACCTTACCGCTGGT-3' Antisense Primer: 5`- ACCAGCGGTAAGTTGTCCATGAACCATGGT-3'
H230G loop E:	Sense Primer: 5`- GGGAAATTGGGAAAACGGTTGGATATATTG-3' Antisense Primer: 5`- CAATATATCCAACCGTTTTCCCAATTTCCC-3'