

Supplementary Material:

Table B

Alignment of the N-termini of ATP7B from 24 species

Species	#aa N-F37	Signal	E45-MBD 1	#aa
human	36	FAFDNVGYE-GGLDGL-GPSSQVATSTVRIL---		20
rat	35	FAFDNVGYE-GGLDST-CSS-STTTGVVSIL---		19
mouse	47	FAFDNVGYE-GGLDST-SSS-PAATDVVNIL---		19
dog	4	FAFDNVGYE-GGLDSV-CPP-QTATSTISIL---		19
sheep-1	92	FAFDNN GYE -DDLDGV-CPS-QTAAGTISIV---		19
sheep-2	31	FAFDNN GYE -DDLDGV-CPS-QTAAGTISIV---		19
monkey	36	FAFDNVGYE-GGLDGL-GPSSQVDTSTIRIL---		20
elephant	19*	FAFDNVGYE-GSLDSA-SPPSQMATGTVSIL---		20
cow	92	FAFDNN GYE -GGLDGV-RPS-HTATGTINIV---		19
horse	142**	FAFDNVGYE-DSLGV-CPS-QTSTGTISIL---		19
Eur.rab	19*	FAFDNVGYE-GGLDSM-CPS-PTTGIVSIL---		19
cat	21*	FAFDNVGYE-GGLDSV-CPS-QTTTGTISIS---		19
oppossum	93**	FSFDNKAFE-GSLHSL-ASL-PISSSSISTSLINIL		24
w.h.hog	19*	FAFDNI GYE -DGLDSL-CHS-QVASSILSIL--		19
less h.hog	19*	FALDN AGYE -SSSENSV-----ATSTVHIV--		14
bushbaby	19*	FAFDNI GFE -GSPDGL-CPSPVATNLIRIW---		20
treeshrew	19*	FAFDNI GYE -DGLDSV-YPSSATATTNISIL---		20
guinea pig	19*	FAFDNI GYE -GGVDSL-CPS-PTVTSTIGIL---		19
bat	19*	FAFDNVGYE-GSLDGM-CPS-ETISGTISIS---		19
grd. squir	19*	FAFDNVGYE-GGLDGM-CPS-QTATGTFSIQ---		19
platypus	29*	FAFDNVGYE-ESLDEL-LPR--ASTGVINIL---		18
jungle fowl	103	FAFDNM GYE -ESFEAMPSPSSQERTVAISIL---		21
zebrafish	73	HAFDNF GYE EPDGLKHNLVHQLPSEEGMVKIQF---		23
xenopus	12*	CAF DN RGYE -GSPDDL-CSL-PDDVGSVVVVAIQ-		21

Table B. *predicted sequence starts at exon 2, from ENSEMBL database.
 ** predicted sequence from ENSMBL. The following are from the NCBI protein database: human, GI:55957861; rat, GI:158138532; mouse, GI:148700963; dog, GI:66801769; sheep-1, GI:12643938; sheep-2, GI:2739170; monkey, GI:109120840; cow, GI:119920795; red jungle fowl, GI:118084914; zebrafish, GI:125818313.