

Appendix IV

Hyperlinked GenBank protein accession numbers for mammalian Slc4 variants (see Sections V and VI)

In this appendix we provide a list of GenBank protein accession numbers for the mammalian NCBT sequences referred to in the review. Each accession number is hyperlinked to its corresponding entry on the NCBI database (1). Not all variants have been cloned from all species.

Table 1. GenBank protein accession numbers for NBCe1 variants.

Gene	Variant	Species	Protein	Comments
NBCe1	A	Human	AAC51645	
		Mouse	ADM25849	
		Rat	AAC40034	
	B	Human	NP_001091954	
		Mouse	NP_061230	
		Rat	AAF87553	
	C	Human	ABQ43327	
		Mouse	NP_001129732	
		Rat	AAF87312	
D	Human		Not deposited	
	Mouse	ADP37962		
	Possum	ABW70835		
	Rat		Not deposited	
E	Human		Not deposited	
	Mouse	ADN95183		
	Possum	ABV79903		
	Rat		Not deposited	

Table 2. GenBank protein accession numbers for NBCe2 variants. Of the six variants, only NBCe2-a and NBCe2-c have been reproducibly cloned from multiple sources. Only At present accession numbers are not available for NBCe2-a from mouse or rat.

Gene	Variant	Species	Protein	Comments
NBCe2	a	Human	NP_067019	
		Mouse		Not deposited
		Rat		Not deposited
	b	Human	NP_201580	Includes sequence that disrupts TM14
	c	Human	AAK97072	
		Mouse	NP_001159539	
		Rat	AAS98674	
	d	Human	AAK97073	Lacks sequence that encodes critical transmembrane spans
	e	Human	AAL48291	Probable cloning artifact
	f	Human	AAL50802	Probable cloning artifact

Table 3. GenBank protein accession numbers for NBCn1 variants. Sequence variants designated with a prime differ from those without a prime designation by the inclusion of four amino acids ‘VTSR’ before the second exon (see sequence alignment in Appendix V).

Gene	Variant	Species	Protein	Comments
NBCn1	A	Human	NP_003606	
		Mouse	AFR46595	
		Rat		Not deposited
	B	Human		Not deposited
		Mouse	AFR46591	
		Rat	AAD46389	
	C	Human		C' version: ACH61962 (annotated as NBCn1-C)
		Mouse	AFR46592	
		Rat	AAF14345	
	D	Human		D' version: ACH61960 (annotated as NBCn1-D)
		Mouse	AFR46593	
		Rat	NP_478118	
	E	Human	ACH61961	
		Mouse	ADC92005	
		Rat		Not deposited
	F	Human	NP_001245309	
		Mouse		Not deposited
		Rat		Not deposited
	G	Human	NP_001245308	
		Mouse	AEY79769	
		Rat		Not deposited
	H	Human	ACH61958 (annotated as NBCn1-Ha)	H' version: ACH61959 (annotated as NBCn1-Hb)
		Mouse	AFR46594	
		Rat		Not deposited
	I	Mouse	ADC92004	
	J	Mouse	ADO51787	
	K	Mouse	ADO51788	
	L	Mouse	AFB82586	

Table 4. GenBank protein accession numbers for NDCBE variants.

Gene	Variant	Species	Protein	Comments
NDCBE	A	Human	AAY79176	
		Mouse	NP_067505	
		Rat		Not deposited
	B	Human	NP_004849	
		Mouse		Not deposited
		Rat		Not deposited
	C	Human	ABJ09587	
		Mouse		Not deposited
		Rat	EDL85922	
	D	Human	ABJ91577	
		Mouse		Not deposited
		Rat		Not deposited
	E	Human	BAA34459	

Table 5. GenBank protein accession numbers for NBCn2 variants.

Gene	Variant	Species	Protein	Comments
NBCn2	A	Human	NP_071341	
		Mouse	NP_001229310	
		Rat	AAS89264	rb5NCBE
	B	Human	AAQ83632	
		Mouse	NP_001229309	
		Rat	AAO59640	rb1NCBE
	C	Human		Not deposited
		Mouse	NP_001229308	
		Rat	AAS89263	rb4NCBE
	D	Human		Not deposited
		Mouse	NP_001229307	
		Rat	AAO59639	rb2NCBE
	rb3	Rat	AAS89262	

Two other variants only described in rats are rb6NCBE ([AAS89265](#)), which is unlikely to encode a functional transporter and rb7NCBE ([AAS89266](#)) which, if not a target for nonsense mediated decay, is predicted to encode an isolated Nt.

Table 6. GenBank protein accession numbers for select NCBT-related protein variants that are discussed in the review.

Gene	Variant	Species	Protein	Comments
AE1	e	Human	NP_000333	
		Mouse	NP_035533	
		Rat	P23562	
	k	Human		Not deposited
		Mouse		Not deposited
		Rat	AAH85748	
AE2	a	Human	NP_001186621	
		Mouse	NP_033233	
		Rat	P23347	
	b1	Human	NP_001186623	
		Mouse	AAG23156	
		Rat		Not deposited
	b2	Human	NP_001186622	
		Mouse	AAG23155	
		Rat		Not deposited
	c1	Mouse	AAG23157	Rodent-specific variant
		Rat	EDL99360	
		Mouse	AAG23158	Mouse-specific variant
AE3	b	Human	NP_005061	
		Mouse	NP_033234	
		Rat	P23348	
AE4	c	Mouse	AAG25583	
		Human	NP_113655	
		Mouse	EDK97160	
BTR1	a	Human	NP_114423	
		Human	NP_001167561	
		Human	NP_001167560	
	Not a, b, or c	Mouse	NP_001074631	
	Not a, b, or c	Rat	NP_001101245	

References

1. **Sayers EW, Barrett T, Benson DA, Bolton E, Bryant SH, Canese K, Chetvernin V, Church DM, Dicuccio M, Federhen S, Feolo M, Fingerman IM, Geer LY, Helmberg W, Kapustin Y, Krasnov S, Landsman D, Lipman DJ, Lu Z, Madden TL, Madej T, Maglott DR, Marchler-Bauer A, Miller V, Karsch-Mizrachi I, Ostell J, Panchenko A, Phan L, Pruitt KD, Schuler GD, Sequeira E, Sherry ST, Shumway M, Sirotkin K, Slotta D, Souvorov A, Starchenko G, Tatusova TA, Wagner L, Wang Y, Wilbur WJ, Yaschenko E, and Ye J.** Database resources of the National Center for Biotechnology Information. *Nucleic Acids Res* 40: D13-D25, 2012.