

Nickell WT, Kleene NK & Kleene SJ (2007). Mechanisms of neuronal chloride accumulation in intact mouse olfactory epithelium. *J Physiol*

Supplemental Material

SM-Table 1. Conditions for the RT-PCR survey of Cl⁻ transporters and positive control genes

Name	Expected Product size (bp)	Primer Sequence	Annealing Temp. (°C)	Reference or Accession number
<i>Slc4a1</i> <i>kAE1</i>	512	5'GCTGGTGGCTTAGCTAAGCAG	70	Sahr <i>et al.</i> 1996; Papageorgiou <i>et al.</i> 2001
		5'CAGCGATGGCTGGTGAGGAAG		
<i>Slc4a1</i> <i>eAE1</i>	533	5'GAGACCTAACCATCCCTGTGAC	61	Papageorgiou <i>et al.</i> 2001
		5'CAGCGATGGCTGGTGAGGAAG		
<i>Slc4a2</i> <i>AE2</i>	569	5'TCTCGACCTGTTGCTCATTG	61	Lecanda <i>et al.</i> 2000; NM_009207
		5'GCTCTGCCTCATTAGCATCC		
<i>Slc4a3</i> <i>AE3</i>	570	5'CTCGTGGTAGGCTTCTCTGG	61	Alper <i>et al.</i> 2002; NM_009208
		5'CACCGTCAGCTTCTGTGTGT		
<i>Slc4a9</i> <i>AE4</i>	515	5'TGGTGGTGTTCGTCCTTACA	64	NM_172830
		5'TGACGCCAGCTAATTCACAG		
<i>Slc4a10</i> <i>NCBE</i>	345	5'CACTGGAGGGACACTACAGAGAC	61	NM_033552
		5'GGATGGGAGAGAGGGTTTACAA		
<i>Slc12a1</i> <i>NKCC2</i>	152	5'GGAAGGCTTCTTCTCGGTCT	61	Mount <i>et al.</i> 1999; NM_183354
		5'CTATGTAGGCCACGGTGGTG		
<i>Slc12a2</i> <i>NKCC1</i>	516	5'GGAAGCAAAGGCTCAGATTG	58	Randall <i>et al.</i> 1997; NM_009194
		5'AAGGGTGCAAATCCTGACAC		
<i>Slc12a3</i> <i>NCC</i>	521	5'CCATGGGGACATTTTTGTTT	58	NM_019415
		5'AGCCAATCAGAGGGTACAGC		
<i>Slc12a4</i> <i>KCC1</i>	597	5'TAGGGGCCATTGAGATCTTG	61	NM_009195
		5'CGATGTCAGCCACCACATAC		
<i>Slc12a5</i> <i>KCC2</i>	512	5'ATAGCCTCCCTGGATGAGGT	61	NM_020333
		5'TGTGGATGTTGTCCAGAAA		
<i>Slc12a6</i> <i>KCC3</i>	554	5'ACACTTCCCGGTCTGTATGC	58	Mercado <i>et al.</i> 2005; NM_133648
		5'CAGCATCCCCAAATTTGTCT		
<i>Slc12a7</i> <i>KCC4</i>	484	5'CACTGCATCCCATACCACAG	58	NM_011390
		5'CCAGAGCAGTGGCTATCACA		
<i>Slc12a8</i> <i>CCC9</i>	591	5'TCATCTTTGCCTTCTGCTT	64	NM_134251 NM_001083902
		5'GCTGACGACTCTCCAGTTCC		
<i>Slc12a9</i> <i>CIP1</i>	589	5'CTGAGTCTGGAGTGGGCTTC	58	NM_031406
		5'CGTAAAAACCGAGCACCAAT		

<i>Slc26a3</i> <i>DRA</i>	497	5'AAGAATTATGCCGAAGTGTATGAGCC	64	NM_021353
		5'TCATCATCGGTTCCCACAATATATACG		
<i>Slc26a4</i> <i>pendrin</i>	585	5'TGGCTTACGCTATTGCAGTG	58	NM_011867
		5'TGGGACTGGAAAATCTCAGG		
<i>Slc26a6</i> <i>PAT1</i>	469	5'ATCACCACAGGGCTCATACC	61	Xie <i>et al.</i> 2002; NM_134420
		5'CAAAGGTCACCAGCCAGATT		
<i>Slc26a7</i> <i>SUT2</i>	593	5'AGCTGGTCATGTTTGTGCTG	58	NM_145947
		5'AAATGAAGGGATCACGTTGC		
<i>Slc26a8</i> <i>TAT1</i>	577	5'CAAGGACTGGCTTCTTGAG	64	NM_146076
		5'GCTGGTAGAGTTCGCTTTGG		
<i>Slc26a9</i>	521	5'ATCCACTTCCCCATCCCTAC	62	NM_177243
		5'TAGGGGTCAGTGAGCTGCTT		
<i>Slc26a11</i>	587	5'CTGTCACAACAGCTCGCAAT	64	NM_178743
		5'TGGTAGCAGATCCAGCCTCT		
<i>ZIC2</i>	556	5'TTCCCTAGCCCACTTTCCTT	61	NM_009574
		5'AACGGCACAACGTTTACTCC		
<i>GKN1</i>	526	5'GGACCAAACCAGCCTTTGTA	61	NM_025466
		5'TGCAGGCGTGTGTTCTAGTC		

Conditions for the RT-PCR survey of Cl⁻ transporters and positive control genes. The expected size in basepairs (bp), the primer sequences, the annealing temperature, and the reference or NCBI accession number are given for each Cl⁻ transporter tested and for the two positive control genes (*ZIC2* and *GKN1*). The references describe the variants.

References cited in this table that do not appear in the main article:

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