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. ($^{\circ}$C)	Reference or Accession number
Slc4a1 kAE1	512	5′GCTGGTGGCTTAGCTAAGCAG	70	Sahr *et al.* 1996; Papageorgiou *et al.* 2001
		5′CAGCGATGGCTGGTGAGGAAG		
Slc4a1 eAE1	533	5′GAGACCTAACCATCCCTGTGAC	61	Papageorgiou *et al.* 2001
		5′CAGCGATGGCTGGTGAGGAAG		
Slc4a2 AE2	569	5′TCTCGACCTGTTGCTCATTG	61	Lecanda *et al.* 2000; NM_009207
		5′GCTCTGCCTCATTAGCATCC		
Slc4a3 AE3	570	5′CTCGTGGTAGGCTTCTCTGG	61	Alper *et al.* 2002; NM_009208
		5′CACCGTCAGCTTCTGTGTGT		
Slc4a9 AE4	515	5′TGGTGGTGTTCGTCCTTACA	64	NM_172830
		5′TGACGCCAGCTAATTCACAG		
Slc4a10 NCBE	345	5′CACTGGAGGGACACTACAGAGAC	61	NM_033552
		5′GGATGGGAGAGAGGGTTTACAA		
Slc12a1 NKCC2	152	5′GGAAGGCTTCTTCTCGGTCT	61	Mount *et al.* 1999; NM_183354
		5′CTATGTAGGCCACGGTGGTG		
Slc12a2 NKCC1	516	5′GGAAGCAAAGGCTCAGATTG	58	Randall *et al.* 1997; NM_009194
		5′AAGGGTGCAAATCCTGACAC		
Slc12a3 NCC	521	5′CCATGGGGACATTTTTGTTC	58	NM_019415
		5′AGCCAATCAGAGGGTACAGC		
Slc12a4 KCC1	597	5′TAGGGGCCATTGAGATCTTG	61	NM_009195
		5′CGATGTCAGCCACCACATAC		
Slc12a5 KCC2	512	5′ATAGCCTCCCTGGATGAGGT	61	NM_020333
		5′TGTGGATGGTTGTCCAGAAA		
Slc12a6 KCC3	554	5′ACACTTCCCGGTCTGTATGC	58	Mercado *et al.* 2005; NM_133648
		5′CAGCATCCCCAAATTTGTCT		
Slc12a7 KCC4	484	5′CACTGCATCCCATACCACAG	58	NM_011390
		5′CCAGAGCAGTGGCTATCACA		
Slc12a8 CCC9	591	5′TCATCTTTGCCTTCCTGCTT	64	NM_134251 NM_001083902
		5′GCTGACGACTCTCCAGTTCC		
Slc12a9 CIP1	589	5′CTGAGTCTGGAGTGGGCTTC	58	NM_031406
		5′CGTAAAAACCGAGCACCAAT		
Slc26a3 DRA	497	5′AAGAATTATGCCGAAGTGTATGAGCC	64	NM_021353
		5′TCATCATCGGTTCCCACAATATATACG		

Slc26a4 *pendrin*	585	5′TGGCTTACGCTATTGCAGTG	58	NM_011867
		5′TGGGACTGGAAAATCTCAGG		
Slc26a6 *PAT1*	469	5′ATCACCACAGGGCTCATACC	61	Xie *et al.* 2002; NM_134420
		5′CAAAGGTCACCAGCCAGATT		
Scl26a7 *SUT2*	593	5′AGCTGGTCATGTTTGTGCTG	58	NM_145947
		5′AAATGAAGGGATCACGTTGC		
Slc26a8 *TAT1*	577	5′CAAGGACTGGCTTCTTGGAG	64	NM_146076
		5′GCTGGTAGAGTTCGCTTTGG		
Slc26a9	521	5′ATCCACTTCCCCATCCCTAC	62	NM_177243
		5′TAGGGGTCAGTGAGCTGCTT		
Slc26a11	587	5′CTGTCACAACAGCTCGCAAT	64	NM_178743
		5′TGGTAGCAGATCCAGCCTCT		
ZIC2	556	5′TTCCCTAGCCCACTTTCCTT	61	NM_009574
		5′AACGGCACAACGTTTACTCC		
GKN1	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.