**PCR primers for ChIP experiments**

Tufm\_ChIP F : CAAGCGTCCAAAGGACTATTG

Tufm\_ChIP R : GATCTCCCAGCCTGTAAGAG

Mrp145\_ChIP F : CTTCTGATTTCAGAGGGAAGC

Mrp145\_ChIP R : GTGCGCAATGAAACCACTTTG

Slc38a2\_ChIP F : TCGTGATCATCAGGGGTAATC

Slc38a2\_ChIP R : GAAGCACCGCGCAAAGCTTC

Slc38a4\_ChIP F : GTGACTAGAAGTGAAGTAAACCAG

Slc38a4\_ChIP R : CAGCTGCTATCGTTCAAGGAG

**PCR primers for qRT-PCR experiments**

Slc38a2 RT F : CCTCAAGACTGCCAACGAAG

Slc38a2 RT R : GAAGAGGTAGCTTGACATAGCC

Slc38a4 RT F : CAGTGGGATCTTAGGCTTGTC

Slc38a4 RT R : GCCATCCAAATGCTTTCTCG

**PCR primers for imprinting tests**

Slc38a4 imprinting F : TAAGATCACCCCAGAAGATTG

Slc38a4 imprinting R : CCATGATAGAGCTAGAAAAACG