Supplementary Data 1

A

Exon 1
Asic2b

Chr10

Exon 1
Asic2a

Exon 2
Asic2a, 2b

Exon 12
Asic2a, 2b

B

WT  CCGCAGGGGGCGGCCGTCCCTGAGTCGACATAAATTGCACGGGCGCCCAGGCTCGCAGGCGACATGTCGCGCGGGGCGACGGCGGAGGGGAGGCTCTTTCCAGCGACGGCGCGGCTG
De1  CCGCAGGGGGCGCCGTCCTGAGTCGACATAAATTGCACGGGCGCCCAGGCTCGCAGGCGACATGTCGCGCGGGGCGACGGCGGAGGGGAGGCTCTTTCCAGCGACGGCGCGGCTGT

C

D

Met  S R S G G A R L P A T A L S G P G R F R M A R E Q P A P V A V A A A R Q F G D R S G D P A L Q G P G V A R G R G P S L S R T K L H G A H G G G G G R L F P A T G A V G A G L L H V P R L A A V L V L E P P A L L A Q L P V T H T S A P Stop  V E P P A A V F R R H R V Q Q Q P P A L P A P L Q G G P L L R G P L A R A A A S Q P H R A P A G Q R A A A G R A A A P P V V P V P Q T G R L P P L P A A A P L R G H Q R C L H G P F G P P A G G Y A A L L Q V P G R A L W P A Q L L L ...

E

Kidney