

**Characterization of 6-mercaptapurine transport by the
SLC43A3-encoded nucleobase transporter**

Nicholas Ruel, Khanh H. Nguyen, Gonzalo Vilas, James R. Hammond

Supplemental Table 1: PCR Primer Sequences

Gene Name	Primer Sequence (5' to 3')	Expected Product (bp)
<i>SLC43A3</i> <i>RT-PCR^a</i>	Fwd – GCCCAGGATGAGAGGTT Rev – GGAAAGTGCGTGCTACAT	400 ^c
<i>SLC43A3</i> <i>qPCR^b</i>	Fwd – CTTCTGGAGCTACGCTTTCT Rev – GGAGTTGAGAGTGCCAATGA	100 ^c
<i>GAPDH</i> <i>RT-PCR</i>	Fwd – ACATCATCCCTGCCTCTAC Rev – CCTGTTGCTGTAGCCAAAT	356
<i>GAPDH</i> <i>qPCR</i>	Fwd – GATTCCACCCATGGCAAATTC Rev – CTGGAAGATGGTGATGGGATT	87
<i>TPMT</i>	Fwd – GGAACAAGGACATCAGCTATTA Rev – CTGATTTCCACACCAACTACA	150
<i>HPRT</i>	Fwd – GTCTTGCTCGAGATGTGATG Rev – TCTACAGTCATAGGAATGGATCT	151
<i>SLC29A1</i>	Fwd – GAGCAGGCAAAGAGGAATCT Rev – GAGAAAGCCAGGACTGAGATATT	106
<i>SLC29A2</i>	Fwd – AAGTAGCTCTGACCCTGGAT Rev – GGAAGACAGTGAAGACTGAAGG	99

Molecular Pharmacology Manuscript # 114389

<i>SLC29A4</i>	Fwd – CAGACTTCGTGGGCAAGAT Rev – CAGGATGAAGAGGGTGATGAAG	107
<i>ABCC4</i>	Fwd – GGAGAGCCAAGATACAGAGAATG Rev – GAGCACCAGCTCTGAAGTAAT	107
<i>ABCC5</i>	Fwd – ACCATCCACGCCTACAATAAA Rev – GCATCGCACACGTAAACAAA	100

^a Qualitative reverse transcriptase PCR.

^b Real-time semi-quantitative PCR

^c These primer pairs amplify the same sequence for both SLC43A3_1 and SLC43A3_2.