

Additional Table 1 Primers used in qRT-PCR

Gene	forward (5'-3')	reverse (5'-3')
<i>Actin</i>	GTGGATCTCGAAGGGTGAGT	AGCACTTCCGGTGGACAAT
<i>HvAAP2</i>	TCGGCGCCATCGGGTTCT	CGGCGGCAGCAATGGTGA
<i>HvCAT1</i>	TTAAAGCGGCGCAAACAGC	AAGCCGAAGCCGTCAGGATTAG
<i>HvANT1</i>	TGCCGTGGTTTTTGTTCATC	TCCGCGGTTCCCTTCTATCAGTC
<i>HvAro2</i>	GTGGGGATGGGGGTGTTCTCTG	TGCAGGGGGTCTCCGTTTACAA
<i>HvCAT5</i>	ACCCGCCTCGTTTTTCTTGTC	ACCCACAGCGATGAGACTAA
<i>HvProT1</i>	GGCGCTCAGCACATCCCTCTC	GCGGCGATAGCAGCGGTGAT
<i>HvAUX1</i>	CGCCGCTCTACTTCGTGTGG	GAGGGCGCGGAGGCAGAC
<i>HvLHT1</i>	GCCTCCGCGCTCTGCTACTC	CGGCCGGCCTTGCTTGA
<i>HvANT4</i>	TAATGCCCGCCTTGCTTCTT	CTGCGTGCGTGTGGCTTTATTC
<i>HvANT2</i>	GGCCGCGGACAAGAAGAAGT	GTACCCCATGACACCGAACAGC
<i>HvAAP3</i>	TCGCCGAGTCATGTCCTTCTC	TCAGTGCCGCCATTGTTGTCT
<i>HvANT5</i>	CCGCCGCTGTGATGGGATAC	TGACTTCGCGGCAGCAACTCTT
<i>HvLAT1</i>	TCATTGCCGCGGAGAACTACCT	AAGCCAGCACCATCACCACGAC
<i>HvANT3</i>	CGCGCAATGAAATACGAGATGA	ACTGCCCGGAGAATGAAGC
<i>HvAro1</i>	AGCGCCTCTTCTCCAATGTCAA	ATACTCCCTGGCTCGTGCTTCA
<i>HvProT2</i>	GGATACCGCGCACCAGATTAGC	GGAGGCGACCAAGCAGAGCA
<i>HvAAP4</i>	TTTGCCGCTCACCGTCTACTT	GAGCCCCTGCACCGAACCA
<i>HvAAP5</i>	GATACGCGGCATTTGGTTCAGA	GGGGCCGTCAGTATGTTGC
<i>HvAAP6</i>	TCGGCAACGTGGTGGGACTT	GCCGCGCTGCCTGATGTA
<i>HvAAP1</i>	GCAACATCGCCTTCGCCTACT	TTATCCCCGTCGCCTTCTTCAT
<i>HvLHT2</i>	ATCATCGCCGCTGCTACTTCC	TCAAACACCGGCATCGCATAAA
<i>HvANT6</i>	GCCGCTGCTCCCGACGAA	GCCGACGATGGTGGTGGACAG
<i>HvLHT4</i>	AACGGCCGGCAGCAATCTCTTA	GGCCCCGCGCCACATAGG
<i>HvANT17</i>	AGAGCTGCTGCCTCCGAATAGA	CGCCACAAACATGGTGAGAAGA
<i>HvAAP7</i>	CAGGGGGTCATCAGCCAGAAGC	ATGCTCCCCGATCGCTCTAACC