

AGI Locus	Gene Name	Forward 5'→3'	Reverse 5'→3'
At3g27740	<i>CARA</i>	GCTCAGAATCACAACCTATGCGGT	TGTGTTACTTCTACGCCTCCGG
At1g29900	<i>CARB</i>	GAGAAAATCGCGGTGTCTTC	GTTCCCGAGGTGGCAACTATT
At3g20330	<i>PYRB</i>	GGATGAAATCACCGCAGATGTT	GTCTGAAGTAGGCAGCTCTTGGA
At4g22930	<i>PYRC</i>	CACATCACAACCATGGATGCTG	ACCCACAGACCCTTCTTTGCA
At5g23300	<i>PYRD</i>	GCTTGAAGATATTGCAGCGGTG	TATGATCAGCCCATCCAAGTGC
At3g54470	<i>PAREF</i>	ATACTGCCTGATTTACCCCTG	TGCAATCGCACGGAGCTTA
At3g60180	<i>UMK1</i>	TGCTAGAATCGAGCCTGCTTTT	TGGTTCCTGCTCATAATGCGT
At4g25280	<i>UMK2</i>	AACCGTGTTCATTTGAGCG	CGGCCCTGATTACGATTCAAG
At3g18680	<i>UMK3</i>	GGATGCTGGCAACTGTGATGA	GGATGCTGGCAACTGTGATGA
At3g10030	<i>UMK4</i>	TGGTAATATTTGGTGGCATCGG	CCGCATTGATGTCTATAGCTCGA
At5g26667	<i>UMK5</i>	CCGAGCAGCATTGAAAAAGTT	AACAGGCGCTTCTCCATCTCT
At4g09320	<i>NDK1</i>	ATTATGATCAAGCCTGACGGC	GCAGATGACTTCACCGATGAGT
At5g63310	<i>NDK2</i>	ACCGGAAGGAACATTGTGCA	TCACGCTTGCCGTTTTTCAG
At4g11010	<i>NDK3</i>	CCTGTTATTGCCATGGTCTGG	GCTCCAATCAGTTTACGTCCGT
At4g23900	<i>NDK4</i>	TGCTTCTAGAGCAGCCAGGTCT	CGGCCTTCGGAGAAGAAA
At1g17410	<i>NDK5</i>	CCCTCACAGCATCAGAGCATT	AGCCGTGCACACAGTTCTTCT
At1g73980	<i>UK1</i>	GCCCTAAAGAAGCCCTCTCAAG	ACGCCCGCGTGAAGATATTT
At1g26190	<i>UK2</i>	TGAAGTAATGGCCCTACCAGATG	AGACGCTCGTAAGAGTGCTTCC
At1g05620	<i>URH1</i>	AGGTTTGAGGAAGCGAACGAG	ATCAACCGTCACTGCCACTTTT
At2g36310	<i>URH2</i>	GCCTCAAGAGATGGAACGGAA	CGTCCAAGCAACTGATATCGGT
At1g55810	<i>UPRT1</i>	ATGCACACTTAATCCGCGACT	ACCAAACGTATCAATCGATCGG
At3g27440	<i>UPRT2</i>	CTTGACCCTGTTCTAGCATCAGG	TGATTCTGGAACCTCCCTTGCTT
At3g27190	<i>UPRT3</i>	ACGGAGACAATGGAATGCAGC	CGCTCGGAGATATCACTTGGA
At3g53900	<i>PYRR</i>	TTGAAGGAACGTGGTTTGTCTG	GCAGCAATCGCACAAATCAC
At4g26510	<i>UPRT5</i>	CAGGAAACTCAGCGTTGAAG	TGATGTTTCCCTCAGGTACGC
At5g40870	<i>UPRT6</i>	CGACATATCTGAACGCCATGTC	GCCGAGTTACCTGTGGCTAAGA
At3g17810	<i>PYD1</i>	AAAACCCTTTGCGCTGAGCT	AAGTACTGCAGCGAATGCCCT
At5g12200	<i>PYD2</i>	AATGGTGTAAATGGCCTTGAGG	CATCGTGTCCCATATCAAGTGC
At5g64370	<i>PYD3</i>	ACCCTTCAGCAACTGTTGGTGA	CGGCATTTTCGTGCCTCAATA
At5g60390	<i>EF1a</i>	TGAGCAGCTCTTCTTGCTTTCA	GGTGGTGGCATCCATCTTGTTACA
At3g18780	<i>ACT2</i>	TGGTGACGCTGGTATGGTTA	TCCTTCTGTCCACGCTCTT
		TCCCTCAGCACATTCCAGCAGAT	AACGATTCTGGACCTGCCTCATC
		ACCAGCTCTTCCATCGAGAA	GGGCATCTGAATCTCTCAGC
At4g05320	<i>UBQ10</i>	CACACTCCACTTGGTCTTGCGT	TGGTCTTTCCGGTGAGAGTCTTCA
		GTCGACCCTTCACTTGGTGT	CCTTGACGTTGTCAATGGTG

Table S2 PCR primers used in quantitative real-time RT-PCR analyses of relative transcript levels for genes of pyrimidine nucleotide metabolism and three reference genes.