

ESM Table 2

Gene	Accession Number	Forward/reverse primers	Amplicon Size (bp)	Primers Efficiency (%)
<b>Homo Sapiens</b>				
<i>PRKAA1</i>	NM_006251	5'-TCGGCAAAGTGAAGGTTGGCA 5'-TCCTACCACATCAAGGCTCCGAA	98	108
<i>PRKAA2</i>	NM_006252	5'-GGTTGTTTCATCGAGACCTGAAACCA 5'-GGACCTGCATACAATCTGCCTGAGA	177	92
<i>PRKAB1</i>	NM_006253	5'-GCACGACCCTTCCGAGCCCATA 5'-AGCGCTCTTCGGGTTTGCAGAC	197	115
<i>PRKAB2</i>	NM_005399	5'-ATCAGAGCCTGTGGTTACCAGTCA 5'-ATAAGGCCCTGGGGGTGAGCT	157	92
<i>PRKAG1</i>	NM_002733	5'-TTGTGGGCATGCTGACCATCAC 5'-GAGACAGCATCAAACAAGCTGGCA	184	104
<i>PRKAG2</i> *	NM_016203	5'-TGGAGTTCGAGGACGAAGCAGTAG 5'-TACTCTCCCACAGTGGCGCTG	192	105
<i>PRKAG3</i>	NM_017431	5'-TCTTTGTGGACCGCGTGTGT 5'-TTTGCTGGGCAGCCAGGTGAATCA	105	93
<i>GAPDH</i>	NM_002046	5'-CAGCCTCAAGATCATCAGCA 5'-TGTGGTCATGAGTCCTTCCA	106	107
<b>Rattus Norvegicus</b>				
<i>Prkaa1</i>	NM_019142	5'-ATCCGCAGAGAGATCCAGAA 5'-CGTCGACTCTCCTTTTCGTC	173	103
<i>Prkaa2</i>	NM_023991	5'-CGGAGGTCATCTCAGGAAGGCTG 5'-ACGTGCTCATCGTCAACGGG	112	93
<i>Prkab1</i>	NM_031976	5'-GCTGCAGGTCATCTTGAACA 5'-GAGCACCATCACTCCATCCT	124	115
<i>Prkab2</i>	NM_022627	5'-CCCTCACCTCCTCCAAGTTAT 5'-GATGGGTTGCGCTAAGGA	146	95
<i>Prkag1</i>	NM_013010	5'-AGCCCTACAGCACCGGTCACA 5'-ACGGTGAACCTCTGCTTCCACCA	106	95
<i>Prkag2</i>	NM_184051	5'-GTCCATCGGTTGGTGGTAGT 5'-GGTGGTCATTCCGGTCTCTGT	131	112
<i>Prkag3</i>	NM_001106921	5'-CGTGGGCCTCTACTCCCGCT 5'-GCCTATGCACCTGTTCCCGTGC	188	104
<i>Gapdh</i>	NM_017008	5'-TGGTGGACCTCATGGCCTAC 5'-CAGCAACTGAGGGCCTCTCT	101	98

\* This primers set allows to detect the three Prkag2 variants: a, encoding the longest isoform, and b/c, encoding shorter isoforms.

Gene	Accession Number	Forward/reverse primers	Amplicon Size (bp)	Primers Efficiency (%)
<b>Mus Musculus</b>				
<i>Prkaa1</i>	NM_001013367	5'-TGGTGGGAAAAATCCGCCGGG 5'-CGGCTTTCCTTTTCGTCCAACCTTC	181	102
<i>Prkaa2</i>	NM_178143	5'-ACCGAGCTATGAAGCAGCTGGGTT 5'-CCTCTGCTCCACCACCTCATCATC	182	96
<i>Prkab1</i>	NM_031869	5'-AGGACACGGGCATCTCTTGT 5'-GTGGTTCAGCATGACGTGGTT	65	107
<i>Prkab2</i>	NM_182997	5'-GGCCCACCGTTATCCGCTGGT 5'-ACCACAGGCTCTGACGGATCATG	196	104
<i>Prkag1</i>	NM_016781	5'-ATGAGAAAGGGCGTGTGGTGGAC 5'-GGACCGATGCTGCAGGGCTTTT	116	104
<i>Prkag2*</i>	NM_145401	5'-TCACACCAGCAGGTGCCAAACAG 5'-TGCGCGGGCGTCTACATTCAC	70	96
<i>Prkag3</i>	NM_153744	5'-GGGCATCGGCACATTCCGAGA 5'-TGGGCAGCCAGGTGAATGACATCA	168	101
<i>Gapdh</i>	NM_008084	5'-TGCACCACCAACTGCTTAGC 5'-GGCATGGACTGTGGTCATGAG	87	106

\* This primers set allows to detect the three Prkag2 variants: 1, encoding the longest isoform, and 2/3, encoding shorter isoforms.