

Supplementary Table 1. Coding exons (red) sense and antisense primers (blue) for mutation screening of *TRPV3* gene

Exon number	Sense primer	Antisense primer	Sequence
2	AGGAGTGAGCT TCCAGTTCC	GACTACCCCA GCTCAGCC	AGGAGTGAGCTTCCAGTTCCAGGTAGTGTGAACGGGAGCTGG ATGCAGCCACATGGGGCCCCATAAATCCCTGAAGCTCCCCCTGTCC CCCCGGCCTGAGCATCTGYCCTGTGGTTGTATTCCAGCCAWGAAA GCCCCACCCAAAGGAGATGGTGCCTCTCATGGGCAAGRGAGTTRCT GCCCCAGTGGGAACCCTGCYRTCCTGCCAGAGAAGAGKCYRGSR GAGATCACCCCCACAAAGAAGAGGTGGGTTTGRAGAGCTYGGGA CAYRGACTGYGCACTGTGAGGGGCAYRAGTGGGGGCCTGGvCAC CCCCCAGGGAGCCCTTGCCTTGGGGAGACCTGAGACTCTCAGTC TCGCCCCGGGTGGCCCGGTGCCYGGCGAGGTATGACTRGGGGATG GTGCGGTGGGAGCACAGCACACTCAGGGGGCTGAGCTGGGGTA GTC
3	GGTGATAATGAC AGTGTCCATCT	GCAACAGAGC GACATTCCAT	GGTGATAATGACAGTGTCCATCTCYGAGGGCTCCCRGGAGGGCTG GGCAAGGCCATTTGGGCTCAGAGCTGGCCAGGGTGTGTGCTCAGC ATGGGGGCACCCTCTGGGGCCAGGAGGCAGGACACAGGCAGACA GGCTCTGCCTGGCTYRGCCCTAACAGGCTTCCCTCGTRTTCCCTCA GTGCACACTTCTTCTGGAGATAGAAGGGTTTGAACCCAAACCCCA CAGTTGCCAAGACCTCTCCYCTGTCTTCTCCAAGCCCATGGATTC CAACATCYRGYAGTGGTGAGTAYGGGYCCAGCCCAACCCCYTGC CCTGGGCCAGCCCTCAGCTCCAGCATGTGGCCAGTGACTTGCCTT GGGTCACGGGGSCAGGCCTGGCTGTGGCATGCTACCAGTGTCTATT ATAAAACDTTATTATTATTATTATCTTTTTGAGATGGAATGTCGCTC TGTTG
4	CGAACTCCTGAC CTCAAGTG	TACTCCACTCC TTCCCCGTA	CGAACTCCTGACCTCAAGTGATCCACCTGCCTYRGCCTCCCAAAG TGCTGGGATTACATGCATGASCCACCTACCCGGCCATTTTAWA CTTTAAAACCCCTCTCTGTTCCSCTGCCAACACCTCCAGYATCTCT GGTAACTGTGATGACRTGGACTCCCCSAGTCTCCTCARGATGATG TGACAGAGAYCCCATCCARTCCCAACAGCCCCAGGTAAGTCTGCY CCTCCCCCTCYACCCACTGTGCCACYCAGGCTGGGGGTGCCAGA GAGACAGGATCCRGGGCCCTGCAGGAAGGAGAAAGAATCCACCA TTCTGGGGWTTGGGACAAGTGGAGTCATGGGTCATGGCATGTAG GACRTTACGGGGAAGGAGTGGAGTA
5	TTGTGACAGGCA TGGGAGAT	CAAACCTTCT GTGGTTCCC	TTGTGACAGGCATGGGAGATGTTGGCGGCAGSTGCAGRCCCCGT AGGCAGCTCTGGCGGGGAAAAGGAGAGATTGRGCTTGAGAGGAT GKTKGTGTTGAGTTGGAAACATTTTCTGGYTTTCAGTGCACAGCTGG CCAAGGAAGAGCAGAGGAGGAAAAMGRGGCRGTGAAGAAGCG CATCTTTGCAGCBGTGTCTGAGGGCTGCYRYYGAGRAGTGTGAG GTTGTYGGTGGAGCTGCAGGAGCTTTGCAGGCRGCGCCATGATGA GGATGTGCTGGTGAGTGTCTGAGCCTGGCAGAGGGTGCASGGCT GGGGGCCCTGCTTGGCTTCTGGTGCCATTTTCCCCTCCCCTCACC AACCSATGAGGCTGGAGTRTGAGGGGCCTTGAATTCTGGCTAGGG ACTTTGAACTTGACTCCGAGGRGAATGGGAACCCACAGAAGGGTT TG
6	CTGGGAGTGGA GATGTGGAG	TCTTGTTACC AGTGCATGC	CTGGGAGTGGAGATGTGGAGCAGGGGCTTGGGCTGCGGCYGC AGCAACCACACCCTCTGGGCTGGGAGGGCCAAGGGCAGCYRGGG CCCTCCTGTAACTCCACCCATGGCCCTGCCTGCAGACTTCTCRTG CACAARCTGAYGGCCTCCGACACGGGGAAGASCTGCCTGATGAAG GCCTTGTTAAACATCAAMCCCAACACCAAGGRGATMGTGCGGAT CCTGCTTGCCTTTGTCYGAAGASAAAYRACATYCTGGGCAGGTTTCA CAAYGCCGAGTACACAGAGGARGCCTATRAAGGTATCC TGCTGYAGAGGGGCGYGTGCAGACAGGAGTCTGAGGGTGGGG TATGGGGCCACAGGGCCACTGCTGGCCAGGCCACTGGAGGCACT GCTGCCATTGAGGAGCCCCAAGCATGTAGCATGGTACCAGGGATG CTTCAGGCAACCCTCTCTTTCTTCTTTCATTYTGCAAATAATTTTGA RCACTGGTCCATGCCAGGCATTGTTTTTGGCATGGGCATGCACTG GTGAACAAGA
7	GTTCGGGGAGG GTATGGAG	TCTCTCCTTCC TGTTTCCCC	GTTCGGGGAGGGTATGGAGGCCAGAGCGGGTGGGCAAGAGGCC CTGTGCCGGCGCTGAGGCTCCCGCGCTCCCCGCCGCTCCGCA GGGCAGACGGCGTGAACATCGCCATCGAGCGGCGGCRGGGGGA CATYGCAGCCCTGCTCATCGCCGCCGCGCCGACGTCAACCGCA CGCCAAGGGGGCCTTCTTCAACCCCAAGTACCAACACGAAGGCTT

			CTACTTCGGTGGGTGCCGCTCCCGCCCGGTGYGGAGTCTGGGAGG AGGGAGGAGGRAGACGGGAGAGGAAGGGAGGGAAGGGGAAGGA GGGAAGAAGGGAGGAGGGGGGAAGAAAGAGGGGAAGGAGGAAGG AAGTGAGGAGGGAGAGGGAGGAAGGGAGGGGAAACAGGAAGG AGAGA
8	AGAGGGCTAGG GAACCTGAG	AGGCTGTGGTT TGTGAATCC	AGAGGGCTAGGGAACCTGAGGTGCSCATCCTGCTGAGATAGGATA TGGGCYCCAGTCTGGGRCTTGGGGGACGCTGCTTCYRGCCCATG ARAGAACCAAGCTTCAGYGCCTCATCCCCAGGTGAGAYGCCCC TGGCCCTGGCRGCATGCACCAACCAGCCYAGATTGTGSAGCTGC TGATGGAGCAYGAGCAGRYRGACATCACCTCRYGGGACTCACGA GGCAACAACATCCTTYAYGCCCTGGTGACCGTGGCYGAGGACTTC AAGACRCAGAATGACTTTGTGAAGYKRTGTRCGACATGATCCTA CTGYKAGTGGCAACTGGGAGCTGGAGACCRCTYRCAACAAYGA TGGSCTCAYRCCGCTGCAGCTGGCYRCCAARATGGGCAAGCCGA GGYGGRGCCATGGGGCKTGGRGAGCAGGAGGTCRGGAGGTCAGG AGGTACAGCTGCCACCCTCTCAGCCCCGGGGGCCYTACTGGGGAT TCACAAACCACAGCCT
9	GGTATTCACAAC CCCCAGTG	GCCTTTTCTGT GCCTGACTC	GGTATTCACAACCCCCAGTGAGATGGGCGGAACAGCAAGCTTTGT GCGCATTCCACAGATAAAGACGGGGCCAGGGGCCATGGCGCCA GGCGCAGAGGCAGGTCTCCACCCATTCTGGGCGRSTGTATCCCCT GGGCCCAGCCAGCCTCTGGCTGGTCCAGCCCTGKGGCCTYAAGY CCCTGTTCTGCAGTSATGGTTGTTCTCCTCCTGTCSAGATCCTG AAGTACATCCTYRGTCGTGMGATCAAGGAGAAGYGGCTCYRGAG YCTGTCCAGGAAGTTCACYGACTGGGYRTAYGGACCCGTGTCATC CTCCCTTACGACCTCACCAACGTGGACACCAYCAYGGACAACCTC AGTGCTGGAAATCACTGTCTACAACACCAAYATCGACRTGGGYCT CCTGCACAGGCGGGGAAGGGCAGGGAGAAGAGGGCTGGACCTCA GGCCAGGGGCTGAGAGGACGCTGGGAAGACCCAGTGTGCCAGC TCCATCCCTCGGCATCTGCATACCCACTCTGTTGCCCTCAGTGAGC AGAGTCAGGCACAGAAAAGGC
10	TTCCAACCAGAC CAGTCCAT	GAAGCGTGAA GGACAACCTGG	TTCCAACCAGACCAGTCCATCRGGCATAATGATGGGCCCCCTTCTG CAGCACTGACTCAGAGCTCCCGCAGGCCTTTAGAAAACGGTCCCW CCCTSTCTCCCTCATCTCCATGGTGACTGGTGGCATTCTACCCCTA GAACYGGSATGAGATGYTGACCCTGGAGCCRCTGCACAYDC TGCTGCATATRAAGTGAAGAAGTTTGCCAAGCATGTTCTTCT GTCCTTCTGCTTTTATTCTTCTACAACATCACCCGTACCTCTGTCT CGTACTAYCGCCCCCGGGAGGAGGAGGTAYRTGGGCCCCCTTGSAG GGGAAAATKGGGCYRTCAGAGCTGGAGGGGCTTGGAGCTGCC CACGTGCAGGTGGGAAAACCTGAGRCCAGAGAGACCAGGAGATT GGGCGGGTCCSCCAGTGTCTCCTCACGCTCC
11	TGTTTCACCTGG GTTTTGGT	TGGATGAAGT AGGTAGGATA GGC	TGTTTCACCTGGGTTTTGGTCCCTCTAGAGTTGGTGCCAGCCCTGT CCTCCTTGCTTCCRTACTGACCACCCCTCTTCTTCSCTGCAGGCC ATCCRCACCCCTTSGCCCTGACGCACWAGWTGGGTGGCTGCAG YYCCTAGGGAGGATSTTTKGTCTCATCTGGGCCRTGTRCATCTCTG TGAAAGAGGTAAGTGGGCCASCYGGCCCTTYCAGACYRCCCYGY GAGGCAGGCAGGTGACAGCCTCYATCCCTCTCTGYTCTGCCATTA CTGCTGGGGGGYTCTGGGGAGGCGTTTCCCTTCCYAAGCCTTACCTT YCTGAGTTATAACATGGGAAAAAATGKATAAGSCTGGCCTATCCT ACCTACTTCATCCA
12	CTTTGTGCATTC AACCTCA	ATGGGCATTTA CGTGTCTCC	CTTTGTGCATTC AACCTCACTGAGTCTTGGTCTGGGGAAGCACC CTCTGCTCAGTCCCCYGCTGAGGGCCATGAAGAGGGTGCAGTGT TTCTTTYCTTCTGGCCTYMGGGCATTGCCATCTTCYTGCTGAGAC CCTCGGATCTGCAGTCCATCCTCTCGGATGCCTGGTCCACTTTGT CTTGTAAGTAGGTCTGGCCCTTGGTTATCGCCTCACAGGCWGGG TTGACRTCTGTATGGTGGCTGCCGTGTCGCTCYTGAACAAATA TCCTACTGTGCCAYGGTGTCCAGTCACTCTGCCATGGTTACACGC CAGGGGTCTCTCTTCTCTCCTAGTAGGAGACACGTAATGCC AT
13	GGTCTCTCAGC ATCCGTCA	GCATTTGGGAG AAAGAGCAG	GGTCTCTCAGCATCCGTCACCRGGGTGACTGTTYAGGGGRTTTAA GGGAGGTTTTGGGGGATTTGCATATCTTTGCCCTSATGCTGAGAAGT AAGTAAGGCCYGTGTCTCTCTGTCTCCTGAACAGTTTTATCCAAG CTGTGCTTGTGATACTGTCTGWCTTCTGTACTGTTTGCCTACAAA GAGTACCTCGCCTGCCTYRTGCTGGCCATGGCCCTGGGCTGGGCRA ACATGCTCTACTRYACRCRGGGTTCCAGTCCATGDGCATGTACAG CRTCATGATCCAGAAGGTGYGTTGAGAGCTGCRCYRGRYGGAGGG

			CCCTYRGAGGATGGCCATTTTTCAGATGGGGAAACTGAGATCTGG AGAGGAAGAGGGGTTTACCAAGGGGCAGGTCACTGCTCTTTCTCC CAAATGC
14	AGTGTGAGCCT TGGAGCAT	CAAGTGCCCC ACTGGTAGTT	AGTGTGAGCCTTGGAGCATCAGGAGGATTTGGCTGGGGGAAGGG AGAGTGGCCAAGTGAAGARACAGTTAGGGTGGGGGGTGGGAGA GGGTGGGAAGCAGGAAGATCAGGGTGCYGTGMATATGTGCTTGC ACCTTACACTTGAATTATRTTTATTTCCCTTATAGGTCATTTTGCRTG AYGTTCTGAAGTTCTTGTGTTGTATATATCRTGTTTTGCTTGGATT GGAGTAGGTAATTGATTTATAAATAATAGTAACTCCACATTTAT AAACACTTYATACAGATGTCAAATGGCAAAGTGCATGGYGGCCT YGGCAWCAATTAGACCAACTACCAGTGGGGCACT TG
15	CCTGATGAGGCT TTGAGAGG	GCTAAGGCCT CCTCAAACCT	CCTGATGAGGCTTTGAGAGGACCTGAAACTGGAGATGGGATTTAA TGGCCAGAGAGAAGGAGGCAGCAGGCTTGTCAYGTAGGCAAATA CACGCAAGCTTGTAGAGTAATTAYCAGGCAGAGAGCTGAGG AGAGCACCTGTTATGYTCCCTTAGCCTTGGCCTCGCTGATYRAG AAGTGTYYCAAAGACAACAAGGACTGCAGCTCCTAYGGCAGCTTC AGYGAYRCAGTGTGGAACCTCTCAAGCTCAYCATAGGCCCTGGGT GAYCYGARCATCCAACAGAACTCCARGTATCCWTTCTCTTTCTG TTCTGCTCRTCACCTATGTCATCCTCACCTTTRTCTYCYCCTSA CAYGCTCATTGCTCTGATGGGYGAGACTGTGGAGAAAGTCTCCAA GGAGAGYGAACGCATCKGGRCCTGCAGGTGAGCCTAGGTGGAG ACCCAGCRTGGGGGCCTCCACGGGACTCAGTTCAGCACGTGGTC ATTGACTACTGTCAGCACCAAGTGGGTCTGAGGTGGGGCCTGAGAA TCTGCACAAGCTCCTCAGTGTGTGGCCAGGTTTGGAGAGGCCTTA GC
16	GACAGTGTGTGT GCCCTTGT	CTGCAACCCC ATAAGCAAAT	GACAGTGTGTGTGCCCTTGTGTGTGCTTGTGAGTRTGGATGSCTA CTCCKTAGACTTGCTTATGTTCYCCAGAGAGCCAGGACYATCTTGG AGTTTGTAGRAAATGTTACCAGAATGGCTGAGGAGCAGATTCCGGA TRGGAGAGCTGTGCRAGTGGCYRAGGATGATTTCYGACTGTGTT TGCGGTAACAAAGGGAGAAGGGCCCTGGGGTGGTGGTCTTTGGG GTGGGTAGAGAGGGGCAGGAYRGTGACAGGATGTTAGAGAAACA GTGCCRCCACTTGCTAACCATACCACAGCTACTGTCTCTCCAGT GGCCTCCTTGAAGAAGGAAATTTGCTTATGGGGTTGCGAG
17	GACAGACAGAA GGGGAGCTG	CCTGCATGATG TGTTTCTATGG	GACAGACAGAAAGGGGAGCTGTGTAGACACCAGGACRTCCCAAAC GCAGGGYTATTTGTTAGTACTCAGTGAGGCACTGGTGAAATMGTA AGAATSMITTATCACATTTGCAGGATCAATGAGGTGAAGTGGACTG AATGGAAGACSCACGTCTCCTTCTTAAACGAAGASCCRGGKCCTG TAAGACGAACAGGTACTGTCRYTGTGAGGTGACATGGTGTCTYGT CCTGTCTCAGACCATGTAACCTTGRGCAGATCAAGTCTAAGGGTC CTGACTTTCCCATCTGTCAAATGGGAGGGTTGAATGGAATGCT TCTTAGGTCTCTCCAGCTCTGACTTTTAGAACCCYAGTTGGCACA ACTTTTAAAATGGYGTAGCCCTAAGCCATAGAAACACATCATGCA GG
18	GAGGTTGCAGT GAGCTGAGA	GGGTGCACTCT GCTTCTAGG	GAGGTTGCAGTGAAGTGCAGATCACACCCTGCACTGCAGCCTGGG TGACAARAGGGAAACTCCATCTCAAAAAAGAAAAAAGAAAAA GAAAAAGAAACACACTATGCAGAGTGATATATTCTAAAATATR TRTWTTTTTAAAAAGCARATTTCAACAAAATCCAAGATTCTTCCA GGAACAACAGCAAAAYCACTCTCAAYGCATTTGAAGAAGTGCAG GAATTCCKGAAACCTCGGTGTAGAAGYGGAACCCAGAGCKGRT GTGCGCGTGCGYTGCTGGCGCTGCAGGCGGAGTCACYGACTCTS TGCAGAGAGGCTTTGAGGRATGRTGGAGTCCGGCTCTGCTGGCCT AGAAGCAGAGTGCACCC