

**TABLE-S1 GENE SPECIFIC PRIMERS USED FOR REAL TIME PCR ANALYSIS OF
DIFFERENT ISOFORMS OF HSP40**

GENES NAME	PRIMER SEQUENCE 5'----3'	GENES NAME	PRIMER SEQUENCE 5'----3'
DNAJA1 FP	GCTGCAACGGAAGGAAGATA	DNAJC6 FP	GAGACCGCTGACTGTGAATG
DNAJA1 RP	TGATAATATCGCCTGGCTCC	DNAJC6 RP	ATAGCTGGGCTCCATGTCTG
DNAJA2 FP	AGGCATGAAACATGGACAGA	DNAJC7 FP	AGTGCGATGTGGTAATGGC
DNAJA2 RP	CATGTGCAAATCATTCCCAT	DNAJC7 RP	GCTTCATTGTAATCTTTCTTGGC
DNAJA3 FP	GCTGCTGACATTGAGACCTG	DNAJC8 FP	ATTGAAAGACTGACCCGTCC
DNAJA3 RP	CTCTTTCTGGCTGGCATTTC	DNAJC8 RP	TTTTTGT CAGGATGCACCAA
DNAJA4 FP	CTCTCCGCCTTGGTCATAAA	DNAJC9 FP	GCGTGCAGTACACAGAGGAA
DNAJA4 RP	TCAAGAAGGCCTATCGGAAG	DNAJC9 RP	CTTCTTTGGCCTCTCTCTGA
DNAJB1 FP	ATGAGGGTCTCCATGGAATG	DNAJC10 FP	TGCTCAGACATGCCAGAAAG
DNAJB1 RP	CTACGACGTGCTCAGCGA	DNAJC10 RP	TTAAGGCAGCGATTGCTTTT
DNAJB2 FP	AGAATCATGGAGAACGGGC	DNAJC11 FP	GGAGGAGCTGGACAATGAAG
DNAJB2 RP	GACCTGGAAGTGACTGACGG	DNAJC11 RP	AGCTCTGGGTCTCTGTGCTT
DNAJB3 FP	GCAGCTTCAAGTCCATGTC	DNAJC12 FP	TTTCCGAGGGAAGAAGGACT
DNAJB3 RP	ACTCAACTCTCCATCTTCCTC	DNAJC12 RP	ATTCTGCCAGGATTTGTTCA
DNAJB4 FP	ATGATCAGTTTGGGGAGGAA	DNAJC13 FP	GGGATAGGATGGGCTTGGCT
DNAJB4 RP	AATTTCAAAGGGGTGGACC	DNAJC13 RP	ATTTCTCTGCCAGGCACTC
DNAJB5 FP	TAAGTGACCCCAAGAAACGG	DNAJC14 FP	TTTCCATGTACTGGGGGTTG
DNAJB5 RP	CACCAAAGAAGGAGGCAAAAG	DNAJC14 RP	AAAACCTTGAAGGCCTCCTC
DNAJB6A FP	TCACTGTCTCTCTGAGGAGGA	DNAJC15 FP	GAGTTTGCCTACGCTGAGT
DNAJB6A RP	TCAAGTCCGGTCTAGTGATTGC	DNAJC15 RP	AAGAGCTGCAACACCCAGTC
DNAJB6B FP	GTCCTGGAGCTGTGAGGAGA	DNAJC16 FP	GAGGGACGGAAGAGATGACA
DNAJB6B RP	TCTGCACGCCTAGAACTTCA	DNAJC16 RP	GTTTCGGGTGATGAAGTCGT
DNAJB7 FP	GAATGCAGCTGGAGAACACA	DNAJC17 FP	GCTAGGCATTGAGGAGAAGG
DNAJB7 RP	TAGGGGATCTCTGTGCTG	DNAJC17 RP	CCTGAGAAAGCTGGTGGAAG
DNAJB8 FP	ACACCACCTTCTCATCCACC	DNAJC18 FP	ACAGCTGCTGGGGTACAAA
DNAJB8 RP	TCCTTGCCGTTACAGTCAC	DNAJC18 RP	GCACAGTTCTTGT CAGGGTG
DNAJB9 FP	AATGCAGATTGCAAAGATGAAA	DNAJC19 FP	CTCTGGTAAAGGCGTGCAG
DNAJB9 RP	CAGCTCTGTGGAGGAGCAG	DNAJC19 RP	CAGCAATGGTCAGTCCAAC
DNAJB11 FP	AAGCCCAGGAGAAATTCCAG	DNAJC20 FP	TGAAGCTGCCATGAAAGAGA
DNAJB11 RP	ATGTCTCCATGGGAGCTCTG	DNAJC20 RP	TTCCTTGGCTTCTCAAAGTC
DNAJB12 FP	TATCAGCATCGCCCTCAAG	DNAJC21 FP	TGGAAGATGCACCAAAACAA
DNAJB12 RP	GGCAGTCTGTGGTTTCTGGT	DNAJC21 RP	TCTTCTCTCCCAACACACA
DNAJB13 FP	CATCATCCACCCAAATACTTC	DNAJC22 FP	AGGAGTGGGCGAAGCTCTAT
DNAJB13 RP	CAGTATGT CAGCAATGCC	DNAJC22 RP	GGTGCCAGACCTTCACTAGC
DNAJB14 FP	CCTGGAGCAACAGATGCTTT	DNAJC23 FP	GGCGACATACTACCTCTGGC
DNAJB14 RP	TGCCATTGTTTTGGTGGTTA	DNAJC23 RP	AGGAATAATATTTGGCTGGG
DNAJC1 FP	GTTGGAAAACAGGAACCGAA	DNAJC24 FP	GATTGGTACAGCATCTGGG
DNAJC1 RP	CAATTCGTGGGCAATCTTTT	DNAJC24 RP	TCCTCCACTGTTCTGTGCTG
DNAJC2 FP	CGGAAGTGCTTACTGGTCTG	DNAJC25 FP	CGCCTACGAGACTCAAGG
DNAJC2 RP	ACAGAGTGTAGAGGCAGAGGT	DNAJC25 RP	GCACACACGCTGACCAAAAT
DNAJC3 FP	CAAGGAAAACCTTGATGAAGCAG	DNAJC26 FP	GACCAGAGTACTTCTGTGGG
DNAJC3 RP	GCGTTAAGTGCTTGTGAACG	DNAJC26 RP	TGCATACTCTCTGCCACTCC
DNAJC4 FP	AGTCCATGACAAGTCTGCC	DNAJC27 FP	CTGAAAGCAAAGGGTTCTCTG
DNAJC4 RP	GCAGTACCCACGACTTGT	DNAJC27 RP	TATTGGTGGTAGGGCGTTTC
DNAJC5 FP	TCACGGACGCCACAAAAG	DNAJC28 FP	TGGAGCTCAAAGCTTTTGGGA
DNAJC5 RP	ACAGACAGCAGCAGCATAG	DNAJC28 RP	AAGATCTGAGCCATCATACA
DNAJC5B FP	TCATCCCGACAAGAATCCAG	DNAJC29 FP	AAGGTCCCTTTTCCAAAGTC
DNAJC5B RP	CAGCAAAAACAGCAGCAAC	DNAJC29 RP	ACGTGCAAATCGTTCTGGAT
DNAJC5G FP	CACCATCCAGACAAGAATCC	DNAJC30 FP	TAAGAATGGGATCGGTGGAG
DNAJC5G RP	GCAGCAGCAAAGTAGCAG	DNAJC30 RP	TATGGGCACAGGAACACTCA

**TABLE-S2 GENE SPECIFIC PRIMERS USED FOR REAL TIME PCR ANALYSIS OF
DIFFERENT ISOFORMS OF HSP70**

GENES NAME	PRIMER SEQUENCE 5' ---- 3'
HSPA1A RT FP	GAGCAGGTGTGTAACCCCAT
HSPA1A RT RP	AATCTTGGAAAGGCCCTAA
HSPA1B RT FP	GTGGATTAGGGCCTTTGTT
HSPA1B RT RP	TGAAGCAGCAAAGAGCTGAA
HSPA1L RT FP	CATGGCTACTGCCAAGGGAA
HSPA1L RT RP	GTGTCTGTGAAGGCCACGTA
HSPA2 RT FP	GACAACCAGAGCAGCGTACT
HSPA2 RT RP	CATCCGGTCAATGTCGTCCT
HSPA5 RT FP	CACAGTGGTGCCTACCAAGA
HSPA5 RT RP	TGATTGTCTTTTGTGAGGGGT
HSPA6 RT FP	CGTGCCCGCCTATTTCAATG
HSPA6 RT RP	AAAAATGAGCACGTTGCGCT
HSPA8.1 RT FP	GCCTGGTGTGCTTATTCAGG
HSPA8.1 RT RP	ACGGCCCTTGTGATTAGTGA
HSPA8.2 RT FP	TTACCCGTGCCCGATTTGAA
HSPA8.2 RT RP	CCTGGCATGCCTGTGAGTT
HSPA9 RT FP	GTGGCCTTTACAGCAGATGG
HSPA9 RT RP	GCTCCAATCTGACTCGGAGA
HSPA12 RT FP	GCCCGCGATTACTACCATGA
HSPA12 RT RP	TGCTCCCTCAGCTCCTGAA
HSPA13 RT FP	CCATCACAGTGTCGCCAGAA
HSPA13 RT RP	CTGCTGCTGTGGGTTTCAATTT
HSPA14 RT FP	TTGCAAATGATGCCGGTGAC
HSPA14 RT RP	CCTCTGAAAAGGCTGTGGGA