

SEQUENCE LISTING

Hs127799.0C7n9_at (SEQ ID NO:1)

5 GGGACCAAGGTGGAGATCAAACGTAAGTGCACCTTTCCTAATGCTTTTTCTTATAAGG
TTTTAAATTTGGAGCCTTTTTGTGTTTGAGATATTAGCTCAGGTCAATTCCAAAGAG
TACCAGATTCTTTCAAAAAGTCAGATGAGTAAGGGATAGAAAAGTAGTTCATCTTA
AGGAACAGCCAAGCGCTAGCCAGTTAAGTGAGGCATCTCAATTGCAAGATTTTCTC
TGCATCGGTCAGGTTAGTGATATTAACAGCGAAAAGAGATTTTTGTTTAGGGGAAA
10 GTAATTAAGTTAACACTGTGGATCACCTTCGGCCAAGGGACACGACTGGAGATTAA
ACGTAAGTAATTTTTCTACTATTGTCTTCTGAAATTTGGGTCTGATGGCCAGTATTGA
CTTTTAGAGGGCTTAAATAGGAGTTTGGTAAAGATTGGTAAATGAGGGCATTTAAGA
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15 BRMX.5143C1n2_at (SEQ ID NO:2)
TTTATTGGTCTTCAGATGTGGCTGCAAACACTTGAGACTGAACTAAGCTTAAAACAC
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AGCTTACCAGTCGGGTTGCCAGCAAAGCAGTGGATGCAAGACTTGCCCTCCAGGAG
20 CTTACCATCACAACGAAGAAGACAAATAAATGCATAATATATAGACGACATAAATC
CATACTGTACACATTTAAGAATAAACAGTCCAGTAGTAAGAGGCAGTACATATTCA
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25 CGAGGGCAGGGAGGAAGTGGCAAGAATAACATTTGTGAAGATGTCCAGGTGAGAA
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BRSA.1606C1n4_at (SEQ ID NO:3)

30 TGTGGCACATATACACCATGGAATACTATGCAGCCATAAAAAAGAATGGGATCATG
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35 CTGGATGATGAAATAATCTGTACAACAAACCCTGGTGACATGCAATTTACCTATATA
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GATTATTTTCCCTCTTTTGAACAAAGACATTGGTTTGCCCAAGGACTACAAATAAAC
CAACGGGAAAAAAGAAAGGTTCCAGTTTTGTCTGAAAATTCTGATTAAGCCTCTGG
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40 CCAAAGAATAAAAAACACCTCTCTAAAAAAAAAAAAAAAAAAAA

BRIH.1231C2n2_at (SEQ ID NO:4)

TCCTTATGGGGCCCCGGTATGTGGGCTCCATGGTGGCTGATGTTTCATCGCACTCTGGT
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45 GACTGCTGTACGAATGCAACCCCATGGCCTACGTCATGGAGAAGGCTGGGGGAATG
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50 GAGAGCAGAAATAAAAAGCATGACTATTTCCACCATCAAATGCTGTAGAATGCTTG
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BRAD.30779_s_at (SEQ ID NO:5)

5 CGGGCGTGGTAGCGGGCGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGA
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10 GTGCCACTTCACTCCAGCCTGGGTGACAAAGTGAGACTCCGTCACAACAACAACA
CAAAAAGCTTCCCCAACTAAAGCCTAGAAGAGCTTCTGAGGCGCTGCTTTGTCAA
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CCAGGAAGGAAGTCAGCATGCCTCTAGAGGCAAGGAGGGGAGGAACACTGCACTC
TTAAGCTTCCGCCGTCTCAACCCCTCACAGGAGCTTACTGGCAAACATGAAAAATC
15 GGCTTACCATTAAAGTTCTCAATGCAACCATAAAAAAAAAA

BRSA.396C1n2_at (SEQ ID NO:6)

TACAGATACTCAGAAGCCAATAACATGACAGGAGCTGGGACTGGTTTGAACACAGG
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20 AATTTAATTCAAGGAGGAGGAGAATGTTTTAGGCAGGTGGTTATATGTGGGAAGAT
AATTTTATTCATGGATCCAAATGTTTGTGAGTCCTTTCTTTGTGCTAAGGTTCTTGC
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25 ACTATTGTATGTTTTGTTTCATTGACCTCTAGTGATACCTTGATCTTTCCCACTTTCTG
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30 BRMX.2948C3n7_at (SEQ ID NO:7)

TGAGAAGTAGTTACTGTGCACATGTGTAGATTTGCAGTTCTGTGGCTCCTGATGGAT
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35 TCCAATTAATATGCACTTCAAACCTTTAATAGGCTTCAAACAGAATTTCTTTCATTATC
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Hs539969.0C4n3_at (SEQ ID NO:8)

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50 GTTTGTGTTTGTTTAAANNNNNNNNNGTGAAAAAATGAAGATAGGCATTTTGTAG
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 5 TTAGCAATCGGGTTGCCAGCAAAGCACTGGATGCAAGCCTTGCCTTCCAGAAGCTT
 ACCAGTCGGGTGTCAGCAAAGCAGTGGATGCAAGACTTGCCTTCCAGGAGCTTAC
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 10 CTGCTGGGAAACCGGGGAAAACCTTGGCTATGGACGTGGGGGCTTGTGTCGGACTCT
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BRAD.39498_at (SEQ ID NO:14)

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 15 TGTGGCAAGGAAAAACAGGTCTTCATCGAATCTACTAATTCCACACCTTTTATTGAC
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 GAGAGGCAACATCCAAAATAGTTAAGACATGATTTCTTGAATGTGGCTTGAGAAA
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 20 GAATGGAGATTCAGTTTTTCATTTGGTTCATTAATTCTATAAGCCATAAAACAGGTAA
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BRAD.34868_s_at (SEQ ID NO:15)

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 30 TGGCAGCTGCCACGCCGCCCTAAAAGCACACTCATCCCCTCACTTGCCGCGTCGCC
 TCCCAGGCTCTCAACAGGGGAGAGTGTGGTGTTCCTGCAGGCCAGGCCAGCTGCC
 TCCGCGTGATCAAAGCCACACTCTGGGCTCCAGAGTGGGGATGACATGCACTCAGC
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 35 TGAAAACCTCTCCTCATGTTCTGCTTTTCGATTTCGTTAAGAGAGCAACATTTTACCCA
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Hs505575.0C1n42_at (SEQ ID NO:16)

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 40 TAGTGGAGTGGGGAGGGGCAGCAGGAAGGGGAGATTGTACACACCCCAGGAGACA
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 45 AGAAAGAATATAATTGCAGGAGGACTTGAAGAAGTTGGAGAGAAAAAGCCTTTAG
 GGACCCTGAACCAATGAATCTGAAATTCCCCAACTGCCAGATGTATCTTCATTTTTC
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 50 ACCCCACCACCAACCCATGGTTCATGATCTCTTCGGA

BREM.1442_at (SEQ ID NO:17)

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5 CAGAAGGTTTGGCTTCCTGCCACATGATCGGACCATCGGCTCTGGGGAATCCTGATG
GAGTTTCACTCTTGTCTCCCAGGCTGGAGTACAATGGCATGATCTCAGCTTACTGCA
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TTACAGGTGCCACCACACCTGGCTAGGTTTTGTATTTTATAGTAGAGATGGGGT
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10 TTGGCCTCCCAAAGTGCTGGGATTTTAGGTGTGAGCCACCTCGCCTGGCAAGGGATT
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BRHP.827_s_at (SEQ ID NO:18)

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TGGGCAGCGCGTGAGAAGTGCTAAGCTACTTGTTTTCTCACTTGAGCCCGGGTAGGC
TGTGTTGGCCCTCACTTGGGATTCTCAGCAGTTACATGAAAGTTGTGCTGATAATCT
20 CTTCTCTTGTACCAATTTTAGTTCAGGCAGAAAATGGTAAACATGAGGGTGCTCTTGT
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25 TGGAACATAAAAAAAAAAAAAAAAAAAAAAAAAA

BRRS.18322_s_at (SEQ ID NO:19)

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30 CACATTCTCTTCGACCCCTCCCTCATTCACTGCTGCTTTGGAGTCTACTGAACATCAAG
CTTGCTATGAGCAGGATCTTAGAGCTGAGGAATTGGCCTCCCAATCCGAACAGGTG
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TAAATGGTGACATATTGAGCTGGGGGGATGCTTTCGGGGTGGGGGGACTGGTTCCA
TTCCATCAAAGGCCCTCTTGAGAGTCTATCCAGGGACCCATTGTTTTACTTTAACAG
35 ACCAGAAAAGATGTTTGTGTTTCCATGTCATTACCCCCAGGGGATACCGAATGTGTGG
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BRRS.18792_s_at (SEQ ID NO:20)

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45 AAAGGGATGTGGCTGGAGATGCGCTTGCTGGCCTCCTGGTGATAGGCCATCAGGTG
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AATCCCAGGATTTCTTCTTTCTTTCTTCTTCCAGCTCCTTCTCTGACCTTCTGCAAT
GCACCCCTGTATACCTGGTCCTGGCAGTAGACAATCTGTTCCATCTGGAAGTGGAGG
CGGATCAGCTTCTCACCTTCTCTCTTGTGCTCTAATGTCTTCAATTTTGGACTT
50 GGCGGTTCTGTGGAGGTTAAAAAACTCTTCAAATTTTTATCGCCAACCTTTTTGT
ACAAAGTTGGCCTTATAAAGAAAGCATTGCT

NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
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50 CAACCAGGAAGAACCGTACCAGAACCACTCCGGCCGATTCGTCTGCACTGTACCCG
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AGGGGCTCTTCCAGGTGGTGTGAGGGGGGCATGGTGCTTCAGCTGCAGCAGGGGTGAC

CAGGTCTGGGTTGAAAAAGACCCCAAAAAGGGTCACATTTACCAGGGCTCTGAGGC
CGACAGCGTCTTCAGCGGCTTCCTCATCTTCCCATCTGCCTGAGCCAGGGAAGGACC
CCCTCCCCCACCCACCTCTCTGGCTTCCATGCTCCGCCTGTAAAATGGGGGCGCTAT
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5 CGTGACACATGCTCTAAGAAGCTCGTTTCTTAGACCTCTTCCTGGAATAAACATCTG
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BRAD.33618_at (SEQ ID NO:26)

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15 AATGAAAACCTTAATAAATTCATCGCCATCAAGAATAAGTATGCAAGCAGCAAACCT
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CCCCACTGATAGGAAGGTCCTAGGCTGCCGTGGGCCCTGGGGATGTGTGCTTCATTG
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20 ATTGGTTTTTCTTAAGGTAAAAA

BRAD.36579_s_at (SEQ ID NO:27)

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25 AATAAAGCACTGTGGATTTCTGCCCTCCTGATGTGCATATCCGTAATTCATGAG
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30 GATAAATCAAGTGATTGGTGTGCCTGGGTCTCACTACAAGCAGCCTATCTGCTTAAG
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BRAD1_5440961_s_at (SEQ ID NO:28)

35 TCAGCACTGAGTGTTCAAAGACAGTAGGACGTCGGTTGCTGACCTGCCTCTTAGAA
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40 CAAAATGCAAAGCACTGTATCTTCAAATACTTCCTCTTGATATGGTGGAATTATAG
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GTGGTTTCATTCCAATTTCTGTATATCGGAATCATCACCATCTGTGTATGTGTGATT
GAGGTGTTGGGGATGTCCTTTGCACTGACCCTGAACTGCCAGATTGACAAAACCAG
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45 CCGGGAAATGCAAACCATTTATAGGCATGAAGCCCTACATGATCACTTGCAGGGT
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BRAD1_66786229_s_at (SEQ ID NO:29)

50 GCCTGGGACGCTGCTGCTGTTCAAGGAAACGATGGCAGAACGAGAAGCTCGGGTTGG
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TGCTCCATGTATGAGGACATCTCCCGGGGCCCTCCAGGGCACCTACCAGGATGTGGG
CAGCCTCAACATAGGAGATGTCCAGCTGGAGAAGCCGTGACACCCCTACTCCTGCC

AGGCTGCCCCCGCCTGCTGTGCACCCAGCTCCAGTGTCTCAGCTCACTTCCCTGGGA
CATTCTCCTTTTCAGCCCTTCTGGGGGCTTCCTTAGTCATATTCCCCCAGTGGGGGGTG
GGAGGGTAACCTCACTCTTCTCCAGGCCAGGCCTCCTTGGACTCCCCTGGGGGTGTC
CCACTCTTCTTCCCTCTAAACTGCCCCACCTCCTAACCTAATCCCCCGCCCCGCTGC
5 CTTTCCCAGGCTCCCCTCACCCCAGCGGGTAATGAGCCCTTAATCGCTGCCTCTAGG
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BREM.2104_at (SEQ ID NO:30)

10 GGATTCAAGCCAGTGC GGATTTTCCATATAATCCAGGACAAGGCCAAGCTATAAGAA
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CATGAACAACGACCCCAACTTCACAGAGACCATTGATGAAAGCAAAAAGGAATGG
15 CTCATTTGAGGGGTGGCTACTTGGCTATGGGATAGGGAGGAGGGAATTACTAGGGA
GGAGAGAAAGGGACAAAAGCACCCCTGCTTCATACTCTTGAGCACATCCTTAAATA
TCAGCACAAAGTTGGGGGAGGCAGGCAATGGAATATAATGGAATATTCTTGAGACTG
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20 TAGGTAATATCTGTCTTATTTTGTGTGTGTTTAGAGGT

BRAG_AK097020.1_at (SEQ ID NO:31)

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25 CAGCAATGTGGAATTATCACCCATCATCATCCAATCGCAGATGGAGGGACTCCTGA
CATAGCCAGCTGCTGTGAAATAATGGAAGAGCTTACAACCTGCCTTAAAAATTACC
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30 GAGTTTCGGGACAAATTAGCTGCACATCTATCATCAAGAGATTACAAATCAAGATC
TGTATCAAGATAAAGGAATTCAAATAGCATATATATGACCATGTCTGAAATGTCAG
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35 BRAD.20415_at (SEQ ID NO:32)

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40 GTTCCCACCCAACAAATGTGATAAGTGATTGTGCAGCCAGAGCCAGCCTTCCTTCAA
TCAAGGTTTCCAGGCAGAGCAAATACCCTAGAGATTCTCTGTGATATAGGAAATTT
GGATCAAGGAAGCTAAAAGAATTACAGGGATGTTTTTAATCCCACTATGGACTCAG
TCTCCTGGAAATAGGTCTGTCCACTCCTGGTCATTGGTGGATGTTAAACCCATATTC
CTTTCAACTGCTGCCTGCTAGGGAAAACCTGCTCCTCATTATCATCACTATTATTGCTC
45 ACCACTGTATCCCCTCTACTTGGCAAGTGTTGTCAAGTTCTAGTTGTTCAATAAAT
GTGTTAATAATGCTTAAAAAAAAAAAAAAAAAAAA

BRAD.29668_at (SEQ ID NO:33)

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GATGTTTGCTTACATAAAAGTTACCTCATAAGTTAATTCTAACTTTTATTCTTGAATT
TTATTTCAATTTCAATAGCTTGTTTCATTTGCACGCCTTTGTATTTTGATTGACCTGTA

GAATGGATGTTAGGAACTCAAAATTGAACACAGTGAAACAAATGGTATTTGAAGA
AATGTAATATCTTTTATATTCTATTTATGATATCCATAATCAAATGAGATTATTTTAC
CACATAAATGTTTTAAATATCAGATTTTTAGTTTGCAGTTTTAGGAAAATGCTTTAG
ATAGAAAAGGTTCTTATGCATTGAATTTGGAGTACTACCAACAATGAATGAATTTAT
5 TTTTTATATTCTTACACATTTTATTGGTCATTGTCACAGATAGTAAATACTAAAAATT
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ACTAAAATAATAAAATGAATTGTACTG

BRAD.30228_at (SEQ ID NO:34)

10 TAGGCCAGCCCTGTCACCCACTCCACTGCCATGACCAGGCCGAAGGCAGGGAACGC
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CCCAGAAGTTTCTATCATTCCATGGAGAAAGCTGTGTTCCAATGAATCCTACCTCTT
GCCCAGTCCCAGGCAGAGTAAGCAGGGGCCACCTAGGGACCAAGAAAGAGTAGGA
15 AGAAGGGGACGAGCCGGGAGCAAAACCACCTCAGACACCCGGGCCTTCTCAGCCTT
CTCCCCGCGGCCAGCTGGGTCTCCGGGGACCCTGGGCCCTGGGCCGCCCATTCCTGG
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CACCTTCTCTCCCTCCTCCCGACCCGCCCCCTCGCCCCACCCCTGTGTGTTTCGCCA
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20 TTTTAAATTAATAAAAACATTTTAAAAATGTT

BRAD.34830_at (SEQ ID NO:35)

TGCTCAGACCAGCTCTTCCGAAAACCAGGCCTTATCTCCAAGACCAGAGATAGTGG
GGAGACTTCTTGGCTTGGTGAGGAAAAGCGGACATCAGCTGGTCAAACAACTCTC
25 TGAACCCCTCCCTCCATCGTTTTCTTCACTGTCCTCCAAGCCAGCGGGAATGGCAGC
TGCCACGCCGCCCTAAAAGCACACTCATCCCCTCACTTGCCGCGTCGCCCTCCAGG
CTCTCAACAGGGGAGAGTGTGGTGTTCCTGCAGGCCAGGCCAGCTGCCTCCGCGT
GATCAAAGCCACACTCTGGGCTCCAGAGTGGGGATGACATGCACTCAGCTCTTGGC
TCCACTGGGATGGGAGGAGAGGACAAGGGAAATGTCAGGGGCGGGGAGGGTGACA
30 GTGGCCGCCCAAGGCCACGAGCTTGTTCTTTGTTCTTTGTACAGGGACTGAAAAC
CTCTCCTCATGTTCTGCTTTTCGATTTCGTTAAGAGAGCAACATTTTACCCACACACAG
ATAAAGTTTTCCCTTGAGGAAACAACAGCTTTAAAAGAAAAAAGAAAAAAAAGTCT
TTGGTAAATGGCAAAAAAAAAAAAAAAAAAAAAAAAAA

BRAD.37011_s_at (SEQ ID NO:36)

35 TCCCCAGACACCGCCACATGGCTTCCTCCTGCGTGCATGTGCGCACACACACACACA
CACGCACACACACACACACACTCACTGCGGAGAACCCTTGTGCCTGGCTCAGAGC
CAGTCTTTTTTGGTGAGGGTAACCCCAAACCTCCAAAACCTCCTGCCCCGTGTTCTCTC
CACTCTCCTTGCTACCCAGAAATCATCTAAATACCTGCCCTGACATGCACACCTCCC
40 CTGCCCCACCAGCCCCTGGCCATCTCCACCCGGAGCTGCTGTGTCCTCTGGATCTG
CTCGTCATTTTCCTTCCTTCTCCATCTCTCTGGCCCTCTACCCCTGATCTGACATCCC
CACTCACGAATATTATGCCAGTTTCTGCCTCTGAGGGAAAGCCAGAAAAGGACA
GAAACGAAGTAGAAAGGGGCCAGTCCTGGCCTGGCTTCTCCTTTGGAAGTGAGGC
ATTGCACGGGGAGACGTACGTATCAGCGGCCCTTGACTCTGGGGACTCCGGGTTT
45 GAGATGGACACACTGGTGTGGATTAACCTGCCAGGGAGACAGAGCTCACAATAAA
AATGGCTCAGATGCCACTTCAAAGAAAAAAAAA

BRAD.37762_at (SEQ ID NO:37)

50 GGGCGGTTCTCCAAGCACCCAGCATCCTGCTAGACGCGCCGCGCACCCGACGGAGGG
GACATGGGCAGAGCAATGGTGGCCAGGCTCGGGCTGGGGCTGCTGCTGCTGGCACT
GCTCCTACCCACGCAGATTTATTCCAGTGAAACAACAACCTGGAACCTCAAGTAACTC
CTCCCAGAGTACTTCCAACCTCTGGGTTGGCCCCAAATCCAATAATGCCACCACCAA

GGTGGCTGGTGGTGGCCCTGCAGTCAACAGCCAGTCTCTTCGTGGTCTCACTCTCTCT
TCTGCATCTCTACTCTTAAGAGACTCAGGCCAAGAAACGTCTTCTAAATTTCCCAT
CTTCTAAACCAATCCAAATGGCGTCTGGAAGTCCAATGTGGCAAGGAAAAACAGG
TCTTCATCGAATCTACTAATTCCA

5

BRAD.40217_at (SEQ ID NO:38)

ACCCTGTGCCAGAAAAGCCTCATTCGTTGTGCTTGAACCCTTGAATGCCACCAGCTG
TCATCACTACACAGCCCTCCTAAGAGGCTTCCTGGAGGTTTCGAGATTCAGATGCCC
TGGGAGATCCCAGAGTTTCCCTTTCCCTCTTGGCCATATTCTGGTGTCAATGACAAGG
10 AGTACCTTGGCTTTGNACATGTCAAGGCTGAAGAAACAGTGTCTCCAACAGAGCT
CCTTGTGTTATCTGTTTGTACATGTGCATTTGTACAGTAATTGGTGTGACAGTGTTCT
TTGTGTGAATTACAGGCAAGAATTGTGGCTGAGCAAGGCACATAGTCTACTCAGTC
TATTCCTAAGTCCTAACTCCTCCTTGTGGTGTGGATTTGTAAGGCACTTTATCCCTT
TTGTCTCATGTTTCATCGTAAATGGCATAGGCAGAGATGATACCTAATTCTGCATTT
15 GATTGTCACTTTTTGTACCTGCATTAATTTAATAAAATATTCTTATTTATTTTGTAN
NTNGTANANNANNATGTCCATTTTCTTGTTTATTTTGTGTTTAATAAAATGTTTCAGTT
TAACATCCCANNGAGAAAGTTAAAAAA

BRAD1_4307876_at (SEQ ID NO:39)

CTCCTGGTTCAAAAAGCAGCTAAACCAAAAGAAGCCTCCAGACAGCCCTGAGATCAC
CTAAAAAGCTGCTACCAAGACAGCCACGAAGATCCTACCAAAATGAAGCGCTTCCT
CTTCCTCTACTCACCATCAGCCTCCTGGTTATGGTACAGATACAAACTGGACTCTC
AGGACAAAACGACACCAGCCAAACCAGCAGCCCCTCAGCATCCAGCAACATAAGC
GGAGGCATTTTCCCTTTTCTTCGTGGCCAATGCCATAATCCACCTCTTCTGCTTCAGTT
25 GAGGTGACACGTCTCAGCCTTAGCCCTGTGCCCCCTGAAACAGCTGCCACCATCACT
CGCAAGAGAATCCCCTCCATCTTTGGGAGGGGTTGATGCCAGACATCACCAGGTTG
TAGAAGTTGACAGGCAGTGCCATGGGGGCAACAGCCAAAATAGGGGGGTAATGAT
GTAGGGGCCAAGCAGTGCCCAGCTGGGGGTCAATAAAGTTACCCTTGTAAGTGGCAA
AAAAAAAAAAAAAAAAAAAA

30

BREM.2505_at (SEQ ID NO:40)

GCCATCAAGAATTTACTGAAAGCAGTTAGCAAGGAAAGGTCTAAAAGATCTCCTTA
AAACCAGAGGGGAGCAAAATCGATGCAGTGCTTCCAAGGATGGACCACACAGAGG
CTGCCTCTCCCATCACTTCCCTACATGGAGTATATGTCAAGCCATAATTGTTCTTAGT
35 TTGCAGTTACACTAAAAGGTGACCAATCATGGTCACCAAATCAGCTGCTACTACTCC
TGTAAGGAAGGTTAATGTTTCATCATCCTAAGCTATTTCAGTAATAACTCTACCCTGGCA
CTATAATGTAAGCTCTACTGAGGTGCTATGTTCTTAGTGGATGTTCTGACCCTGCTTC
AAATATTTCCCTCACCTTTCCCATCTTCCAAGGGTATAAGGAATCTTTCTGCTTTGGG
GTTTATCAGAATTCTCAGAATCTCAAATAACTAAAAGGTATGCAATCAAATCTGCTT
40 TTAAAGAATGCTCTTTACTTCATGGACTTCCACTGCCATCCTCCCAAGGGGCCAA
ATTCTTTCAGTGGCTACCTACATACAATTCCAAACACATACAGGAAGGTAGAAATA
TCTGAAAATGTATGTGTAAGTATTCTTATTT

Hs149363.0CB4n5_s_at (SEQ ID NO:41)

GGGAAATCAGTGAATGAAGCCTCCTATGATGGCAAATACAGCTCCTATTGATAGGA
CATAGTGGAAGTGGGCTACAACGTAGTACGTGTCGTGTAGTACGATGTCTAGTGAT
GAGTTTGCTAATAACAATGCCAGTCAGGCCACCTACGGTGAAAAGAAAGATGAATCC
TAGGGCTCAGAGCACTGCAGCAGATCATTTTCATATTGCTTCCGTGGAGTGTGGCGA
GTCAGCTAAATGGCAGGGGCAGCAAGATGGTGTGTCAGACCCAGGTCTTCATTTCT
50 CTGTTGCTCTGGATCTCTGGTGCCTACGGGGACATCGTGATGACCCAGTCTCCAGAC
TCCCTGGCTGTGTCTCTGGGCGAGAGGGGCCACCATCAAGTGCAAGTCCAGCCAGAG
TATTTTATATAGGTCCAACAACAAGAACTACTTAGCTTGGTACCAGCAGAAAGCAG

GACAGCCTCCTAAATTGTTCAATTTACTGGGCATCTACCCGGGAATCCGGGGTCCCTG
ACCGATT

Hs172587.9C1n9_at (SEQ ID NO:42)

5 AACGAAAGTCTAGCCTTTTCGTACCCGTATATATAAAGACACCCCTGTTCTGATTGGA
CAAGGCAGCCTTTCCCCTGCAGCTCGATTGGTGGAGACGCCCACTCCCTGACAGAA
CATCTCCTGCATGTAGACCAAATATTTAAACTTTCCCTCCGTCCATCTTTAACTGCTG
GTGTTTTCAACCCTTTCCCCTCTGTGCCATGTTTCTAGCTTTTATTTAAAACGTACTTT
GGTTTTCTTTGGCAAAATTGTGTCTAGCTACTAGGATGACGTGTCTTAATTTTTTTTTT
10 AAATGTTGGCGCTGAAACTGGCTTTGATCAACGTTTTTAAAAAGACGCGCGCTAGTT
GTGATTGGCCAAGTGATTTCTTCTTACCCTCTTAAGTTTAGAAAGGTTAATTTTCATAT
CTTGATTTGTCTATTTAACTTTGGAGATATTTTCAATAATTTGTTCCAAATGCACCAT
GACTATTAACCTATAAGTAACAATATGAAACCTGATGTTAAGCTACATGAACACAT
TTAATTTACCACAAATATGACATCCTCATATGAAAGCACTCTCTTATCTTTTACAAGT
15 TCAACTGGTATTTGTGTAATCTGCTGT

Hs271955.16C1n9_at (SEQ ID NO:43)

TGCTACCATGCCTGACTAGTTTTTGTATTTTTAGTAGAGACAGGGTTTGACCATATT
GGCCAGGTTGGTCTTGGACTCCTGACAAGTGATCCGCCCTCCTCNNCNCNCGAAG
20 TGCTAGGGTTACNAGGTGTGAACCACCATGCCTAACTATCGTTGCTACTTTCTATTG
GAAGAGAAGGCAGCCCTGATTTAGTCTGTTTACAGTCTGCATTATGTGGAGAATAG
AGAGCCATCATAGTCCCTAAACTTTCTTGGCAGTTAACCCAGCAGGACAACCTGT
CTTTGTCTCTTGACAACTGTAACTGAGAACAGGGCCCTTGCTCCTCTAGGTGTGCA
CATTAAAGGACTTTGCACAGTGTGGATGTAGCTCATGCTGCTCTGCCNTNAGTACAT
25 GCTGCTTGAATTTTCATCATNANCCTCCACNCCTTNCACCTNCNNGNNAAAAAAAAAA
AGCGTGCAGGAAGTAGCATTTTCAATCCTTCTCCACCACCTCTGCTTCCCTTCTCCCT
TCTTTTCTCCTTGACAGATTCCCTTTAGTACNAGGGAGGGATGGTGGTTGAAAATG
GGGGGAATGATGTTGCTCAGAAAAAAAAAAAAAAAAA

30 Hs368433.18C1n6_at (SEQ ID NO:44)

ATAATGCTGGAAACAGAAGCACCAAAGTATTGTGCAATTACTCCTTTTGTAGAAG
AGGCCAAAATCCTCCTCCTCCTTTCTCCTATATTCACTCCTCCAGGATCATAAA
GCCTCCCTCTTGTTTATCTGTGTCTGTCTGTCTGATTGGTTAGATTTGGCTNCCCTTC
CAAGCTAATGGTGTGAGGTGGAGAACAGAGCAACCTTCCCTCGGAAGGAGACAATT
35 CGAGGTGCTGGTACATTTCCCTTGTTTTCTATGTTCTTCTTTCTAGTGGGTCTCATGT
AGAGATAGAGATATTTTTTTTGTTTTAGAGATTCCAAAGTATATATTTTTTAGTGTAAG
AAATGTACCCTCTCCACACTCCATGATGTAAATAGAACCAGGAATAAATGTGTGATT
GTGATAATCCCATAGCAATTTATGGTAAGAACAAGACCCCTTTCCCTCACCACCGAG
TCTCGTGGTCTGTGTCTGTGAACCAGGGCAGGTAATTGTGACACTGCATCTCATAGA
40 ACTCTGCCTGCCAGATTTTGTGTGCTCACCTCAATGGGTGAAAAATAAAGTCTGT
GTAAACTGTTAAAAAAAAAAAAAAAAAAAAAAAAA

Hs435736.0C1n27_s_at (SEQ ID NO:45)

TCCTCAGACCCAGTAATTCCACCCCTAGGAATCCAGCTTACACACACAAGAAAGAA
45 AAGATAAATGTACAAGGTTAGTCACTGCACAGTGAGACAGCAAAAGATTAGAAAG
AACCCAAGTGATTATTGATCTGGGTTTTATTCTTTTATAGCCCAACCATATGATGGA
ATACTATAATGTTGTAAAAATGGGTAAAGAGTTCTTTATGAATTGGTGTGGAAACAT
CGCCAAGATATGAAAGCCAAATGCAGAAAAATATATGTGGTATGCTATTATCTATG
TGAAAAAGACATTACTATTCTCTGGAAGGATAAACACAAATTTGAGAATGGTGGAT
50 ATCTGGGGTGAGAGGTATCCTTTTCACTGTTCTTTAAAAGTTTTGNNATTTTGGTGT
TGCCTATTCAAAAAAATGGTTAAAATCAGTTGCCACCAATTAAAAATTAGGAGAAT
GCATATAAAGAANNNAANTTCCTGTTAAAAAAAAAAAAAAAAAAAAA

Hs493096.15C1n6_at (SEQ ID NO:46)

5 GCCCATAGTCCCATCTTTTTACAGGCATTTTTTTACACCTGGAGCAGCCAGAGGACGC
ATGCATGGCTCTTCGGAAGGTAATTTAGGGATCACCCATGTAAGTTTCCTAAGGATT
TCTTTAACATGGTTCTTCTGATTCAGTCCGGCCAATTAAATCTAAATCCACCCCTGA
AAGCCATCTGGTGTGGATAACAAGCCCACAAATGAGCAGTCAGCTTTTTGTGCCCTT
TAGGGCCTGGGACAACCACGGGATCTAAAAGGGGCTGGAAGTAGAGGTCTTGAGCT
10 CCTGTTCTCTAAAATCATCTTCATCCTATATCTGCAGCCTTCTCCTGCCACGGCATGCA
CCCACACATGCGAGCCTCCCGGGTACTGTCATCCTGAATTCTGAGACCATCCAGCAC
TTCCTTTAGTTTTGCCCTGGTGTGCTGTTGACTTTTGTTTACTGAAGAGTGTGCTGGAGG
CAGGACAAGGGACATGGAAGGCTGCAATTTAAGAGTCTAAAAGGTTTTAGAATCCT
GAAGGAGGTTTAAACAAGCTGAATTGAAGAATAATACCTTTCTCAACTGGAGAGAAT
TTACATGATTGCATTATTGTATAAATTAACA

15

Hs493096.2C1n15_s_at (SEQ ID NO:47)

ATCATTTAGTTGAATCATTATAAGTCTAGGACTGTCTGTAGATGTAAATTTGTTAAG
AATTAGGACTCAAGAGTAGAATTCCTTTAATCCACATAGACTTACAATGGTGTCTGTG
CACATGGAGCCCCTAAATCATTGCTGACTGAGTAGATTTCCAGGGTAAGCCCAAG
20 AAGTTACTCCTAGAAGGGGCTGGTAGGGGAAAGAGCCAACATCCCACATGCCTGCC
CACTTTGGGTCTGGTCCCAAGAAACAACTCCAGTGGCCTCGAAAATTTAATATTGC
TGTCAGAAGGGCCTCCCCTTCAAAGGAACAGGTCCTGATAGCTCTTGTTATATGCAA
AGTGGAAGGTAACGTGACTGTTCTCTGCATTTCTGCCTTTCAATTGAGTGAAGAC
AGACAGATGATTTATTGGGCATTTCTAGCCTCCCCTTACCATAGGAAACCAGACT
25 GAAAAAAGGTGCAAATTTTAAAAAGATGTGTGAGTATCTTGAGGGGGCTGGGGG
AGAATTCCTGTGTACCACTAAAGCAAAAAAAGAAAACCTCTCTAACAGCAGGACCTC
TGATCTGGAGGCATATTGACCATAAATTTACGCCA

Hs592929.0CB2n8_at (SEQ ID NO:48)

30 TTTTTCTGAGCAACATCATTTCCCCCATTTTTCAACCACCATCCCTCCCTGGTACTAAA
GGGAATGCTGCAAGGAGGAAAAGAAGGGAGAAGGGAAGCAGAGGTGGTGGAGAA
GGATCTGAAATGCTACTTCCTGCACGCTTTTTTTCTTCTTGAGGTGGAAGGAGTGG
AGGATGATGATGAAAATTCAAGCAGCATGTACTAGACGGCAGAGCAGCATGAGCT
ACATCCACACTGTGCAAAGTCCTTAATGTGCACACCTAGAGGAGCAAGGGCCCTGT
35 TCTCAGTTAACAGTTGTCAAGAGACAAAGACAGGTTGTCCTGCTGGGTAACTGGC
AAGGAAAGTTTTAGGGACTATGATGGCTCTCTATTCTCCACATAATGCAGACTGTAA
ACAGACTAAATCAGGGCTGCCTTCTCTTCCAATAGAAAGTAGCAACGATAGTTAGG
CATGGTGGTTCACACCTTGTAACCCTAGCACTTCGTGGGCAG

40 Hs79953.0C1n23_at (SEQ ID NO:49)

ATCAGAACAAATTCATGTTATACAAATAACATCAGAAAAATATCTTAAATTATATGG
CATATTCTATTGATTCATCCACAAATTTATAAGTCCTTACCACCTTTCATTATATTGG
TACTAGGCATTATAGTAGTGCTAGGCCTATAGTAATGCTGGGGTATAAACAAGAA
TAAACAAAATAAGTTCCTTATTTTCAAGGTAACCTACAGTATAGGTCAGTGGTTCTTA
45 GCTTGCTTTTTAATTATGAATTCCTTTGAAAGTCTAGTAAAATAATCCAACACCATT
ATCCCCATTGCACATACCCCCAGATGTTTTAGACATATTTTCAATTGCTCCATGGA
CCTTAAGAAAACCTTGGTTGGTGTGCAGTTTGGTGTATTATGGGTAAAGACTGGACCTG
GTGTTAGAAAATCTGCATTTGAGGCTTTGTTCTGACAGTGTCTAGTGTAAACATGGG
CAGACCACTTAAACCTCTCTTTAGTCTTCTCTGTAGAATGATGATAATACCATCTAA
50 TTAGCAGGATTGTTGTTTTATTCAGTGAGACAGCATATGTAAATAACTTAGTAAAAT
AAAAAGCAACGTGTTTATAATGGTAAAAAA

BRMX.2377C1n3_at (SEQ ID NO:50)

TGGGAATCATGAACTCCTTCGTCAACGACATCTTCGAACGCATCGCGGGTGAGGCTT
CCCGCCTGGCGCATTACAACAAGCGCTCGACCATCACCTCCAGGGAGATCCAGACG
GCCGTGCGCCTGCTGCTGCCCCGGGGAGTTGGCCAAGCACGCCGTGTCCGAGGGCAC
5 CAAGGCCGTCACCAAGTACACCAGCGCTAAGTAACTTGCCAAGGAGGGACTTTCT
CTGGAATTTCTGATATGACCAAGAAAGCTTCTTATCAAAAAGAAGCACAAATTGCCTT
CGGTTACCTCATTATCTACTGCAGAAAAGAAGACGAGAATGCAACCATACCTAGAT
GGACTTTTCCACAAGCTAAAGCTGGCCTCTTGATCTCATTTCAGATTCCAAAGAGAAT
CATTTACAAGTTAATTTCTGTCTCCTTGGTCCATTCTTCTCTCTAATAATCATTACT
10 GTTCCTCAAAGAATTGTCTACATTACCCATCTCCTCTTTTGCCTCTGAGAAAGAGTA
TATAAGCTTCTGTACCCCACTGGGGGGTTGGGGTAATATTCTGTGGTCCTCAGCCCT
GTACCTTAATAAATTTGTATGCCTTTTCTCTT

BRAD.33405_at (SEQ ID NO:51)

GAAAGTGATAATACAGAAAGGTGGGGCTGGTGTAGGGNTNAAGNCAGGATGCTTT
15 GGNANAGCATGNAAGGTCNCCGANTCCAGTGNTNAGGAACTAATGANGGGTTTNT
NAAGANCGTNATGAGATCAATGCNGATGAGNCACTTAGAAGNAGCAATTAGTTAG
GCAAAGGGAAGTGAATGTGNAGGAGGAACAAGCATTCCAGGCAAGAAGAACACCC
TATCGAAAAGCCTGGAAGCAAAACATTAGTGAGGCTACCTTTTCATAAATTGCTTTCT
20 GTAAGTCATGCCATTGTGTAGTCTTAATTGCTTTCTCTCACCAGGGAAGGTGTGGGA
AGGACTTGTGAAATACATATTCGAGGAAAACTATGCACAAGGCCGTGCATTTAAA
AATAAACTCCCTAAGGCTGGGGTGAAACCTGCTACGGTCTGCGCAAGTTGACTGTT
AATGAATTTGATTCTCAGGTGTGAGTGATTAAGAACAACACTGATCATGTCATTTTCT
TTTTGGTCACTAATTCCCTCCCTCCCTTCTCTTTCTTTTCTTTTCTTTTCTTTTCTTT
25 TTCTTTCTTTCTTCCCGACAGAGAAAGACTCCATCTC

Hs584242.2C1n64_at (SEQ ID NO:52)

TAAGATGTTTAAGTATATCCAACCGTCCCAGACCACATTGGCCTATTTCTCCTCTT
30 GGCAACACTGCTCGGGTTTTCCCTCGCATCATCCTTATGCTATGACTGGACTAA
ATTGTAATAATACATTTTCTTGTTAATCTCCTCATTATACTATGAGCTCCTTGAGGAC
AGGTACTTTGTCTTGCTCACATCTGTAGATTCAATGCCTGGCACAGCGATTGATATT
GCAAGGGCACTTAATAAATGGTTTTTGAATAAAAGAATTGCTTAAAGTAAAATATA
GCTGTAAATTGTATTATAAAAGGACAGTGGGTGGCAGTCTGAGGTCTGCTATTTACT
35 GGTTTGGGCAAGTTACTTAATCTGTTTGCTTCCTCAGCTGTACGATGGGTAAAATAA
TAGTGGTTATCACACAGGGTGGTTACAGCGATGAAATGAGATTATGTGTGTAGGC
TACCACATAATTGTAAAGCTGATATTTAAATGGAACAGATACTGCACAGACACTTG
AGGTCTGAGAATAAGATTAGGTCAACCAGAGTATTAATGGGTAAATAAAGGTGAC
ATCCTATGCAACCAACGGTTTGATCTTTATGCT
40

BRRS1RC_NM_004065_at (SEQ ID NO:53)

GTCTTCCAGTCAGTCAGTGTCTTCCAGAAAAATCTACGTCTTCCACCAAATCCAGGT
CTTCCAGTCAATCCACATCTTCCGGAAAAAATCCAGGTCTTCCAGCCAATATATGTC
TTCCTGAAGATCCACGTCTTCCAGAAAAATCCATGTCTTCCAGAAAAATCCATGTCTTC
45 CAGTAACCTCCCAGTCTTCCAGAAAAATCCACGTCTTCCCAACAATCCAAGTCTTCCG
GATAATTTGGGTCTTCTGAAAAATCTACGTCTTCCAAAAAAGCCATGTCTTCCAGAA
AATCCACATCTTCCAATGGCCTCCAGGTCTTCCAGACTATCCATGTCTTCCAGAAAA
TCCTTGTCTTCCCTTAAATCTATAGCTTCCAAAAAATCCGGGTCTTCCAGGAAATCC
GTGTCTTCCAGCAAGTCCACGTCTTCCAACAAAGCCATGTCTTCCAGACTATCCATG
50 TCTTCCAGAAAAATCCTTGTCTTCCCTCAAATCCATAGCTTCCGAAAAAATCCAGGTCT
TCCAGGAAATCCGTGTCTTCCAGCAAATCCACGTCTTCCAACAAAGCCATGTCTTCC
ATCAAATTAATGTCTTCCAGCCTACTTGTG

BRRS.8182_at (SEQ ID NO:54)

AGCATCGTTTATGAAAACAACTAAATATTCCTAATGGTGCCAGTGGAATAAATCA
GAGAACATCCCCTGCTACGTAACCTCTCTGCATACATCAAAGAGAATGGTGTGGCTTT
5 GCTTTTTCAACAATCTACTGAGTGGCCATGGGCATGTGGATATGGCCATGAATGAGC
AAGATCCTCTCTGATCCTGTAGAAGTTAAGTTCTACCAGATAAAGTTGCTGCTTCAAC
AAAAAGATTTACCTTTTTAAATAAATGTTGTAGAATACTTAAAAAAAACAACTAG
AATTTGCCTGTGTGCAGCCAGTAACATGTCTATTTAACCTGGACACCTTTTGAGGAA
TATTCTCAGATTGCCCCCATGCTGTTTATAAGACATTGTTCCCTTATACACCTGTTTAT
10 GAATGAAAAGAAACATAAGGAGTGGGTACAAAGACTTCTATCTATGAATGATTAAA
AAGGCTAGAGTACGAATACTTCTTGAACCTTTGGTACTAAATGCTTTTCATGTTCTA
TATAAATGTAGAAAACATTTTACAAATCCTGTAAATAAAGTGTATTTTTTTATAGA
AAGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

BRMX.13815C1n5_at (SEQ ID NO:55)

TCTTTCAACATTTAGATAGTCTTTCTTAATATTTCCAGGAGAGTACCTCATTTTTATT
TTGAAAACCATTCAGCACATTTATCTTATGTAAACATGCAGAGCATATATCTATCTGT
ATTTTTAAAATTTTCTGTTACTCATTGATACATAGTACTTAATTACATGTTATTCCA
TGTAACACTGAAAACAATATAGGAAATATATACATCTAAGACTTCTACTTTGTACAGT
20 CTTTCATTAAATAAGAATACTTACACATACATTTTCAGATATTTCTACCTTCCTGTAT
GTGTTTGAATTGTATGTAGGTAGCCACTGAAAGAATTTGGGCCCCCTTGGGAGGAT
GGCAGTGGAAGTCCATGAAGTAAAGAGCATTCTTTAAAAGCAGATTTGATTGCAT
ACCTTTTAGTTATTTGAGATTCTGAGAATTCTGATAAACCCCAAAGCAGAAAGATTC
CTTAGTACCCTTGAAGATGGGAAAGGTGAGGGAAATATTTGAAGCAGGGTCAGAA
25 CATCCACTAAGAACATAGCACCTCAGTAGAGCTTACATTATAGTGCCAGGGTAGAG
TTATTACTGAACCAACTTTTTTTGTACAAAGT

BRMX.2637C1n26_at (SEQ ID NO:56)

TCCATCAGGGCACGGTAGAAGTTGGAGTCTGTAGGACTTGGCAAATGCATTCTTTCA
30 TCCCCCTGAATGACAAGGTAGCGCTGGGGGTCTCGGGCCATTTTGGAGAATTCGAT
GATCAACTCACGGAACCTTTGGGCGACTATCTGCGTCTATCATCCAGCACTTGACCAT
GATCATGTAGACATCGATGGTACATATGGGTGGCTGAGGGAGGCGTTCTCCTTTCTC
CAGGATGGAGGAGATCTCGCTGGCAGGGATTCCGTCATATGGCTTGGATCCAAAGG
TCATCAACTCCCAAACGGTCACCCCGTAGCTCCAGACATCACTCTGGTGGGTATAGA
35 TTCTGTGTAAAATTGATTCCAATGCCATCCACTTGATAGGCACTTTGCCTCCTTCTGC
ATGGTATTCTTTCTCTTCCGCACCCAGCAGTTTGGCCAGCCCAAATCTGTGATCTT
GACATGCTGCGGTGTTTTACCCAGTACGTTCCCTGGCTGCCAGGTCGCGGTGCACCAA
GCGACGGTCCTCCAAGTAGTTCATGCCCTTTGCGATCTGCACACACCAGTTGAGCAG
GTACTGGGAGCCAATATTGTCTTTGTGCCAA

BRAD.36737_at (SEQ ID NO:57)

CTGTCCAGAATGTAGAGGACAGACCCATGGGAACCTTCAAAATTCCCCTCTCAATNC
CCATTTTATGTTAGAAAATCAAGTACCGAGAATGTTAANGTTAAATTATGTGACCAA
AACAAGGAAAGAGGCTGGTAAAACTGCATTTTGCACAAAAGTGTTGATTCAACATG
45 AAGTCAAATAATATGTTCTAATGAAACCACACCTCTCACACACATATCCTTTCTCTC
AAACCTCGGTGTTACTCTGGCCAAAAGTCTTAGGTTTCTTGAAGTGTTTGTGGAAGA
GTAGATGGAGTTTTATTTAACATTATCAAGAAATCCAAGCTGCAGACCCACACAT
A

BRAD.3853_at (SEQ ID NO:58)

AGACTTTTATAGTAGCTTCCAACCTACAAAAAAGAGAAATAATCAATTATGTACTAA
TCAGACACTTTTAAAAATTACAACAGTTTATTCAGAGAAACAAGCTTTGTGTGACAT

TCTAAGCGGATTTTATTCTGCAGGTCCTTTTAAACATAATGAGTAATATTTGTGTTGG
 GAATGACTGAGAAGAAATTTTCATAATGATGTGAAGATCTACCTGTAAATAGTTCCT
 CTGTCGTATGCTGGTATTTATATTCTAGCATCTCAACAGTGCTGATGGTCACTCATCT
 TGGAGTTCCTGAATTTTTTTTTTTTTTTTCAAACTCCTGTAATGTTACATTACCCAT
 5 ACTTTTGTGTTGCTGCTGTTGTTGTTGTTTGTGAGACGGAGTGTCGCTCTGTGCCCCA
 GGCTGGAGTGCANGTNGNNCCGCGCCCGGCACATGACTGCATACTTTCAAGGAGAG
 GACTCAGAGCTTTTATTTATTTAAAGAACTTGAAAGGAGGAAAGTGGATTAAGAA
 AAAAAAAA

BRAD1_19760734_at (SEQ ID NO:59)

TTTTTTTTTTTTTACATAAAGGCATGAATATACAAGGTAATGTCAGCAGCTGTACTC
 CACTCTTTATTCGTTGCAAATCTACCTATTTGTTTCCAAAGGATGTCTGCAAATAAAT
 AGGTAACATTGTACAGCTTTCAACAGTGGATCAGAACATAGATGTCTCTTCTAATTC
 ACAAGTACCAATGGCTCAATTAATTTAAGGGACATTTTCTGAGTTGTGTGATTTTAC
 15 ATGTATTTATCGTGTCTAGAAGTGTGCAAACCTTTGTTTCATTTCTCTCTTAGATTTC
 TGTAGGAAGAGTTAAAGGATGTGAAGTAGTCATTTTACTTATTCATAACACATTTTA
 GGGAAAATTGTGCTGTTGCTGTTGGGGAGAAAGTTAAAGCTATCAACTATAACCTG
 GACTCCAGTCCAATTTTTCACATCTGGTTGCTACTTTTAAAAAGGATCATTTTAATTT
 TTAAATGCAGAATGTGTTGCACTTTACCTTTGACATTCCAGGTTTCCTCATGGTCATT
 20 TAGAAAAATAAAGCAGGAAATTCTAATGCCTTAGCATCTACTTTAATAAGATGTTTG
 CATTTATAAAAAATAACAAGAACTGA

BRMX.2797C4n2_at (SEQ ID NO:60)

TTTAATTTTTTTGAAGGATATACACCACATATCCCATGGGCAATAAAGCGCATTCAA
 25 TGTGTTTATAAGCCAAACAGTCACTTTGTTTAAGCAAACACAAGTACAAAGTAAAA
 TAGAACCACAAAATAATGAACTGCATGTTTCATAACATACAAAAATCGCCGCCTACT
 CAGTAGGTAACATAACATTCCAACCTCTGAATATATTTATAAATTTACATTTTTCAG
 TTAATAAATAAGACTTTTGAGAGTTTCAAGATTTTGTTTTAGATTTTGTTTTCTTACATT
 CTGGAGAACCCGAAGCTNCAGCTCAGCCCCTCTTCCCTTATTTTGCTCCCCAAAGCC
 30 TTCCCCCCTAATCATCACTCNCCTGCCCCCCTTAAGGGCTAGAGGGTGAGGCATGTC
 CCTCACAATTGGCACATGGTNCAAGGCCATCAGGCAAGGGNGCATTACACAAAAG
 GGCACCAGG

BRMX.10399C1n5_at (SEQ ID NO:61)

GAAACAACCTGGTAAACACAGTAAGCCCATTTCTGGGCTTTTAGAAAAACATTGCTC
 35 TCTTTTCTTTCCCCACCCAGTGTATTCCCAAGGACTTAATGCTGCACTCTGACCTAGC
 CCTCAATGATGGTTAAAACTGATTCTGAACCAAAGGTAAACAGGGTTTCTCCCCAT
 GCCTTGGAGAGCTCCAGTCTGCAGAAAGCTAATGAAGCCCTTGAAGCAGTATCTTG
 TCTTCCATCCACACTTTATTGAAATGCTTTTGAATCTTATTGTGTTGTAATTACATAC
 40 TATAGAAAACCTCCGCCAACCTCTATTTCAAGGTTTGGGCCCATGACTCTCGCTAAAA
 CATTTCAAGTTCCATTTTCCAGAACATACCATTCTAAATGCATCTGTGAGGGGCCCTC
 CACAAGTATTTTCAGTCCACATTTTCAGAAAACCTTGAAAGTGACGCAGGTTCTGACT
 TAGTTGATGGTGGGTAAAGGGAATGCCATTATGAGTGGTGGAGGTTGTTTTCTTTTT
 TCTTGCCATATTCTCAGCATAATATTTGAAACCTACAAAAGAAGTTTGATAATATAA
 45 CTGTATATTTTATGCCTGCACTAGTGGAGGA

BRMX.8912C1n3_at (SEQ ID NO:62)

GAGGTAGGAACCTGATATTCCCATTTGTACAGATGAGAAGACAGATGCTCAGAGAGCT
 TATTTGTCTGTTGAAGCCAAAACCTGTGCCCTTGACCACAATGGACACTATATCTTC
 50 TGAGCTCCACTTAATTAGAGAATTTGGATCAAGTGACTAAATAAATCACACACCAC
 ACACATTAAGATACGCCAGAGTGACAGGGACATTAATAAATCAAGTATCCATGAA
 GTTTGCTGCCTTCCAAATCAGCCCCCTATTCTTTTGCCCTAAGATATCCCATCATAGT

CTGTTTCCTTCCCTTCTCTCTTTGCCCTCAACCTTTCCTTCCCTCTTATCCATGGGAAT
GACTCTAGGAATCCTGTTGAGTGTATGTGTGTGCGTGTTCTTTTCTTTTCTCTCATG
AATATTACACTTTTATTAGCCAGCTATACTTGTGTTGATGAAAAAGACAAAATGGAA
TTTTGTTTTCTTTAACAATCAAGTATGAATGGTCTGCTTACAGGATGTCCCTTCTTG
5 GGGTCCTTGGAGGTAACAAAAGCTCATCTAAACAGGTAGCTATCATTTCTACATG
CTTAGTATCACTTCCGATTATCTTATTC

BRMX.13731C1n18_at (SEQ ID NO:63)

GGGCTGAGGGTCCTGAGGAGAGAGAGAGAGGGCCACGTGGATGGAGGACTGTCACC
10 CCCTTCTCGGTTCTGTCACCCCTTGAGTCTAACTCACTGTTGAGGGGAGGAAGAAG
GGGGATGGACGGAAGGGAGACCGAGGAAAGGCTTTCGGGAGTGGGGACATTATCC
CCCCAGAGGTGTGCTGCCCCACCCAGCTGCACCCACAATCTGGCCAACTCATTTCA
CAGTATAAATCACTCCAGCAGGACGGCATCACAGCAGCCCCTGCTGCCTGAAATCA
GAGCGGCCCAACGAGGAAGGCCAGGAGGGTTCGGCTGGCAGGGGGCAGGGTCTTGG
15 GATAACACTGTCATCAGAAACAAGGCTGGGGGCTGATTTCTGGGGTGGGGAGCCTTA
GGAGGCCAGAAATTCCAATCAGAGCCAGTTTTTCTGGGAGGGAGTGGCTAGACAGT
CAAGGAAGGACGTTACATTTCAAAGAAGTCGGGTGGGGGGATGAGATTATTCTA
GGGGGGCATCGAATTCCCTTTAAGGGGGGGGCTCACTTCTGCCAGAGTAAAGAGG
ATCTCACACCATGGAAATGTGCCAACTTTTTTGTACAAAGT

BRAD.25947_at (SEQ ID N:64)

CTTCCATTCTCATGATTTTAGGGTTATCCTCATTCAAGATCTACTCTAGTTATAATAG
TACTTTAAACAGAGCACAGAATTAAACCATTAGTATGTGAATCTGCAAAAAGAGAA
CTTGTTTTAGACTCTTCTACAGTTTAGACTTCAATGTGCATACTAAATGCATAACATT
25 CGTATCAAATAATTAACATTTATATACAATTAACAAATAAGGACAAATTTTATACAA
AACTTCTACTACTGCTATAATTTTTGAAAACATTTAACCCTAGCAAGAGGTAAGA
CAGCACTGCCTTTTTAAAAGACAGGTCATTGAATAGAGAATATAAGATATAACCA
TAAGTAGGAGTATAAACAATAATTTTTCTTCTTGTGGAATGTTTTTAAATTTCTTTT
TTATATTATTATTCTTCCTTAGGTTTTTTTAGACAGGTCATTTCTTCCTGAATGATTTT
30 CCTTTTTCTTTTATTTTTATTTTTTGAAGGAGGATTATTTACTGGTGGTCTAAAAGAA
GTACCTTCAACTTCTTCATAATTGTAGCCAAAGCGGAAATGGAATATTTAATAATTC
TTACATCTCACTAATGTAGTCTTCTG

BRMX.5143C1n2(2)_at (SEQ ID NO:65)

AATAATTATAAAGTTTATTTAAATGTTGATTGTCCCAAGGTCTACAGTTTCTTTTCTG
35 TTGTGTCATCAGTGACAAAGAGTAAAAAAAAGGAAACTCCCATATTTAGCACTTTA
GAGTAAAACACATGGATCATCGTTATTAACAGTCCTCTGGGCGTGCTGGAGCTCACT
GAGAAGGCTTCTATTTTGAGCTTGAATGTTGTGCTGAGCTGTGCAGCCTGTTCTCTG
CATCTGTTGTTCTGCATTTTCTGTTGCTCTGCCAGCCAATTTGTTTGGCTATCTCC
40 ATTTAACTCACTTGTTCTGATGGAGTCTCTCCCTCTCCTGCATCATTTGCTCGTTCT
GCCTTTGAATCGCCGCCAACCTTTGCGCTTCAGCCTTTTCAGCTTCTGCTTTCCTTG
TGCTCTGAGGAGAAAAAGATAATC

Hs633116.0C1n30_at (SEQ ID NO:66)

GTGTCAACATTTATGCTCCTAAAGGATGTTGGGTCAAATGAAATGTTCTCCTATTGTT
45 TCTCTCTCTTGATCTCTCCTTCACTCCTTCTCTTCTTGCAGGATCTCCAACCTCTTCA
TAAGGGCACTCTGTGTTACCCCTTTAAACAAAATAAAGAAGTCTACATTCTGCCCCA
GATTTTTTTTCAGGCTCCACCAAAGGGTTGGGTGAATTATGGCCCAAAGTTGGTGAG
GATGATGGTGAACCTTCAATCACCTTCAGTCTCCCAACCAACAATGGTCATGGCTTG
50 TTTTCTCCCTGGATTACATGGAGAAAATCATGCCCTACTTTTTGGACCTGTTGCTTCT
ACATTTGTATGGTAACTGTGAAACCATCCTAATGAACAGCAAACATTAACCACTAC
ATAAAATGTAGACTTTGAATAAAAACACAGCTAAGTACTAACCAGCTTGCCCTTTA

AGCCAATTCCCTGTAGCTACTTACAGCACGACTGTTAGCTCCTTTCCTTATAGTTTCT
TACTGCCTTAAAGTCACATAGATGTGGTCACAAGGCACTAACTTCCCTTAGTTATTT
CTATAAGATAATATATGTAACGTTGGCA

5 BRSA.1606C1n4(2)_at (SEQ ID NO:67)

AGTGCAGAGAGGATGAGAATATCCTTCATGGGGTCCAGTTCCAAATCTGAAGCATA
ATTTCCAACCATCAAAATATTGGAAATAGGAATGCCTAGCATTTTATGGACATTCAT
GACCCGGCTTTGAGAAGTCATAGATCTACTCATGTTTAAAAAGTTGTCTTGAAGAAC
CTCACTGCAATCATCCACTTTAGTAAGCAAGGCCACATATGCTATAACCACAGTTTAA
10 TACTTCTTTGTGAAGTTGCTTCACTTTTGCCAACATTTTAGAGTAGAGATTGTCAATA
GAGTTGATGTCTAAGACATAAGCCACACAGTGAATCCTGTCCTTCAGAGATGGAGA
GGTGATAAAAGTAGAATGCTCAGGTGTAATTGGTTTACGGGAATTAACTGTTATA
AAAACATAAGGTAACATTCAGAAATCAGAGAGCCTCTGTTTAACCCTTAAAGACAC
AATTAATGCTTCTAATACTGTAAGTACTGATCTCCCTCTTTCTCCTCAGCTACTCTTT
15 CCCCCAACAGTAGCACCTCCTCTTTACTTTCCTTTCTCACTGGGGGGCATAATGCCAC
CAACTTTTTTGTACAAAGTTCCCTTTTTTAATG

BRAD.41047_at (SEQ ID NO:68)

TTATCTTATACTAAATTCCAACATGTATCTGAGTTTGCTTCTAGATTTTCTGTTCTGT
20 CCCAGTGGTTGGATATTTCTTCATACACGTCTATCATACTGTTTTGACTATAGAGGCT
TTTCAGTGTCATTTAATATCTGTGATGGCAATCCCTACTCAAAGCTCTTTGTTTTTCAG
TGTTCTGTATTGCTCTTTTGTTAATCCCTTAATAAAAAGTAAATAATAACCCAGTT
GGCATATTATTTTGATGACATTAAATTGGGGAGAATAGATACTGTGATTTTTGAAGC
TTCCTACAAATATGATATGCTTTTCATTTGTGCAAGTACTTTAGTATAATGTTAACTG
25 GTGGTGGTAATGGAGGAAATTCTGTATGTTCTTACTTTTAGTTTCCTCTAGCGCTT
TCTATTTTTTTATTTTTTTTCAGATGGAGTCTTGCTCTGTCTTCTATCCAGGCTGAGGC
AGGAGGATCACTTGAACCCAGTAGTTCAAGGCTGCAGTGAGCTATGGTTACACCAC
TGCACTCCAGCCTGGGTGACAGAGCAAGATGCCATCTCTTAAAAAAAAAAAAAAAAAA
A

30

BRAD.4420_at (SEQ ID NO:69)

GTTAATATCTTTTTTCGTTTATTGTCTGTCTCTGAAGGTAGGGACTTTGCCTCATTTAC
TGCTTTTCAGTTCTTGGAACAATGCTCGGCACATAGGCAATCAACGAATGTTTGTTG
AATAAATGATTTTTTTCTCTGGAAATTGTCAAAATCTGCATGAGGTGTATCAGGCCA
35 GCCATTGTCAGCCTCAGTTTAGAGGCAAGGAAATAGGTTCAAGAAAGGTTCAAGGAC
GTGCTGAAGTCACAGGGCGAGGCAGCAGCAGAGAGCCTGCTTGTTGAGAGCCAAGT
CTTATGGGACTTGCTCCTTCTCTCCCACTGAGGCTGGGGACACCAGGTGGCCCA
GGCATGTGGATACCTCCAGTGGGAGGTTAGGAGAGTGCTACACAGAACTCTGAGT
TCTAACACTCTTGGGACCATAAAAAATGGAACAAGTCTGGGCATGGTAACTCACGC
40 CTGTAATCACAGTATTTTGAGAGGCTGAGGTGGGAGGATCACTTGTGGCCAGGAGT
TCGAGGCTGCAGTGAGCTATGATCCTGCCACTGTACTCCAGCCTGGGCAACACAGA
GAGACCTCACTTCTTTAAAAAAAAAAAAAAAAAAAAA

45 Hs137007.0C1n9_at (SEQ ID NO:70)

AGGAGAAAGGGAAGTCAAATGTCTCGTCCAAGTCTACACAGCTAAAAAGGGGCAG
AACTAGGGTGACGCTCAGGCCTCATTTAGAGATCGGGGGTTGGCGAGAAGTGGGGT
GGGCTTCTGGAGGGGCTGGGAGAGCCCCACAAGGCTGCAGAGGGTGGTGAGCCCG
GAGTGGGCCTGGCCTGGTGTGGGCTGGGGGTATGGGCAGGAGCTGCAGACAGCAG
50 GGCTGCACCAGCGGACCAGTTTCAGAGGCAAGGGTTCTAGGCCCTTGAGAATCCAC
AGTGCCAAACAGACCCAGATAGCTACGGGGTGGTACCTGGGGAGGCCTTAGGACA
GGCAGAAAGTCCCAGAGGCGAGGGCGTTGCCTGGGGACGTTTTTGCTCCCTGTCCT

GCTGACAGAGCATAGGAAGTGTGAATGTTTTCTACCCCTCCTCTCTCGGCTCAGCA
GAGCTCCAGCGAGCCAAGTCCTTGTCTGTGGAGACGCATCAGTCCCTGGCTCTAGG
GAATAGGGAGTCCCACAGACAGGGGGGTGTCAGCAAGCTGAGAGGGTCTGTAAGT
AGGTACGGAATTGAGTCAGGAAACAGTCTGGGTGTGGAGTGAG

5

BRSA.18050C1n3 at (SEO ID NO:71)

TGCAAAAAGGCCAAAAAAGCAGCTTTTAACATTATATCATTATATCACAAATTTTGAA
ACATGGGNNNNNNNNNNNNNNNNNNNNCCATTGTGTGGATAAAATGGTCTCCGTGA
CATTGAGCAGAGTGTTATCNNNNNNNNNNNNNNNACATTATTGCACAGAGATTTCTCA
TCAATGTTCTTCAGTTTTTATGTCTTTTCCTAAATGTGAATAAGTGCTATGGATAAAA
TACAAATGTAGAAAATAACAGCAGCATGATTTGTCAAAGTTAATCCCTATAATTTA
GTAAGAAAAAATGGATATAAACAAAATAAGTGCTCTTTCTAAACTGTACTAAATTT
TCAAAAATATTGTTTTAATGCAGTGAAGGTCCTGAAAAGCCTATTGAAAGCGATGC
TGAGTCCTGTTTTCAAAGTGTCCTGTTTGGGTTTTCTTGGTGAAGAGCAGAATTTTC
AAGTGAAGTAATCGACGGACTAATTTAAAACAAAACAGCCCTCGGCTTCCCTATTG
GCCTGTGAGGGCACCGGCTCCGGGACCCTGACCTGGGAGGCAGCGAGTGGTGGGG
GTGCCTGGCCCCCATCTACACGTACACAGGCTGGCCAA

BRMX.2948C3n7(2) at (SEQ ID NO:72)

20 GCACGTCTACGGGGCTGGACAGAGTGTGGTTAACCGGGGAAGTGGGCAAGCCGGC
GCCGAGCCTGCGTCAGCCGTGCAAGCCGCTCCTTCAGGAAGTCCGCTTGTGCTGG
TGTCGCTCCGCTCCTTCAGGAGCCAGCTGTAGGTGTCCTTGTCTTGCAGGAGCTGCA
GCATGGCCTTCTGAAGCTGCTGGCCGTACGTCTGGAGCATGAAGAAGTGGATGATC
AAAGGGATGTGGCTGGAGATGCGCTTGTGGCCTCCTGGTGATAGGCCATCAGGTG
25 CTGAAAGATCTCCTCCATGGAAGAGTCTGTTGCCGAGCTGGACTGGAAAGCCCCAA
AATCCCAGGATTTCTTCTTCTTTTCTTCTTCCAGCTCCTTCTCTCTGACCTTCTGCAAT
GCACCCCTGTATACCTGGTCCTGGCAGTAGACAATCTGTTCCATCTGGAAGTGGAGG
CGGATCAGCTTCTCACCTTCTCTCTCTTGTCTGCTCTAATGTCTTCAATTTTGGACTT
GGCGGTTCTGTGGAGGTTAAAAAAGTCTTCAAAATTTTTTATCGCCAACTTTTTTGT
30 ACAAAGTTGGCCTTATAAAGAAAGCATTGCT

Hs43047.0C4n40 at (SEQ ID NO:73)

[illegible]

45 Hs926.1C10n7 at (SEQ ID NO:74)

50 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGATGAGCCAG
GCATGGTGGTATGTGCCCTTAGTCCCAGCTATCTGGGAATNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNNNTGACGGCAAGAGCCTGTCTCTGNNNNNNNNNNNNNNNNNNNNNNNNNNNN
NNNNNNNNNTCTGATCAGTTAAATGAATATGGAACTTAATCTTGTACCCCTTACCTC
CCAAGCATAACAGCCACAGTTTACCGTTGGAGGGATCTTTCCACGGAGGTAAACAGT
GCTGTTTTCTCCAAGTGCCAGAACAAAAACACAACAGCACACACAATGAGATGG
TTTGGCTCTGTGTCCCCAACCAAATCTCATCTCAAATTGTGTTTGGCTCTGTGTCCCC

AACCAAATCTCATCTCAAATTGTGTTTGGCTCTGTGTCCCATCCAAATCTCATCTCA
AATTGTAATCCCATGTGTCAAGAGAGCAACCTGGTGGGAGGTGACTAGGTCATGG
GGGTGGTTTTTCTCATGCTGCTCTCATGATGGTAAGTGAGTTCTCACAGGATCTGAT
AGTTTAAAAGTGTTTAGGGGCTGGGAGCAGTGGCTCAT

5

Hs528836.0CB6n98_s_at (SEQ ID NO:75)

GGGTGAGGACCCACAGCTCTGATGTGGGCGCTTCAGGCCATGGTGGAGCTGAGATT
CAGGTTGGCTTTTCCCCTCAGCTCCCAGCTGGCTGGTGAACCCATCATCATAGCCAA
AAGTACTCAGCAGCAGCACCTCCAGGTCCAGAGGCACCTCCAGCTGCATGCACACA
10 CAATGAATGAAAGACTGCCAGGTGTCCGAACCCTGGACATGCAGCTTGTTGAGTTG
CAGGATGACTCTCTGTTTCAGGGTCCAAGGTCTCGTTCCTGGAATCCAGGTCCGTGTT
GGGGAGGAAGAACTTCATCTTGGCGTTCAGCCATTCTGGGTCTTTGGTGAGCAGCCT
CACAAGACAGCTCCACAGGTTCTTGTTGCCGAGCTGGAGGCCAACGGGGTCCATGA
GGAGCCAGCCTTGGTCTCCTCGTTCATGATAGGTGCTCTAGGGTCCCCACGGAGAG
15 GGTCTCATGGGTGTCTGGGCTATGTGTGCCTTGAGCTGGATTGACAGGTTGTTTCCA
TAGTGCAGACTCCCTCAGCGCTCGCGGCTCCTCCGCGCTCTGCACGAAACTGAAAGT
AGAAGCCGCCGCCTAGAGCTGCTCCGCCAGTGCAT

BRMX.7284C1n6_at (SEQ ID NO:76)

20 TGGCAAGGACATTGTTTTTGTCTAGTGTCTCAAGCTTCTCTACCAAGAGAGTCATAT
TTCTTATCTCCACCTCCAGCTGGTCAACAATTTCTGAGCTTCCACCAAACTCTCCTT
CAGCTGTATGACCAGTTTTTCCATCTCCTTCACTTCTACCTTGATCAGCTCGAAGTCC
AGTTCAGTGTAAGAAATGGTATCCTTCTCCATGATGTCAATTTCGGACAGTTAGGTTT
AACAGTTTCTTTTCATACACACTAATTAATTGGACATATTCCCTCACTTTAGAAAGTT
25 CTTTCTCAAACCTTCTGAGAAAGAACATGAGCTGTGAATTCCAAGCGTTCCACTCTGT
CCACGGGAAAGGTGGTGTCTGGCAGGGAAACAGAGCACTGGCAGGTCCCACGGTC
ATCCACGGAGCCGGTGAAATTGGAAAACAACCTGGGACACAGAACCTCCGCTGCCTA
AGCTGCGGCTGGAGCTGGAGCCCCGACCTGGAGCTGGAGCTGAAGCTGGAGCTGGA
GTCAACACCTGGGAAAGAGCTGAAGCCGGGGCTGGGAATTGGAGGTCCCACATCCC
30 CCAAATCCCCTGCAGCTTGGCCAAGGAAGCCAA

BRAD1_19751014_at (SEQ ID NO:77)

TCTTTTATTGAAAGAAAAACAATACAATGGACTTTAAAAAGCTACATTTGTTATGG
TTCATAAGGACAGAGGTTTACACAGGTTTTATATATGTACACACTGACAATACTATA
35 TCACAACATCAGAGGCACCATTTTTGCCACAGAATTAGGTAATGAATAAACTTCTC
CAAATTAATCTGTTTTAAAAAATATCTAAAATGGTACAGTATATTTGAGGATTATATA
AATATGTGAGACATATTTAGATATTTTTTAAAAAATAGTGTTTATATATATGCATCAC
AATCTTCTCTAATTCTCAAAATATTATGGCACCAAAATTCTGTTTGTCAAATAAAAC
ACAAGATGCTGTAATATGTATCCAAGCACAGCTTAGCACAGTATTTAATTCTCCCC
40 CAAACTGAAAGACTGCTAACAGGTACAACTGAACTGAATATTTACACAAACCATT
GAAATAATTTAGGCCCTCAAATTTTTTTTTTATTAGCTGATTGTTTTTAGAGAAAAA
AGAGGGAGCTAAACCATTTACATTAATGTTGCTCTGTGTGATAGAATCAATCCTAGG
GCTCAGAGAAGATATTCCTAGGCACTGGAGA

BRMX.13502C1n6_at (SEQ ID NO:78)

45 TCAAACCTGAATCNTTTAAATTTATTTTCTGCTTAAGCAGGTTTGAGTTGGGTTTTCT
ATTTGCAATAGCAAAAGTCCTGACTGGCAAGGTTTAAAAGTTTGAAGACTCTCACA
GGTAAGTGCAGCTCAGGATCCTGTGAGTGCAGCAGAAAGTCTTAAGAAATGGCAGG
GGCTGGTTGAACCCAGATTTTCCATTGGCTGAGCAGATATCCCCAGAGGCGTAGAA
50 AATTAAATTTGTTTTATGTTGTTCCAAAAGAGGAGAACTGAGGCCAGAGGAGCACA
CTTCTGAGACACTCATTTTTGCTGGGTAGAGGAACTCTCTGGGCAAGCAGGACCATC
GATATTAGAGCAGCTGGCCTCAGGAGGGGAGTAAGAGCCCCATCCCTGAAGGTACA

CAAGTTGTGGCAGCAACCATCTGGCCTGCAGTTTCCAGAGGGGAGTCAGGCGTGGG
GTGGGACTGGAGTGAACGGGTACC

BRMX.1111C4n3_at (SEQ ID NO:79)

5 TTTTTTCTTCTTTTCTTGGGTTTTCCCAAAGTAGAGTTGTTTGCAATATCCACAG
TATCCATTTTGCCACATGCTTGGTCACTTTCCTTCCCTTGCTTCCGGGCTTTCTGGCAC
TTCTCCTTGTTTAAGACTTAGTTTGATGTCAGGCCTCTCTTCCCTTTCTTTTCGATCAC
TTTCTTGGAAGACAATTTGTCTTGGATTGCATTTTTGAAGCTTTTATAAATGTGAAT
TAAATCGGGGTATTCCTGCATGTTGACCTCGCTGAACAGTGCTTCCAAAAGTACAG
10 GTTAAATGTCTTCTCCAGTTCAGTGAACATTGTACACCACTCTTTGTACAGGGAC
CAGGTTTCTACAAGAATCTTCAGAATCTTCAAACATTTTATTTGTGATGAGTTCCCG
ATCGCGGAGGCCCTCAAGGAATGGAAATGTCTTTTTTATTGCATTTGATATCTCCAG
CTTATGTCTTTTGAAGTGCTTGAATACAGTGTCATAGACAAGTCCCTCATCTACATC
CTGGTCTTCCGTGAACAGCCTGGCTCGGAAGGTCCTACGCCACGGACTCTCACTGA
15 TTGCTAGCACAGCAGTCTGAGCCAA

Hs369056.9C26n3_at (SEQ ID NO:80)

CCTTCCCCATTTCTCACTTTCCACAGGTGGGATGTGGCAGTCCTCATGGAAGACTCT
TGAACAAGTGTGCGAACAGAACAGCTCCCCTCCGTCCCGGCACACCTCACACTCAT
20 CCAAGTTTCTCATCTAGAAGGTAAAACAGTGTCACGTCAGTGGGAATCACAAGAT
TCAGGAAGGCCACCCCTCTGGGCATCTAGAACACACTGCTTATGTGTGAGCCTGTAT
AGACAGGCATATGCTTCTCCCTGGGATATGAAGGAAAAATATGGCATGGAGATTTC
AGAACAATCCTGGTCTGCAGTGAAGTTCAGGAGGAAGGGGTATATGTCAGAATAA
AAACGTTTTCTTATAAAACCAGAGATTATGACACAGAAAGCCTAGCAACAAAGCA
25 AGAGGATGATCTTATAGGAATCTGAATAATTGTATTATGCTGCAGATAAAACCAGG
TTTTGAAGTAAAAGTGTTAAATCCATTTGTCTATACTACAAATCAACTCATGAAAGG
GAGACCCAGAGAATTACATATGATGGAATAACCTTCTAAGATATCATCACATCCCA
TATTCTTGGCCATAAGTTCCCCATGAGTTGAAGACAG

30 BRMX.24432C1n2_at (SEQ ID NO:81)

GTGGCTGTTGCTGGCCCCACCTCCGCTTATGTCCTTAACATGCCTCAGGTGGTTCAT
CCCTTTTGGCACTCATGGTGCCCCCTGTGGGCTGATACAGGAGTGAGTCTACTGTGA
AGGCACTCAGTATAGTGGAACAAATATCAACCTCCTGCTTTTTTTTTCAGTGTA
AACTATAAGCTCTATGGGAGTTTCTGCAGATGGTACCATAATGGCCTGAGGGAGG
35 AGTATCACAGTCACAGAGTATTGGTTCTCTCACTGCATAAGCCATGGTTTTTACCCAC
CTTCACAGGCTAAAGGTGCTTCATAACCTTGTTTCATGTATTGAGGTTCTGTTGGCTCT
TGTAATGGTAATTTACATGTGGGCAGTTGTTTCATATTGATGTTTCTATAGGGGTAT
GATAGCTGGAGAGGTCTGCGCCACTGTCTTGCTCTGCCTTGATCANNNNNNNNNN
NAACAAGAATTTGTCTCCTCCTAGTTTTTCTTTTCTCTTAACCGACCTAGGTTTAGC
40 CTTTAAATCCTTCTCCCTCCTCTGCTTCTAATGTCATTGTTTCTTTGTATGCCTATCAT
ATCTACATGCTACATGACCTTCAGCTGG

BRRS.17773_at (SEQ ID NO:82)

AGTTTTAAGGAAAAATTGTATGATTTAAAAGATTATAAACTTTATTACTGGGCTAT
45 TTACACATTTTAATTGTTTCTCATAAAATATATAACATTACAATATTTATGGAAGTA
GGATATTTTGTATCATATGTACGATGATAATTTATAGGGTATTTTAAATGATGTTTT
TTAGCCTCCTTAAGTTTTAAGTGGATCTTGCAAATGAAAACAAGTATTATTGAGTTT
GACATACTCAAATTGCCCAAATATCAGCTGTTTAAACAACCAAGTCATCATTGATAC
TTTAGTAAAGGTTAGTAAATGTCATCAAAGGCTTATTTGCAGTTTACAGTTTTTATT
50 ACTTAGGAGACTTAAGGAGTACCTGCCAGGTTTGTCCATGCTAATGCTACGATTTTG
TTTTTGAGTTCAACCATAATTTTGTATGGAGATACTTTGAGGCTCTGTAAATTTCTGG
TTACTCCTCAGAACCCACTAGATTTAGCATTTTCATGGATGACTTGTGTTTGAACAAT

TATTACTATAATGGTTGCCAGATGATTATTTTCTTATTCTCTTCTTTGTTCTACATGG
AGAAATAAAACCAATAAATAAGGGAGA

BRAD.10849_at (SEQ ID NO:83)

5 GTGCCAATGTGAAGTCTGGATTTTAATTGGCATGTTATTGGGTATCAAGAAAATTAA
TGCACAAAACCACTTATTATCATTTGTTATGAAATCCCAATTATCTTTACAAAGTGT
TTAAAGTTTGAACATAGAAAATAATCTCTCTGCTTAATTGTTATCTCAGAAGACTAC
ATTAGTGAGATGTAAGAATTATTAAATATTCCATTTCCGCTTTGGCTACAATTATGA
AGAAGTTGAAGGTACTTCTTTTAGACCACCAGTAAATAATCCTCCTTC

10

BRAD.10890_at (SEQ ID NO:84)

AATGCTTATGTCTAAAAGAGCTCGCTGGCAAGCTGCCTCTTGAGTTTGTATATAAAAG
CGAACTGTTACAAAATGATCCCATCAAGGCCCTCCCATAATTAACACTCAAACT
ATTTTATAAATATGCATTTGAAGCATCTGTTGATTGTATGGATGTAAGTGTTCCTAC
15 ATAGTTAGTTATAT

BRAD.11026_at (SEQ ID NO:85)

CTGGGCACCTCTGGGACAGCAAAAAAACTGCAGAATGCATCCCTAAAACTCACGA
GAGAGGCAGTAAGGAACCCAGCACAAAAGAACCCTCAACCCATATACCACCACTG
20 GATTCCAAGGGAGCCAACCTCGGTCTGAGAGAGGAGGAGGTATCTTGGGATCAAGAC
TGCAGTTTGGGAATGCATGGACACCGGATTTGTTTCTTA

BRAD.12809_at (SEQ ID NO:86)

ACCATGTTTCATCTTGTCTCTCCAAGTTATGGGGGATCTTGTACTGACAATCTGTGTTTT
25 CCAGGAGTTACGTCAAACCTACCTGTACTGGTTTAAATAAGTTTACCTTTTCCTCCAG
GAAATATAATGATTTCTGGGAACATGGGCATGTATATATATATATGGAGAGAGAAT
TTTGCACATATTATACATATTTTGTGCTAATCTTGTTTTCCTCTTAGTATTCCTTTGTA
TAAATTAGTGTTTGTCTAGCATGTTTGTTTAATCCTTT

30 BRAD.14326_s_at (SEQ ID NO:87)

GATGGCTGGTCTGCCCCCTAGGAGACTCCGTCGCTCCAATTACTTCCGACTTCCTCC
CTGTGAAAATGTGGATTTGCAGAGACCCAATGGTCTGTGATCATTGAAAAAGAGGA
AAGAAGAAAAAATGTATGGGTGAGAGGAAGGAGGATCTCCTTCTTCTCCAACCATT
GACAGCTAACCTTAGACAGTATTTCTTAAACCAATCCTTTTGCAATGTCCAGCTTT
35 TACCCCTA

BRAD.15436_s_at (SEQ ID NO:88)

GGCATGGAGCATCTGTACAGCATGAAGTGCAAGAACGTGGTGCCCCTCTATGACCT
GCTGCTGGAGATGCTGGACGCCACCGCCTACATGCGCCCACTAGCCGTGGAGGGG
40 CATCCGTGGAGGAGACGGACCAAAGCCACTTGGCCACTGCGGGGCTCTACTTCATCG
CATTCCTTGCAAAAGTATTACATCACGGGGGAGGCAGAGGGTTTCCCTGCCACAGT
CTGAGAG

BRAD.15833_s_at (SEQ ID NO:89)

GAAATTAGAGTCCTATATTCAACTAAAGTTACAACCTTCCATAACTTCTAAAAAGTGG
GGAACCAGAGATCTACAGGTAAAACCTGGTGAATCTCTAGAAGTTATACAAACCAC
AGATGACACAAAAGTTCTCTGCAGAAATGAAGAAGGGAAATATGGTTATGTCCCTTC
GGAGTTACCTAGCGGACAATGATGGAGAGATCTATGATGATATTGCTGATGGCTGC
ATCTATGACAATGACT
50

BRAD.19080_s_at (SEQ ID NO:90)

TTAGATTTCCAGCTTGTACCTTCAAGGTTACCTTGTGAATAGGACTTTTTTGAGCTA
TTTCTATCCAGTTGACTATGGATTTTGCCTGTTGCTTTGTTTCCACCAACTCTCCCTG
AAGATGAGGCGCACAGACAGACAACCTCACAGGCAAGAACAGCCTGGTCCATCTTG
AAAGATTCTCAAGACTATTCTCCACAAG

5

BRAD.2707_at (SEQ ID NO:91)

TGTTTAAAAATGTTGTGGGTACATAGTATGTGTTGTGGGTACATCGTATGTGTTGTG
GGTACATAGTATNGTGGGGTCCATGAGATGTTTTGATACAGGCATGCAATGTGAAA
TAAGCACATCATGGGGAATGGGGTATCCCTCCCCTCAAGCGTTTATCCTTCAAGTTA
TAAAAAATTCAATTACAGTCTTAGTTATGTCAAAATGTAC

10

BRAD.27716_s_at (SEQ ID NO:92)

ACCAGAATTTATGGATGAACTGATTGCTTATATTTTAGTCAGGGTTTATAAATGTAG
ATGGTCAAATTTACATTGCCTAGTGATGGAAAATTCAACTTTTTTTGATTTTTTTTC
CAATATTAAAAAAGGCTCTGTATGCATGGTGGG

15

BRAD.28628_s_at (SEQ ID NO:93)

AAGATTCCTGTGTACTGGTTTACATTTGTGTGAGTGGCATACTCAAGTCTGCTGTGC
CTGTCGTCGTGACTGTCAGTATTCTCGCTATTTTATAGTCGTGCCATGTTGTTACTCA
CAGCGCTCTGACATACTTTCATGTGGTAGGTTCTTCTCAGGAACTCAGTTTAACTA
TTATTTATTGATATATCATTACCTTTGAAAAGCTTCTACTGGCACAATTTATTAT

20

BRAD.28643_at (SEQ ID NO:94)

TCTCCTCTCATCTGCATTTCTCAGAAATGCCCTCCCTGCCAGTGTTGACTTTCCCTC
GTCACCTCTATGGAGTTCTACCTGGAGCCCAGCCATGTGTGGAAGTGTGAAGTTTAC
TCCTCTGTAAAGATGGTTTAAAGAAAGTCAGCTTCTGAAATGTAACAATGCTAACCC
TTGCTGGAACCTGTAAAGAAATAGCCCTGCTGATAGTTTCTAGGTTTATCATGTTT
GATTTTTACTGAAA

25

BRAD.28663_s_at (SEQ ID NO:95)

GAATTTTTCTCTATTTCCAGCACGCTGATTTGATTTAAAAATGTAATAAGACCAAGA
GTTGGAGTAAAGGGATATTCATTCCATGTTAAAGTGGCTTCATAGCTACTGACAA
ATGTCTGAACTATTGTCGTGCCCTTCAAACTGGAGTTTCTAAAATAATCTTATTTT
TATACTTGTATGTTCCAGCAATTTAAGATATATACCATTGAAAGGGAAAT

30

BRAD.29038_at (SEQ ID NO:96)

GGCTGAGCAAGGCACATAGTCTACTCAGTCTATTCCTAAGTCCTAACTCCTCCTTGT
GGTGTGTTGGATTTGTAAGGCACCTTATCCCTTTTGTCTCATGTTTCATCGTAAATGGCA
TAGGCAGAGATGATACCTAATTCTGCATTTGATTGTCACTTTTTGTACCTGCATTAAT
TTA

40

BRAD.30917_at (SEQ ID NO:97)

AACGCAGGCCGCTTTATTCCTCTGTACTTAGATCAACTTGACCGTACTAAAATCCCT
TTCTGTTTTAACCAGTTAAACATGCCTCTTCTACAGCTCCATTTTTGATAGTTGGATA
ATCCAGTATCTGCCAAGAGCATGTTGGGTCTCCCGTGACTGCTGCCTCATCGATACC
CCATTTAGCTCCAGAAAGCAAAGAAAACCTCGAGTAACACTTGTTTGA

45

BRAD.31470_at (SEQ ID NO:98)

TCATCTCCGTATTCTTCAGCTTCATCCAAAACCTGACTTAGAAGCCTCCCTTGACCCCTC
ACCTGACTATTACAGGTTATAGCACTTTATGTTTTTCAGTTCTGTTATTTTAATTGG
TGCTCTGTTTGTGATCTTTAAGAACATAAAATTCTGGCAAGTAACTATTTGCTA

50

BRAD.32716_at (SEQ ID NO:99)

CACTTTGCAGCCTTGAGAGGTGCAGAAGAGACACCGAGGGGTTACCACCAGAGCC
ACCATTGTCAGAGAGGGCGTCCAGCTGTGTCCACCTGGGACTCTGCCTTCAGGGCTTC
TTGCCTGGCTGGGAGCTGCACAGGCAGACTCCTGGGACGGTGTGCCGACAGCTCTG
5 GGCACCCCCTTCTAGGATCTGATTCTGAGGAATCACAATGTGGATTTACAATCAC
TTCCAGTGTCTTTTGCCAACCTCTGTGAACAGATGT

BRAD.33042_at (SEQ ID NO:100)

AAGTTTGCACAGTTCTAGACACGATAAATACATGTGAAATCACACAACCTCAGAAAA
10 TGTCCCTTAAATTAATTGAGCCATTGGTACTTGTGAATTAGAAGAGACATCTATGTT
CTGATCCACTGTTGAAAGCTGTACAATGTTACCTATTTATTTGCAGACATCCTTTGG
AAACAAATAGGTAGATTTGCAACAAATAAAGAGTGGAGTACAGCTGCTGACATTAC
CTTGTATATTCATGCCTTTATG

BRAD.33341_at (SEQ ID NO:101)

GACTGCACAGCAGCAAGACAGATTGCCATGGAGCATGTTGTGCCCAACTAGGGACA
GCGCAGATAGATTCTGTAATTTGCCTAACAATGTCTATAGGATGATCCCATTTGTCA
AAAAAAAAAANNGAACTGGGCTTTATTGATGTCACCTAAATGCACCTAACTTCTTTT
TTGCCCCATGCTCTTCTGTACTCTTGATCTTTCCCAAATTTTAAAAACATGACACT
20 CATTCCCTTATTTTTCCTACTTAG

BRAD.33405_at (SEQ ID NO:102)

TTAATTGCTTTCTCTCACCAGGGAAGGTGTGGGAAGGACTTGTGAAATACATATTCTG
AGGAAAAACTATGCACAAGGCCGTGCATTAAAAATAAACTCCCTAAGGCTGGGGT
25 GAAACCTGCTACGGTCTGCGCAAGTTGACTGTTAATGAATTTGATTCTCAGGTGTGA
GTGATTAAAAGAACACTGATCATGTCATTTTCTTTTGGTCACTAATTCCCTCC

BRAD.33431_at (SEQ ID NO:103)

GTCATCCAGAGTTATAATGGCCCATTATCTAATGGTCAGAGTTTACTTAGGCTTTCA
30 CTACTTCCACTGCCCACTTGAAACAGGGGAAAAATATTTTCCCCCGCGCTGTGAGTG
TGCTATTTAGAGCTGACCACAAGCGGGGGGAAGAGAGGATGGCTCGGATGCTGCAT
TTCCACTGAGAACACAAGGCTGGCAAAGCTTGTCTGCTGCCAGCAAGCACTTCAG
GCTCACACCATTTTAGGTTCACTTTAAGTAGTTTCTCAAT

BRAD.35695_at (SEQ ID NO:104)

TGGACAGTGGACGTCTGTACCCAAGAGAGTTGTGGGAGACAAGATCACAGCTATG
AGCACCTCGCACGGTGTCCAGGATGCACAGCACAAATCCATGATGCGTTTTCTCCCT
TACGCACTTTGAAACCCATGCTAGAAAAGTGAATACATCTGACTGTGCTCCACTCCA
ACCTCCAGCCTGGATGTCCCTGTCTGGGCCCTTTTCTGTTTTTTATTCTATGTTTCA
40 CACCACTGGCACCAAATACATTT

BRAD.35710_at (SEQ ID NO:105)

TCCATGGCAACAGTCCCAACATGTTTGAGACTTCAGCTAAAGGAATGGATGTATNN
NGNGTGTAGTCTTCAGTATATCACTGTATTTCCGTAATACTAGACTCNAAGNTATG
45 CNAGATNGNTTATTCCCTTNGTGAANNNGGAGTTGCTCATTACGTTCTTGAAATATC
GCACATCCTGTTGGTTCTTCAAAGGAAGCCTTTCCACCAGATTAGTGTTCAAGTCTT
TGCAGAGGAGACCAACTTTT

BRAD.37907_at (SEQ ID NO:106)

AAGGCTATGCTTTCAATCTCCTACACAAATTTTACATCTGGAATGATCTGAAGGTTT
50 TTCAAAGACATTCAAATTAGGCTTTTTTATGTCCTGTTTTAAGTGAAAATATTTATT

CTTCTAAGGGTCCATTTTATTTGTATTCATTCTTTTGTAACCTCTTTACATTTCTCTT
TACATTTTATTCTTTGCCCAAATCAAAAGTGATTCCT

BRAD.40353_at (SEQ ID NO:107)

5 CTTAGCATTAGAACACTCAGTAATCATATGAATTGTGCATTTGTTTGTTTGGCTTAAC
TCTTTCTGTTTGTTTATGTTTGGGGTTTTATTGTTGTTGTTTCACTTTTCTCCCATCTCT
TCCTGACTTGGTCAAATCCAAAGGAATNTTCCAAATTGTGGGGAGCAAGGCATCTG
AAATGGCTAAAAC

10 BRAD.40654_s_at (SEQ ID NO:108)

ATGCTATATGCTGTATCCCACCTTTCTCTGAATGTTACATTTTCTCCCCTATCCCAGG
CTGCATCTAAGAAAACCTCAAAGGGAATATGCTATCTATCTTTTCCGAGCAATGAAA
GCTCTNGGGTTTTTTCCTTGCTTTTCAGGGGCACNATACTTCTCTTTCTTCTCCTGGTTAG
ACAGGATAAGTTCTGAGTCCCNTGGTATCATCAGCTTACTTCTTCTCTGTAAATATT
15 CACA

BRAD.4701_at (SEQ ID NO:109)

GTGGTCTTCCTCTGAATATTAGCAGAAGTTTCTTATTCAAAGGCCTCCTCCCAGAAG
AAGTCAGTGGGAAGAGATGGCCAGGGGAGGAAGTGGGTTTATTTTCTGTTGCTATT
20 GATAGTCATTGTATTACTAGAAATGAACTGTTGATGAATAGAATATATTCAGGACA
ATTTGGTCAATTCCAATGCAAGTACGGAACTGAGTTGTCCCAAATTGATGTGACA
GTCAGGCTGTTTCATCTTTTTTG

BRAD.5967_at (SEQ ID NO:110)

25 TATCCTATTACTGTACTTAGTTGGCTATGCTGGCATGTCATTATGGGTAAAAGTTTG
ATGGATTTATTTGTGAGTTATTTGGTTATGAAAATCTAGAGATTGAAGTTTTTCATTA
GAAAATAACACACATAACAAGTCTATGATCATTTTGCATTTCTGTAATCACAGAATA
GTTCTGCAATATTTTCATGTATATTGGAATTGAAGTTCAATTGAATTTTATCTGTATTT
AGTAAAAATTAACTTTAGCTTTGATACTAATGAATAAAGCTGGGTTT

30

BRAD.7701_at (SEQ ID NO:111)

GGGATTTTGGAGCTATCATCTCTGCACATGCTTAGTGAGAAGACTACACAACATTTCT
AAGAATCTGAGATTTTATATTGTCAGTTAACCCTTTTATTATTTCATTACCTCAGG
ACATGCAGAAATATTTTCAGTCAGAACTGGGAAACAGAAGGACCTACATTCTGCTGT
35 CACTTATGTGTCAAGAAGCAGATGATCGATGAGGCAGGTCAGTTGTAAGTGAGTCA
CATTGTAGCATTAATTCT

BREM.1048_at (SEQ ID NO:112)

40 TTGAATAGATCATCAGTGGCCACTGATGTAATTAATCATGTCTATGTAATGAAGCTG
CCATAAAAAACCCAGGAGGACAGTGTTGAGAGAGCTTCTAGGTTGGTGAACACTTG
GGGGTGTCTGGAAGACAGCCCACCTGGAGAGGACACGGAGGCTCTTCGCACCTTCC
CCCATACCTGGCTCTCTCCATCTCTTCATTTGTCCATCTGTATCTTTTTCATTATATTA
TCCTTGATAATAAACTGGTAAATATAAGTGTTTCCCTAAGTTCTATGAGCCACCAT

45 BREM.1129_at (SEQ ID NO:113)

AGGCCTCTGATTGCACTTGTGTAGGATGAAGCTGGTGGGTGATGGGAACTCAGCAC
CTCCCCTCAGGCAGAAAAGAATCATCTGTGGAGCTTCAAAAAGAAGGGGCCTGGAGT
CTCTGCAGACCAATTCAACCCAAATCTCGGGGGCTCTTTCATGATTCTAATGGGCAA
CCAGGGTTGAAACCCTTATTTCTAGGGTCTTCAGTTGTACAAGACTGTGGGTCTGTA
50 CCAGAGCCCCCGTCAGAGTAGAATAAAAGGCTGGGTAGGGTAGAGATTCCCATGTG
CAGTGGAG

BREM.1226_at (SEQ ID NO:114)

ATACGTTTTTCACTTTCTGACCAGGACCATGCCTGTGGAGTAGATGTTGACAAGAAA
CACTGACCAGATCAAAATGTGTCTCAAGGAGAATGGCACAATTTTGTGCAAATGAA
TCAAGGAAGTCTTATTGCACAAGAGTATCCTGGAACCCAGTGCAATTGATTTTTTAG
5 AAAAAATATATCACATAGGGGAAAAAAACTGGAATATGTTGAAGGAGACGTATATA
ATATTTAGCATCCAGATTGATGACTTCTGCCCTAACTATGCAATG

BREM.1262_at (SEQ ID NO:115)

CGCTTGAACCTGGAAAGTGGACATTGCAGTGAGCTGAGATTGTGCCACTGCACTCC
10 AGCCTGGGCAACACAGCGAGACTCTGTCTCAAAAAAAAAAAAAAAAAAGAAAGAAAA
AAAAGAGAAAACTCAGAGATTCGTGGAGACTGGAACCACGGGTGTGGAGAGAGGG
GTTAGTAGAGACCAGATTCTGCAGGTACTATAATGACATTCCCAGGCTAAGGAGTT
TAGATCTT

BREM.130_at (SEQ ID NO:116)

ATCTACACCCTCAGGAATAAGAAAGTGAAGGGGGCAGCGAGGAGGCTGCTGCGGA
GTCTGGGGAGAGGCCAGGCTGGGCAGTGAGTAGTTGGGGAGGGGAGAAAGTATTA
AGCCAGAACCCAAGGATGGAAATACCCCTTAGTGAGTCAGTTTAGACTTCAGGCTG
TTCATTTTTGTATGATAATCTGCAAGATTTGTCCTAAGGAGTCCAATGGGGGATATG
20 TTTTCTCCCGTGAGGAAATGTTTAGTTCTTGAGGGAAAAATCCCTAAATCCTCTAT
ATA

BREM.1689_s_at (SEQ ID NO:117)

GGGTAGCAAGTTCACCACAGTGTTAATGGGGGTCCCAAGGTATTCTTCCCCCAGGC
25 CTAGGTATAGGGCTATTACTCCTCTCTGCTCCAGGTGTAGACATACATTACATT

BREM.2334_at (SEQ ID NO:118)

TGGAGGGTGAAATTCTGATAGACTTGAGGCTTTGAGATGTGGTCCTGGGGTGGAGC
AAGACAAGAAAAGTACTGGAGATTGGGGTTTGAGGAGTCTATGCAATTATTTTTAT
30 TTTTAAAAATCTTTGTGGCTACATAGCAGGTGTATATTTTATGTGGTAAGTGAGAT
ATTTGATACAGACATAACAATGTATAATCACAGGCATACAATGTAGACAGGCATAA
AGTGTATAGTCAC

BREM.2382_at (SEQ ID NO:119)

AATGTGAAACTGCTCCATGAACCCCAAAGAATTATGCACATAGATGCGATCATTAA
35 GATGCGAAGCCATCGAGTTACCACCTGGCATGCTTAAACTGTAAAGAGTGGGTCAA
AGTAAACTGAATTGGAAAATCCAAAGTTATGCAGAAAAACAATAAAGGAGATAGT
AAAAAGGGTTAACGAGCCAGTCCAGGGGAAGCGAAGAAGACAAAAAGAGTCCTTT
TCTGGGCCAAGTTTGATAAATTAGGCCTCCCGACCCTTTGCTCTGTTGCTTTATCAAC
40 TCTACTCGGCAATAACAAT

BREM.532_at (SEQ ID NO:120)

GATTAAGAACAGTTTTTTCAACAAATAGTGTTGGGACAATGGGTGTCCACATGCAA
AAGAATAAAGTTGTCCCCTTACCTTACCCATCTCCAAAAATTAACCTCAAAATATGT
45 CAAAGACATAAACGTAAGAGCTAAACTGTAAACTCCTAGAATAAACATAGGA
GTAAATCTTCATGACCTTGATTAGGCCATTGTGTCTTAAATATAACACCAAAAGAA
TAAGTAATAAAAAAATAGATAAATTGAACTCCATCAAAATTAAGCCTTTGTGCT
TCATAGGACACCA

BRHP.106_s_at (SEQ ID NO:121)

TCTCAAGCTATGATCAGAAGACTTTAATTATATATTTTCATCCTATAAGCTTAAATA
50 GGAAAGTTTCTTCAACAGGATTACAGTGTAGCTACCTACATGCTGAAAAATATAGC

CTTTAAATCATTTTTATATTATAACTCTGTATAATAGAGATAAGTCCATTTTTTAAAA
ATGTTTTCCCAAACCATAAAACCCTATACAAGTTGTTCTAGTAACAATACATGAGA
AAGATGTCTATGTAGCTGAAAATAAAATGACGTCACAAGAC

5 BRIH.10647C1n2_at (SEQ ID NO:122)

TCTTTCTTTTCCAGACAACTTTGAATGGAGAGGAGCAAATTAGTCTTTTGGTTTAATT
CTGTCTCAGTTTGCTTATCTAAAGAAAGGAAAACAGAGTGGCTACACTTGTTTAGAA
CCATATGCATACTCCAGAGAAAGATGCTCTATTAATCCAAAAAATACAGCCACTT
GAAACCAGCCAAAGCGAAAGTGTAAGGGACTTCATGGAAAGGAGGCAGTTCACCA
10 AAGTATTGAGGGGTTTTATATTTTAAACTCCGCCAGTGAATTGACGTGTTATGTCAC
TTAC

BRIH.1453C1n2_at (SEQ ID NO:123)

GAATTTATTGGAGCATGACCACGGAGGATAGTATGAGCCCTAAAAATCCAGACTCT
15 TTCGATACCCAGGACCAAGCCACAGCAGGTCTCCATCCCAACAGCCATGCCCCGA
TTAGCTCTTAGACCCACAGACTGGTTTTGCAACGTTTACACCGACTAGCCAGGAAGT
ACTTCCACCTCGGGCACATTTTGGGAAGTTGCATTCCCTTGTCTTCAAACGTGAAG
CATTTACAGAAACGCATCCAGCAAGAATATTGTCCCTTTGAGCAGAAAT

20 BRIH.1518C1n4_at (SEQ ID NO:124)

TCCCCGGTTACTACCTCTTATCCATCCCCGGCCACCACCTCATACCCATCCCCTGTGC
CCACCTCCTTCTCCTCTCCCGGCTCCTCGACCTACCCATCCCCTGTGCACAGTGGCTT
CCCCCCCCGTCGGTGGCCACCACGTA CTCTGTTCCTTCCCCCTGCTTTCCCGGCCAG
GTCAGCAGCTTCCCTTCTCAGCTGTACCAACTCCTTCAGCGCCTCCACAGGGCTT
25 TCGGACATGACAGCAACCTTTTCTCCCAGGACAATTGAAATTTGC

BRIH.2770C3n31_at (SEQ ID NO:125)

ATGAAGACTTGGCTGATTGAGATGCCAGGGCCTTGTATGAAGCAGGAGAAAGGAGA
AAGGGGACAGACGTAAACGTGTTCAATACCATCCTTACCACCAGAAGCTATCCACA
30 ACTTCGCAGAGTGTTTCAGAAATACACCAAGTACAGTAAGCATGACATGAACAAAG
TTCTGGACCTGGAGTTGAAAGGTGACATTGAGAAATGCCTCACAGCTATCGTGAAG
TGCGCCACAAGCAAACCAGCTTTCTTTGCAGAGAAGCTTCATCAAGCCATGAAAGT
ATGTACCATTCT

35 BRIH.365C1n2_at (SEQ ID NO:126)

TGCCTTGTGTCTTCCGTTTGACGGAAGAGAATGGATTCTGGTATCTAGACCAAATCA
GAAGGGAACAGTACATTCCAAATGAAGAATTTCTTCATTCTGATCTCCTAGAAGAC
AGCAAATACCGAAAAATCTACTCCTTTACTCTTAAGCCTCGAACAATTGAAGATTTT
GAGTCTATGAATACATACCTGCAGACATCTCCATCATCTGTGTTTACTAGTAATCAT
40 TTTGTTCCCTT

BRIH.5410C1n7_at (SEQ ID NO:127)

GGTATAGCATATGTGGCCTTGCTTACTAAAGTGGATGATTGCAGTGAGGTTCTTCAA
GACAACTTTTTAAACATGAGTAGATCTATGACTTCTCAAAGCCGGGTCATGAATGTC
45 CATAAAATGCTAGGCATTCCTATTTCCAATATTTTGATGGTTGGAAATTATGCTTCA
GATTTGGAAGTGGACCCCATGAAGGATATTCTCATCTCTCTGCACTGAGGCAGATG
CTGCGGGCTGCAGATGATTTTTTAGAAGATTTGCCTCTTGAGGAACTGGTGCATTT

BRIH.5478C1n2_s_at (SEQ ID NO:128)

50 TGCTTATCCGTTAGCCGTGGTGATTTAGCAGGAAGCTGTGAGAGCAGTTTGGTTTCT
AGCATGAAGACAGAGCCCCACCCTCAGATGCACATGAGCTGGCGGGATTGAAAGAT
GCTGTCTTCGTACTGGGAAAGGGATTTTCAGCCCTCAGAATCGCTCCACCTTGCAGC

TCTCCCCTTCTCTGTATTCCTAGAACTGACACATGCTGAACATCACAGCTTATTTCC
TCATT

BRIH.5650C1n2_at (SEQ ID NO:129)

5 TAGGCACCACATGGGATCCTTGTTCTTCCTCCTTGTAAGCAGTAATTGAAATCAGTT
TGGCAGCCTGGTTTACAGTGACCATGGTGGCTTGTCTCCCGTGCTCTTACCTCACTCT
GTTGATGTTGTAAAACCTCCAGCTAACTTCATGGGGTGGCTGACCCACGTTGCTCAT
TTATTCATTCAACACATATTCATTGACCATCTACTCTATGCCAGGTATTGTTATCAGC
ACTGGGAATAGATCAGTGAACCTATTGATCTATTTGTCTAA

10

BRIH.5952C1n2_s_at (SEQ ID NO:130)

CTCAGTTCTGGTCCTTCAAGCCTGTATGGTTTGGATTTTCAGTAGGGGACAGTTGAT
GTGGAGTCAATCTCTTTGGTAC

15 BRIH.7359C1n3_s_at (SEQ ID NO:131)

CTGAGGTGCTATGTTCTTAGTGGATGTTCTGACCCTGCTTCAAATATTTCCCTCACCT
TTCCCATCTTCCAAGGGTATAAGGAATCTTTCTGCTTTGGGGTTTATCAGAATTCTCA
GAATCTCAAATAACTAAAAGGTATGCAATCAAATCTGCTTTTTAAAGAATGCTCTTT
ACTTCATGGACTTCCACTGCCATCCTCCCAAGGGGCCCAAATTCTTTCAGTGGCTAC
20 CTACATACAATTCCAAACACATACAG

BRIHRC.10930C1n2_s_at (SEQ ID NO:132)

TAACAAATCATCAACTTCCACTGGTCAATATATAGATTTTGGGTGTCTGAGGCCCA
AGATTAGATGCCACTAATCTCCAAAGATTCCCTCCAA

25

BRMX.13731C1n18_at (SEQ ID NO:133)

GCAGGGTCTTGGGATAACACTGTCATCAGAAACAAGGCTGGGGGGCTGATTTCGGGG
TGGGGAGCCTTAGGAGGCCAGAAATTCCAATCAGAGCCAGTTTTTCTGGGAGGGAG
TGGCTAGACAGTCAAGGAAGGACGTTACATTTCAAAGAAGTCGGGTGGGGGGAT
30 GAGATTATTCTAGGGGGGCATCGAATTCCCTTTAAGGGGGGGGCTCACTTCTGCCCCA
GAGTAAAGAGGATCTCACACCATGGAAAT

BRMX.25436C1n2_at (SEQ ID NO:134)

TAGTTATACTTACACACTCCTCTCATGTTGTCTATGGAGTGGTGGATGCTGCAGGGA
35 GGGTGACATCCTAGTTAGTCCTAAGAGCCAGACTGCCTGAAGCTCACTATAACAAG
TCCTGCCTTGGGGAAGAAGGAAGTGTGTCTCTGTGAACCTCCCACCTGGGCCGAAA
GGGAGGCCACTCTCTCTGCTGCCTCTCCCCAACCTTGGCCTTCTGTGCTCCTAGTGA
ACCTCTCACCCCCTGCCTACAGCCTCGAATCTCAGACCATGATGACCTCTGGTCACC
CTGAATCAGAGCTTT

40

BRMX.25712C1n2_at (SEQ ID NO:135)

GTAAAATTTCCTATGTCAGCACCTAATGAGACAAATGACATCCTAATTCTTCCCCTT
GGCTTGCCAGTTTGTAGGTACTAGTTTTTTCAGAAGTTACTCTAAAATATTTCTGATTG
CAGCTCCTTCCTAAAGAGCAGTATGAGCAGCATGTGGTTATTTATGTATTCCTCTT
45 TTCTCCTACTTCTGTGGTGACCTGGAACAAATTCTCTTATGTATGTAAAGATTGGAC
AGCCCACCTGATTCCGATGTCACTTAGATACACTGTTTTTGTATCAGCCTCTTCTCTT
AGAAA

BRMX.3079C1n3_at (SEQ ID NO:136)

50 GATTGTTGGCCAATAGACCTTCCACTCCAGTAGAGAGGGAGGACTTGGCTCTGAGA
ACCTCCATCTGACCTAAGAGGAAACCTCCTCTCCTATGGCCATCTCCTCCTCCTGTC

CTTTAAGTCCTCTGTGGTTACTATATCTCCTTTTCCCTTTCTTACCCTTTCGCTTAGCA
ATTTCAAT

BRMX.3079C2n3_at (SEQ ID NO:137)

5 AAGTTCTTTGGGATAGAGGGTGAAGAACTTGGGACATGGGCTGTTTCAGGGCAGCT
GAAGTTCAAAGGGGAATAGGTAATTGGGGGGAAGGGGGGAAGTTGGGGCAGAAAG
GGATTGTTGGGCCAATAGGACCTTTCCACT

BRPD.10690C1n5_at (SEQ ID NO:138)

10 AGGATTATACTTCAGTCCCTGCTTTACATTTATTTCTTAAAGAAGCTTCTGGTAAATT
AGAGCAATAGCATCGGCTTAGTTTAGTGTTGTTCTGTTGGACTAAGGATATCAGTTC
TATCCGTATGGTCGGGCCTAAAGCCTGGGAAATATTTAATGAAGNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
AGCCATTTCCCTTTATAGTAAGA

BRPD.4019C1n3_s_at (SEQ ID NO:139)

15 ACAGAAGCCATTGCCTCCCTTGTTTACCTTGGGTCCACCTCCACCAAAACCCAACAG
ACCACCAAATGTTGACCTGACGAAATTCACAAAACCTCTTCTGGAAACAGTACTA
GCAAAGGCCAGACGTCTTACTCAACAACTTCCCTGCCACCACCTCCACCATCCCATC
20 CGGCCAGCCAACCACCATTTGCCAGCATCTCACCCATCACAACCACCAGTCCCAAGC
CTACCTCCCAGAAACATTAAACCTCCGTTTGAC

BRPD.5301C1n2_s_at (SEQ ID NO:140)

25 GCACAGCTCAGCACAAACATTCCAAGCTCAAAATAGAAGCCTTCTCAGTGAGCTCCA
GCACGCCCAGAGGACTGTTAATAACGATGATCCATGTGTTTTACTCTAAAGTGCTAA
ATATGGGAGTTTCCTTTTTTTTACTCTTTGTCACTGATGACACAACAGAAAAGAAAC
TGTAGACCTTGGGACAATCAACATTTAAA

BRRS.12588_at (SEQ ID NO:141)

30 CCTGCCCTGGAAGTAATCTTGCTGTCCTGGAATCTCCTCGGGGATGAGGCAGCTGCC
GAGCTGGCCCAGGTGCTGCCGAAGATGGGCGGGCTGAAGAGAGTGGACCTGGAGA
AGAATCAGATCACAGCTTTGGGGGCCTGGCTCCTGGCTGAAGGACTGGCCCAGGGG
TCTAGCATCCAAGTCATCCGCCTCTGGAATAACCCCATTTCCCTGCGACATGGCCCAG
CACCTGAAGAGCCAGGAGCCCAGGCTGGACTTTGCCTTCTTTGACAACCAGCCC

BRRS.13369_s_at (SEQ ID NO:142)

35 GCACAGCTCAGCACAAACATTCCAAGCTCAAAATAGAAGCCTTCTCAGTGAGCTCCA
GCACGCCCAGAGGACTGTTAATAACGATGATCCATGTGTTTTACTCTAAAGTGCTAA
ATATGGGAGTTTCCTTTTTTTTACTCTTTGTCACTGATGACACAACAGAAAAGAACT
40 GTAGACCTTGGGACAATCAACATTTAAA

BRRS.13576_at (SEQ ID NO:143)

GAGAGTTCAACTAAGAAAGGTCACATATGTGAAAGCCCAAGGACACTGTTTGATAT
ACAGCAGGTATTCAATCAGTGTTATTTGAAACCAAATCTGAATTTGAAGTTTGAATC
45 TTCTGAGTTGGAATGAATTTTTTTTCTAGCTGAGGGAAACTGTATTTTTCTTTCCCAA
AGAGGAATGTAA

BRRS.13647_at (SEQ ID NO:144)

CTCGATTATTCCTGTACAATATTTAAAATTTATTGCTTGATACTTTTGACAACAAAT
50 TAGGTTTTGTACAATTGAACTTAAATAAATGTCATTAAAATAAATAAATGCAATATG
TATTAATATTCATTGTATAAAAATAGAAGAATACAAACATATTTGTAAATATTTAC
ATATGAAATTTAATATAGCTATTTTTATGGAATTTTTCATTGATATGAAAAATATGA

TATTGCATATGCATAGTTCCCATGTAAATCCCATTTCATAACTTTTCATTAAAGCATT
ACTTTGA

BRRS.13648_s_at (SEQ ID NO:145)

5 GCAAATAAATTCATACATAGTACATACAAAATAAGAGAAAAAATTAAATTGCAGAT
GGTTAAATATCACATCACTTAACTGATGTTACTGAAAATGTATTTTCCTGCATAATC
ATATGGTTGACAGTATGCATTAAGAAGGTAAGTAAAACAATGAAGACAATTTTGAT
TTAATATGGTAATGCACAATTCCAATAACGTACATTCAACAGATCATGAAATTGG
GTTATT

10

BRRS.13767_at (SEQ ID NO:146)

TTGCCTTCTAAATATACTGAAATGATTTAGATATGTGTCAACAATTAATGATCTTTT
ATTCAATCTAAGAAATGGTTTAGTTTTCTCTTTAGCTCTATGGCATTTCCTCAAGT
GGACAGGGGAAAAAGTAATTGCCATGGGCTCCAAAGAATTTGCTTTATGTTTTTAG
CTAT

15

BRRS.13859_at (SEQ ID NO:147)

CCTGGCCACTCGCAAGACCTTTTATCTGAAAACCAGCCAAGCTTTATTCACGACACA
CTTCTTCCCTTCACTCTCCCACTTCTGTGGTCAACTCCCTGCAGAACTCCCAAAGTGC
20 CGTTCTTTTCGATAGCTCACGATGGTGTATGAGTGTCAATCATCTGACCCTTCTTGG
AGTCTCATATTTCTGTGAAC

20

BRRS.13881_at (SEQ ID NO:148)

CTGAGGACCGGCTGCAGACCTCACTCTGAGTGGCAGGCAGAGAACCAAAGCTGCTT
25 CGCTGCTCTCCAGGGAGACCCTCCTGGGATGGGCCTGAGAGGCCGGGGCTCAGGGA
AGGGGCTGGGATCGGAACCTTCTGCTCTTGTCTTGACAACTTTCCCTTCTGCTTT
AAAGGTTGTCGATTATT

25

BRRS.14465_s_at (SEQ ID NO:149)

30 AGTGTGATGGATCCCCTTTAGGTTATTTAGGGGTATATGTCCCCTGCTTGAACCCTG
AAGGCCAGGTAATGAGCCATGGCCATTGTCCCCAGCTGAGGACCAGGTGTCTCTAA
AAACCCAAACATCCTGGAGAGTATGCGAGAACCTACCAAGAAAAACAGTCTCATT
CTCATATACAGCAGGCAAAGAGACAGAAAATTAAGTGAAGAGCAGTTTAGAGACT
GGGGGAGGCCGGATCTCTAGAGCCATCCTG

35

BRRS.15053_at (SEQ ID NO:150)

GCGTTACAGATGGACGTAGCTGCCTTGGTTTTCCAGTCCTCAAGGGAATACTGAAG
ATGCTGACTGAAGGGGATTGGATGTTGATTTTAGAAGATGGAGAACTCCAGCCACC
TTTGTAAGCACTAGTGTGTTGTCATTTATGTAAGTCAGGTCGGCTCAGGTCTTGATA
40 GTCCGTCTTGGTGTGAGGCATGC

40

BRRS.16228_s_at (SEQ ID NO:151)

CACAGTAATGTCGAAACTAGGCCTTTGAACCAAGGCAGTCTAGGGTAAAATATAGT
TTCAAAGTATGAATAAGAATTGGTATTTGTGTTATCTTTGAGTAAGAACTGTCCGA
45 TATGAATCACAACGTGGGTGAATGTAGTATTTTCTGAAGTGTG

45

BRRS.16746_s_at (SEQ ID NO:152)

GGCCATGAACATCACCTGCACAGGACGGGGACCAGACAACCTGTATCCAGTGTGCCC
ACTACATTGACGGCCCCCACTGCGTCAAGACCTGCCCCGGCAGGAGTCATGGGAGAA
50 AACAAACACCCTGGTCTGGAAGTACGCAGACGCCGGCCATGTGTGCCACCTGTGCCA
TCCAAACTGCACCTACGGG

50

BRRS.16747_at (SEQ ID NO:153)

ATCACAGGTTTGAGCTGAATTATCACATGAATATAAATGGGAAATCAGTGTTTTAG
AGAGAGAACTTTTCGACATATTTCCCTGTTCCCTTGAATAAAAAACA

5 BRRS.16948_s_at (SEQ ID NO:154)

AGTTTCAGACAAATGTTTCAGTGTGAGTGAGGAAAACATGTTTCAGTGAGGAAAAAAC
ATTCAGACAAATGTTTCAGTGAGGAAAAAAAGGGGAAGTTGGGGATAGGCAGATGT
TGACTIONGAGGAGTTAATGTGATCTTTGGGGAGATACATCTTATAGAGTTAGAAATA
GAATCTGAATTTCTAAAGGGAGATTCTGGCTTGGGA

10

BRRS.17863_s_at (SEQ ID NO:155)

AACTTAAGCTGAATGTGTAATGGATTTGTCTATAGTTTTACATATTTGGAAGCATTT
TAAAATAGGTTTTAATCTTACATAAAATTACTTTTATACTTGTGTAAACATTTTCTTC
TGTGCCTTTTGGGTAATTTAATTTCTGTTATGAATTTCTGGTGCCTATGAGCTAGCTA
15 TCACCTACCTGAAAGGTGCTTAGAGGTGAAGGTACTGTTTCTAAAAACACATCACT
GTGACACCTTTCTATCCTCACATTTTCAAGCTTGCCTCTTTTCT

BRRS.17909_s_at (SEQ ID NO:156)

20 GTGACTGCTTATGAAGGGTTATTGCTCAGCTAAGTATTTCTGAATGAGTCTTAGGTC
TGTTGGCCTTCAATCTCTACCGAAACCCTGAGAACTTGATGATGCTTTTGTCTTCTGA
GAATCGTTTCAGTGTGCTGG

BRRS.18137_at (SEQ ID NO:157)

25 CATTTGCTGCAACTCTCAGTGGTAAGAATGATTAAGTGCAGCTATAGGAGAATACTT
CCATTGGCATGCCACCTGCGTAAAACACACAATTTTGTTAAGATATACAATAAAATT
ATTATGCTAATAGCAAATATTTTATGTAGCTCACTATGTTCCATGTAGTCTTCTAAGT
GCTTCATGTTAGTCCCCAGTTAAACACCTGGTTTTGGAAGGCTGAG

30 BRRS.18652_s_at (SEQ ID NO:158)

GTGAGCCTGCCAGCGTTTGGCGACGTCCCCGCACGACAGGCTCATACTTTCTGAGGAT
CGTGATAGCATAGGACGTCTGAACCTTTGTACAAATGTGTAGATGACATCTTGCTA
CAGCTTTTATTTGTGAAT

35

BRRS.2573_s_at (SEQ ID NO:159)

GTAAATTCAATACAATGTCAGTTTTTTAAAAGTCAAAGTTAGATCAAGAGAATATTTTC
AGAGTTTTGGTTTACACATCAAGAAACAGACACACATACCTAGGAAAGATTACAC
AATAGATAATCATCTT

40

BRRS.2644_at (SEQ ID NO:160)

ACTGTACAAAGTATAAGTCTTAGATGTATATATTTCCCTATATTGTTTTTCAGTGTACAT
GGAATAACATGTAATTAAGTACTATGTATCAATGAGTAACAGGAAAATTTTAAAAA
TACAGATAGATATATGCTCTGCATGTTACATAAGATAAATGTGCTGAATGGTTTTCA
45 AATAAAAATGAGGTACTCTCCTGGAAATATTAAGAAAGACTATCTAAATGTTGAAA
GA

BRRS.2783_s_at (SEQ ID NO:161)

50 GAGGACCGAGCACAGAAATCTTAGAGATTTCTTGTCCCCTCTCAGGTCATGTGTAGA
TGCGATAAATCAAGTGATTGGTGTGCCTGGGTCTCACTACAAGCAGCCTATCTGCTT
AAGAGACTCTGGAGTTTCTTATGTGCCCTGGTGGACACTTGCCCACCATCCTGTGAG
TAAAAGTGAA

BRRS.2935_at (SEQ ID NO:162)

TCTGAACTCTCAAAAGTCTATTTTTTTAACTGAAAATGTAAATTTATAAATATATTC
AGGAGTTGGAATGTTGTAGTTACCTACTGAGTAGGCGGCGATTTTTGTATGTTATGA
ACATGCAGTTCATTATTTTGTGGTTCTATTTTACTTTGTACTTGTGTTTGCTTAAACA
AAGTGACTGTTTGGCTTATAAACACATTGAATGCGCTTTATTGCCCATGGGATATGT
GGTGTATATCCTTCCAAAAAATTAAAACGAAAATAAAGTAGCTGCGATTGG

BRRS.3099_at (SEQ ID NO:163)

ATTCCTGTCTATTACCCATTGTAAACAGAGCCACAACTAATACTATGCAATGTTTTAC
CAATAATGCAATACAAAAGACCTCAAAATACCTGTGCATTTCTTGTAGGAAAACAA
CAAAAGGTAATTATGTGTAATTATACTAGAAGTTTTGTAATCTGTATCTTATC

BRRS.3131_at (SEQ ID NO:164)

CAGGACCCATCACGCCTGTGCAGTGGCCCCCACAGAAAGACTGAGCTCAAGGTGGG
AACCACGTCTGCTAACTTGGAGCCCCAGTGCCAAGCACAGTGCCTGCATGTATTTAT
CCAATAAATGTGAAATTCTGTCC

BRRS.3220_at (SEQ ID NO:165)

AAAGTGGCATTCTTCTTGATTGGAAAGGGGGAAGGATCTTATTGCACTTGGGCTGTTC
AGAATGTAGAAAGGACATATTTGAGGAAGTATCTATTTGAGCACTGATTTACTCTGT
AAAAAGCAAAATCTCTCTGTCCTAACTAATGGAAGCGATTCTCCCATGCTCATGTG
TAATGGTTTTAACGTTACTCACTGGAGAGATTGGACTTTCTGGAGTTATTTAACCAC
TATGTTTCAG

BRRS.3319_at (SEQ ID NO:166)

TTTATAATGTCCCTTCACAAACCCAGTGTTTTAGGAGCATGAGTGCCGTGTGTGTGC
GTCCTGTGCGAGCCCTGTCTCCTCTCTCT

BRRS.3319_s_at (SEQ ID NO:167)

CACCCTCAGATGCACATGAGCTGGCGGGATTGAAGGATGCTGTCTTCGTACTGGGA
AAGGGATTTTCAGCCCTCAGAATCGCTCCACCTTGCAGCTCTCCCCTTCTCTGTATTC
CTAGAAACTGACACATGCTGAACATCACAGCTTATTTCCCTCATT

BRRS.3645_s_at (SEQ ID NO:168)

AAATTTAATTTTCTACGCCTCTGGGGATATCTGCTCAGCCAATGGAAAATCTGGGTT
CAACCAGCCCCTGCCATTTCTTAAGACTTTCTGCTGCACTCACAGGATCCTGAGCTG
CACTTACCTGTGAGAGTCTTCAAACCTTTTAAACCTTGCCAGTCAGGACTTTTGCTATT
GCA

BRRS.4126_s_at (SEQ ID NO:169)

CTACTCCTTACAGTCTCTAGAATTAAATGTACTCATTTAGACAACATATTAATGCA
TATTTTAGCCACTTTAGAGAAACCTCATAGGCACAGAGTTTCCAAGATTAATTTTAA
GAATATCTTCACGAACTTGACCCTCCTACTCCACATTGCAACATTTCCATCAGACAG
CATTTCAATTCCAGTATTAT

BRRS.455_at (SEQ ID NO:170)

GTCATCATATATAATTAAACAGCTTTTTTAAAGAAACATAACCACAAACCTTTTCAAA
TAATAATAATAATAATAATAAAAAATGTATTTTAAAGATGGCCTGTGGTTATCTTGG
AAATTGGTGATTTATGCTAGAAAGCTTTTAAATGTTGGTTTATTGTTGAATTCCTAGA
A

BRRS.4562_at (SEQ ID NO:171)

CATGGATTAGCTGGAAGATCTGTATTTGATGGAAGACCTTGAAATTATTGGAAGAC
ATGGATTTTCCTGGAAGACGTGGATTTTCCTGGAAGATCTGGATTTGGTGGAAGACC
AGTAATTGCTGGAAGACTGGATTTGCTGGAAGACTTGATTTACTGGAAGACTTGGA
5 GCTTCTTGGAAGACATGGATTGTCCGGAAGACATGGATTGTCTGGAAGATGTGGAT
TTTCTGGAAGCTCAG

BRRS.487_s_at (SEQ ID NO:172)

GTGGAGGAAACTAAACATTCCCTTGATGGTCTCAAGCTATGATCAGAAGACTTTAA
10 TTATATATTTTCATCCTATAAGCTTAAATAGGAAAGTTTCTTCAACAGGATTACAGT
GTAGCTACCTACATGCTGAAAAATATAGCCTTTAAATCATTTTTATATTATAACTCT
GTATAATAGAGATAAGTCCATTTTTTAAAAATGTTTTCCCCAAACCATAAAACCCTA
TACAAGTTGTTCTAGTAACAATACATGA

BRRS.4891_s_at (SEQ ID NO:173)

TCAATAAGGGCGTTCTTCCTTGCAAGTTGAAACATTATTGTGCTAGGATTGCTCTCT
AGACAAGCCAGAAGTGACTTATTAACTATTGAAGGAAAAGGACTCAAGAAAAAT
AATAAAAGACCATAAATAAGGGCGAAAACATTACCATGTGAAAAGAATGTATTTCA
20 CCTGCAAGTTACAAAAAATAGTTTGTGCATTGCAAATAAGCAAAGACTTGGATTG
ACTTTACATTCATC

BRRS.4996_at (SEQ ID NO:174)

AAGCTGTGTTGTTGCTTCTTGTGAAGGCCATGATATTTTGTTTTTCCCCAATTAATTG
CTATTGTGTTATTTTACTACTTCTCTCTGTATTTTTTCTTGCATTGACATTATAGACAT
25 TGAGGACCTCATCCAAACAATTTAAAAATGAGTGTGAAGGGGGAACAAGTCAAAAT
ATTTTAAAAAGATCTTCAAAAATAATGCCTCTGTCTAGCATGCCAACAAGAATGCAT

BRRS.524_s_at (SEQ ID NO:175)

TGCCTGTTGTAGACCACAGTCACACACTGCTGTAGTCTTCCCCAGTCCTCATTCCCA
30 GCTGCCTCTTCCTACTGCTTCCGTCTATCAAAAAGCCCCCTTGGCCCCAGGTTCCCTG
AGCTGTGGGATTCTGCACTGGTGCTTTGGATTCCCTGATATGTTCCCTTCAAA

BRRS.5356_at (SEQ ID NO:176)

GTCAGACAGATGTGGTTGCATCCTAACTCCATGTCTCTGAGCATTAGATTTCTCATT
35 TGCCAATAATAATACCTCCCTTAGAAGTTTGTGTGTGAGGATTAAATAATGTAAATAA
AGAACTAGCATAACACTCAAAAA

BRRS.5451_at (SEQ ID NO:177)

TCTGTGTGTGCCCTGTAACCTGACTGGTTAACAGCAGTCCTTTGTAAACAGTGTTTT
40 AAATCTCCTAGTCAATATCCACCCCATCCAATTTATCAAGGAAGAAATGGTTCAGA
AAATATTTTCAGCCTACAGTTATGTTTCAGTCACACACACATACAAAATGTTCCCTTT
GCTTTTAAAGTAATTTTTGACTCCCAGATCAGTCAGAGCCCCTACAGCATTGTAA

BRRS.6371_at (SEQ ID NO:178)

GTTTAAGCCTGGAACCTTGTAAGAAAATGAAAATTTAATTTTTTTTTCTAGGACGAGC
45 TATAGAAAAGCTATTGAGAGTATCTAGTTAATCAGTGCAGTAGTTGGAAACCTTGCT
GGTGTATGTGATGTGCTTCTGTGCTTTTGAATGACTTTATCATCTAGTCTTTGTCTAT
TTTTCTTTGATGTTCAAGTCCTAGTCTATAGGATTGGCAGTTTAA

BRRS.6611_at (SEQ ID NO:179)

GACTGAGGGATCGTAGATTTTTACAATCTGTATCTTTGACAATTCTGGGTGCGAGTG
50 TGAGAGTGTGAGCAGGGCTTGCTCCTGCCAACCACAATTCAATGAATCCCCGACCC

CCCTACCCCATGCTGTACTTGTGGTTCTCTTTTTGTATTTTGCATCTGACCCCGGGGG
GCTGGGACAGATTGGCAATGGGCCGTCCCCTCTCCCCTTGGTTCTGCACTGTTGCCA
ATAAAAAGCTCTTAA

5 BRRS.6619_at (SEQ ID NO:180)

GGAGGGAAGGCAAGATTCTTTCCCCCTCCCTGCTGAAGCATGTGGTACAGAGGCAA
GAGCAGAGCCTGAGAAGCGTCAGGTCCCCTTCTGCCATGCAGCTACTATGAGCCC
TCGGGGCCTCCTCCTGGGCCTCAGCTTGCCCAGATACATACCTAAATATATATATAT
ATATATGAGGGAGAACGCCTCACCCAGATTTTATCATGCTGGAAAGAGTGTATGTA
10 TGTGAAGATGCTTGGTCAACTTGTACCCAGTGAACACACAAA

BRRS.6619-22_at (SEQ ID NO:181)

GGAGGGAAGGCAAGATTCTTTCCCCCTCCCTGCTGAAGCATGTGGTACAGAGGCAA
GAGCAGAGCCTGAGAAGCGTCAGGTCCCCTTCTGCCATGCAGCTACTATGAGCCC
15 TCGGGGCCTCCTCCTGGGCCTCAGCTTGCCCAGATACATACCTAAATATATATATAT
ATATATGAGGGAGAACGCCTCACCCAGATTTTATCATGCTGGAAAGAGTGTATGTA
TGTGAAGATGCTTGGTCAACTTGTACCCAGTGAACACACAAA

BRRS.6684_at (SEQ ID NO:182)

20 TATTCTTCTATAACACTCTATATAGAGCTATGTGAGTACTAATCACATTGAATAATA
GTTATAAAATTATTGTATAGACATCTGCTTCTTAAACAGATTGTGAGTTCTTTGAGA
AACAGCGTGGATTTTACTTATCTGTGTATTACAGAGCTTAGCACAGTGCCTGGTAA
TGAGCAAGCATACTTGCCATTACTTTTCCTTCCCA

25 BRRS.7616_at (SEQ ID NO:183)

CCTAATTTGAGGGTCAGTTCCTGCAGAAGTGCCCTTTGCCTCCACTCAATGCCTCAA
TTTGTTTTCTGCATGACTGAGAGTCTCAGTGTTGGAACGGGACAGTATTTATGTATG
AGTTTTTCTATTTATTTTGTGAGTCTGTGAGGTCTTCTTGTTCATGTGAGTGTGGTTGTG
AATGATTTCTTTTGAAGATATATTGTAGTAGATGTTACAATTTTGTGCCCCAACTAA
30 ACTTGCTGCTTAATGATTTGCTCACATCTAGTAAA

BRRS.7901_at (SEQ ID NO:184)

GGACACTTTTGAAAACAGGACTCAGCATCGCTTTCAATAGGCTTTTCAGGACCTTCA
CTGCATTAAACAATATTTTAAAAATTTAGTACAGTTTAGAAAGAGCACTTATTTT
35 GTTTATATCCATTTTCTTACTAAATTATAGGGATTAACCTTTGACAAATCATGCTGC
TGTTATTTTCTACATTTGTATTTTATCCATAGCACTTATTCACATTTAGGAAAA

BRRS.81_at (SEQ ID NO:185)

40 CAGTTTCTGTTCTCTCACAGGTGATAACAATGCTTTTTGTGCACTACATACTCTTCA
GTGTAGAGCTCTTGTTTTATGGGAAAAGGCTCAAATGCCAAATTGTGTTTGATGGAT
TAATATGCCCTTTTGCCGATGCATACTATTACTGATGTGACTCGGTTTTGTTCGCAGCT
TTGCTTTGTTTAATGAAACACACTTGTAACCTCTTTTGCACCTTGAAAAAGAATCC
AGCGGGATGCTCGAGCACCTGTAAACAATTTTCTCAACCTATTTG

45 BRRS.81-22_at (SEQ ID NO:186)

CAGTTTCTGTTCTCTCACAGGTGATAACAATGCTTTTTGTGCACTACATACTCTTCA
GTGTAGAGCTCTTGTTTTATGGGAAAAGGCTCAAATGCCAAATTGTGTTTGATGGAT
TAATATGCCCTTTTGCCGATGCATACTATTACTGATGTGACTCGGTTTTGTTCGCAGCT
TTGCTTTGTTTAATGAAACACACTTGTAACCTCTTTTGCACCTTGAAAAAGAATCC
50 AGCGGGATGCTCGAGCACCTGTAAACAATTTTCTCAACCTATTTG

BRRS.8480_s_at (SEQ ID NO:187)

AGCAAGTGTAGACACCTTCGAGGGCAGAGATCGGGAGATTTAAGATGTTACAGCAT
ATTTTTTTTTCTTGTTTTACAGTATTCAATTTTGTGTTGATTGAGCTAAATTATGAAA

BRRS.8711_at (SEQ ID NO:188)

5 GTCTCACATATTTATATAATCCTCAAATATACTGTACCATTTTAGATATTTTTTAAAC
AGATTAATTTGGAGAAGTTTTATTACCTAATTCTGTGGCAAAAATGGTGCCTC
TGATGTTGTGATATAGTATTGTCAGTGTGTACATATATAAAACCTGTGTAAACCTCT
GTCCTTATGAACCATAACAAATGTAGCTTTTTTA

10

BRRS.8900_s_at (SEQ ID NO:189)

CAGCCCCACCCCTGTAAATGGAATTTACCAGATGAAGGGAATGAAGTCCCTCACTG
AGCCTCAGATTTCCCTCACCTGTGAAATGGGCTGAGGCAGGAAATGGGAAAAAGTGT
TAGTGCTTCCAGGCGGCACTGACAGCCTCAGTAACAATAAAAAACAA

15

BRSA.1686C1n5_at (SEQ ID NO:190)

TCAGCTGCCCTGAAACAGCCCATGTCCCAAGTTCTTCACCTCTATCCAAAGAACTTG
ATTTGCATGGATTTTGGATAAATCATTTCAGTATCATCTCCATCATATGCCTGACCCC
TTGCTCCCTTCAATGCTAGAAAATCGAGTTGGCAAAATGGGGTTTGGGCCCCCTCAGA
20 GCCCTGCCCTGCACCCTTGTACAGTGTCTGTGCCATGGATTTTCGTTTTTCTTGGGGTA
CTCTTGATGTGAAGATAATTTGCA

BRSA.8072C1n2_s_at (SEQ ID NO:191)

GAGTGTCTCAGAAAGTGTGCTCCTCTGGCCTCAGTTCTCCTCTTTTGGAAACAACATAA
25 AACAAATTTAATTTTCTACGCCTCTGGGGATATCTGCTCAGCCAATGGAAAATCTGG
GTTCAACCAGCCCCTGCCATTTCTTAAGACTTTCTGCTCCACTCACAGGATCCTGAG
CTGCACTTACCTGTGAGAGTCTTCAAACCTTTAAACCTTGCCAGTCAGGACTTTTGC
TATTGCA

30 Hs369056.20C1n2_at (SEQ ID NO:192)

GAGGGACGTCAGAAAATCAGTGCATTGTGGAGTCACTTTTCTGATAAAGGGCACAT
CAGACTGCAAATGGTCCAGACAGCCAGATTCAGGACACTGATGAGTTTCTGGGGTC
ACCATAGCATCCCTGGAGTCAGCTGCTCTGCAGCCTGAAGGAGGGCTGACAGTGTG
GAGTCACTGCTATTACTTAATGAAATTATATAGAAATTCTATAATGATTATGTAATT
35 GCATAATGAAAACCTCTCCATATCAGAGTTCAGAATATCTCCAATTTCCAGTACAGA
ATATTATCCATAAC

Hs488293.0CB1n69_at (SEQ ID NO:193)

GACAGCAATAACTTCGTTTTAGAAACATTCAAGCAATAGCTTTATAGCTTCAACATA
40 TGGTACGTTTTAACCTTGAAAGTTTTGCAATGATGAAAGCAGTATTTGTACAAATGA
AAAGCAGAATTCTCTTTTATATGGTTTATACTGTTGATCAGAAATGTTGATTGTGCA
TTGAGTATTAAAAAATTAGATGTATATTATTCATTGTTCTTTACTCATGAGTACCTTA
TAATAATAATAATGTATTCTTTGTTAACAATGCCATGTTGGTACTAGTTATTAATCAT
ATC

45

Hs494173.0CB4n15_at (SEQ ID NO:194)

GGCAGGATATTGTAAGCCTTGAAAAAGAATTAGGCAGGATATCGGAAGCCCTGATT
AGATTCTATCCTAAGAGCAACAGAAGATCACTGACAGTGTTTTAAATAGATAGACT
AGTTTATTAGATTTGCAGTTTAGAAGTTCCTTTTTTTGTAATTATTGGACAGTGTAG
50 AGACCGGATGGTGAGAGATGAGTTAGGAAGTTGTGACAGCTCTCTATACCTACCGC
TAATGTAGAGGATTATTTATTTTCATTTCAATTACCATTCGTGT

Hs513726.0C2n39_s_at (SEQ ID NO:195)
 GTAATATGTTTATAATCCTTTAGATCTTATAAATATGTGGTATAAAGGAATGCCATAT
 AATGTGCCAAAAATCTGAGTGCATTTAATTTAATGCTTGCTTATAGTGCTAAAGTTA
 AATGATCTTAATTCTTTGCAATTATATATGAAAAATGACTGATTTTTCTTAAATAT
 5 GTAACCTATATAAATATATCTGTTTGTACAGATTTTAACCATAA

Hs514006.0C1n8_at (SEQ ID NO:196)
 GTATCCTTGAACCTGGAAACCATCCACGATCGAGTATCGAGTCATTCAACACTATCAA
 TTCCTGGGTGACTTTTTGAAAAAGTAGTATCTCTTGTTGCAAGAAATGCTCCATCTG
 10 TGAGTCCATGTCTCTCACTGGAATTGGATGGAAGTGGTGAATTCAGCCAAAGTGG
 CCAAAGAAATCCTGTTCTGTGATTCTGACGTCATCAGCCTCTGCACCTCTGTCTTCC
 CTTCTGCCACATGTTGCCTGTTCTCCGTGACTTTGGTAAGA

Hs522202.0C1n6_at (SEQ ID NO:197)
 GAGAGAGTGATCACGCTGCTGTGCCACCTATGCGGTAGACCTTGTTCTGGGGTTGG
 GAGATGTTTTATGATCAGGGTGCAGTAGAAAGAGCACACTAGTAGCAGTAAAGAGA
 GGTGACCCTGGCTGCAGTTCTGCCTCTAACTTCCTGAGTGACCTCAGGCTAGTCACA
 CAGTGACTGCTCCCCACATTTCTTTTTGTAAGCTGCAAGGATTGAATCAGACAATAG
 CCTCTAAGTTTCTTCTGAACTCTCATACTCAGGGATGCCAA
 20

Hs524348.0CB1n97_at (SEQ ID NO:198)
 TTCCCTCCCACTAATTTGTTGGCCTTTAACAGCAATTTTGAAAAGTGGGTCTTCTGGT
 TATGTTTTTGTTTTAAAATCTTTAAATTAGAGGATGCTGTGCCATTGAGTACTTTAAG
 TTAATATGAGGTTCTGGTTCAAGGAAAAGTTACGTTGGATCTGAACCAATGAGCAG
 25 ATATTTTGATATGTGCCACTCTTGCATATACATCTCAGTCCTAACTAAAGGTTCTAGT
 GGCATCCAGGACCTTTAGGGAGGCATTT

Hs524348.2C1n5_s_at (SEQ ID NO:199)
 CACTGCGTCTGGCAATAATGTAACCTTTGAAGCTTAAAAATTAATCCCAGTTTGTAGC
 30 AATAACAGAAGACTATCTACAACGGAAGAAAGAAGCAACTGCCTTACAGTTCTGTA
 AAGAATTGGCAAGAAAATAAAGCCTATAGTTGCC

Hs528836.0C1n3_s_at (SEQ ID NO:200)
 CCCTTACTTACATACTAGCTTCCAAGGACAGGTGGAGGTAGGGCCAGCCTGGCGGG
 35 AGTGGAGAAGCCCAGTCTGTCCTATGTAAGGGACAAAGCCAGGTCTAATGGTACTG
 GGTAGGGGGGCACTGCCAAGACAATAAGCTAGGCTACTGGGTCCAGCTACTACTTTG
 GTGGGATTGAGGTGAGTCTCCATGCACTTCACATGTTACCCAGTGTTCTTGTTACTTC
 CAAGGAGAACCAAGAATGGCTCTGTCACACTCGAAGCCAGGTTTGATC

Hs591893.1C1n4_s_at (SEQ ID NO:201)
 CCTCCTTTCTAAATGCAGCGACCTGTGTTCTTCAGCCCTATCCCTTTCTATTCTCTG
 ACCCCGCCTCCTTTCTAAATGCAGCGACCTCTGTTCTTCAGCCCTATCCCTTTCTATT
 CCTCTGACCCCGCCTCCTTTCTAAATGCAGCGACCTCTG

Hs7155.0CB1n102_at (SEQ ID NO:202)
 GGCGTCGGCGCCTAGGGCGAAGTGAGCCAGGGTGCAGTCGGGAAGCTCCAGGACG
 AAGCGGCGCGGCGGAGCCATGGCCCCAGCGCAGACCCCGCGCCGCCGAGCAGCG
 GCCCCGACAGTGGCCCGCGCAGGAGCCGGCGGGCGAAGGCCATGGGCGCCTCAGC
 GACGCCGCCCTCGGCCCGCCTCGGAAACGAAACCTGGCGGGAGCCAGGCGCCGGC
 50 GGGAAACGAAACCCGGAGGGAGCCAGGCGCCAGCGGGAAACGAAAGCGAAGCGT