Appendix A
Exon and intron sequences of glutathione S-transferase class pi (GSTP1)

Intron sequences are in italic. Exon sequences are in blankets and in bold. Amino acids are in one-letter abbreviation form and numbered on the right-handed side. The polymorphic residues in exons 5 and 6 are in square.

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……cggcgggagtccgcgggaccctccagaagagcggccggcgccgtgactcagcactggggcggag
cggggcgggaccacccttataaggctcggaggccgcgaggccttcgct[GGAGTTTCGCCGCCGCAGTC
          M                                                          1
TTCGCCACCA]gtgagtacgcgcggcccgcgtccccggggatggggctcagagctcccagcatggggcc
aacccgcagcatcaggcccgggctcccggcagggctcctcgcccacctcgagacccgggacgggggcct
aggggacccaggacgtccccagtgccgttagcggctttcagggggcccggagc……(intron1)……gcg
cctcggggagggatgggaccccgggggcggggagggggggcagactgcgctcaccgcgccttggcatcc
                                                P  P  Y  T  V  V  Y  F  P   10
tcccccgggctccagcaaacttttctttgttcgctgcag[TGCCGCCCTACACCGTGGTCTATTTCCCA
V  R  G                                                                   13
GTTCGAG]gtaggagcatgtgtctggcagggaagggaggcaggggctggggctgcagcccacagcccct
cgcccacccggagagatccgaacccccttatccctccgtcgtgtggcttttaccccgggcctccttcct
gttccccgcctctcccgccatgcctgctccccgccccagtgttgtgtgaa……(intron2)……
…cccgggcctccttcctgttccccgcctctcccgccatgcctgctccccgccccagtgttgtgtgaaat
cttcggaggaacctgtttccctgttccctccctgcactcctgacccctccccgggttgctgcgaggcgg
                                                R  C  A  A  L  R  M  L   21
agtcggcccggtccccacatctcgtacttctccctccccgcag[GCCGCTGCGCGGCCCTGCGCATGCT
 L  A  D  Q  G  Q  S  W  K  E  E  V  V  T  V  E  T  W  Q  E  G  S  L   44
GCTGGCAGATCAGGGCCAGAGCTGGAAGGAGGAGGTGGTGACCGTGGAGACGTGGCAGGAGGGCTCACT
 K  A  S  C                                                               48
CAAAGCCTCCTGC]gtaagtgaccatgcccgggcaaggggagggggtgctgggccttagggggctgtga
ctaggatcgggggacgcccaagctcagtgcccctccctgagccatgcctcccccaacagctatacgggc
agctccccaagttccaggacggagacctcaccctgtaccagtccaataccatcctg……(intron3)……
……cagagctggaaggaggaggtggtgaccgtggagacgtggcaggagggctcactcaaagcctcctg
cgtaagtgaccatgcccgggcaaggggagggggtgctgggccttagggggctgtgactaggatcgggggg
                                                L  Y  G  Q  L  P  K  F   56
acgcccaagctcagtgcccctccctgagccatgcctcccccaacag[CTATACGGGCAGCTCCCCAAGT
  Q  D  G  D  L  T  L  Y  Q  S  N  T  I  L  R  H  L  G  R  T  L  G      78
TCCAGGACGGAGACCTCACCCTGTACCAGTCCAATACCATCCTGCGTCACCTGGGCCGCACCCTTG]gt
gagtcttgaacctccaagtccagggcaggcatgggcaagcctctgcccccggagccctttttgtttaaat
cagctgccccgcagccctctggagtggaggaaactgagac……(intron4)…… caggtgtca
ggtgagctctgagcacctgctgtgtggcagtctctcatccttccacgcacatcctcttcccctcctccc
aggctggggctcacagacagcccccctggttggcccatccccagtgactgtgtgttgatcaggcgcccag
                                                L  Y  G  K  D  Q  Q  E  A  A  L   89
tcacgcggcctgctcccctccacccaaccccag[GGCTCTATGGGAAGGACCAGCAGGAGGCAGCCCTG
V  D  M  V  N  D  G  V  E  D  L  R  C  K  Y  [I]  S  L  I  Y  T  N  Y   112
GTGGACATGGTGAATGACGGCGTGGAGGACCTCCGCTGCAAATACATCTCCCTCATCTACACCAACTAT
]gtgagcatctgcaccagggttgggcactgggggctgaacaaagaaaggggcttcttgtgccctcaccc
cccttacccctcaggtggcttgggctgacccttcttgggtcagggtgcaggggctgggtcagctctgg
gccaggggcccaggggcctgggacaagacacaacctgcaccct……(intron5)……gacagg
cagaatggaatagagatgagttggcagctgaagtggacaggatttggtactagcctggttgtggggagc
aagcagaggagaatctgggactctggtgtctggcctggggcagacgggggtgtctcaggggctgggagg
                                                E  [A]  G  K  D  D  Y  V  K  A  L   123
gatgagagtaggatgatacatggtggtgtctggcag[GAGGCGGGCAAGGATGACTATGTGAAGGCACT
 P  G  Q  L  K  P  F  E  T  L  L  S  Q  N  Q  G  G  K  T  F  I  V  G   146
GCCCGGGCAACTGAAGCCTTTTGAGACCCTGCTGTCCCAGAACCAGGGAGGCAAGACCTTCATTGTGGG
 D  Q                                                                     148
AGACCAG]gtgagcatctggccccatgctgttccttcctcgccaccctctgcttccagatggacacagg
tgtgagccatttgtttagcaaagcagagcagacctaggggatgggcttaggccctctgcccccaattcc
tccagcctgctcccgctggctgagtccctggcccccctgccctgcagatc……(intron6)……
…caggtgagcatctggccccatgctgttccttcctcgccaccctctgcttccagatggacacaggtgtg
agccatttgtttagcaaagcagagcagacctaggggatgggcttaggccctctgcccccaattcctcca
                                                I  S  F  A  D  Y  N  L  L   157
gcctgctcccgctggctgagtccctggcccccctgccctgcag[ATCTCCTTCGCTGACTACAACCTGC
  D  L  L  L  I  H  E  V  L  A  P  G  C  L  D  A  F  P  L  L  S  A  Y   180
TGGACTTGCTGCTGATCCATGAGGTCCTAGCCCCTGGCTGCCTGGATGCGTTCCCCCTGCTCTCAGCAT
  V  G  R  L  S  A  R  P  K  L  K  A  F  L  A  S  P  E  Y  V  N  L  P   203
ATGTGGGGCGCCTCAGTGCCCGGCCCAAGCTCAAGGCCTTCCTGGCCTCCCCTGAGTACGTGAACCTCC
  I  N  G  N  G  K  Q  stop                                              210
CCATCAATGGCAACGGGAAACAGTGAGGGTTGGGGGGACTCTGAGCGGGAGGCAGAGTTTGCCTTCCTT
TCTCCAGGACCAATAAAATTTCTAAGAGAGCT]actatgagcactgtgtttcctgggacggggcttagg
ggttctcagcctcgaggtcggtgggagggcagagcagaggactagaaaacagctcctccagcac……
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