Figure 1

MAAAVAAAGA GEPQSPDELL PKGDAEKPEE ELEEDDDEEL DETLSERLWG
LTEMFPERVR SAAGATFDLS LFVAQKMYRF SRAALWIGTT SFMILVLPVV
FETEKLQMEQ QQQLQQRQIL LGPNTGLSGG MPGALPSLPG KI#

ATGGCTGCCG CCGTCGCTGC TGCCGGTGCA GGGGAACCCC AGTCCCCGGA
CGAATTGCTC CCGAAAGGCG ACGCGGAGAA GCCTGAGGAG GAGCTGGAGG
AGGACGACGA TGAGGAGCTA GATGAGACCC TGTCGGAGAG ACTATGGGGC
CTGACGGAGA TGTTTCCGGA GAGGGTCCGG TCCGCGGCCG GAGCCACTTT
TGATCTTTCC CTCTTTGTGG CTCAGAAAAT GTACAGGTTT TCCAGGGCAG
CCTTGTGGAT TGGGACCACT TCCTTTATGA TCCTGGTTCT TCCCGTTGTC
TTTGAGACGG AGAAGTTGCA AATGGAGCAA CAGCAGCAAC TGCAGCAGCG
GCAGATACTT CTAGGACCTA ACACAGGGCT CTCAGGAGGA ATGCCAGGGG
CTCTACCCTC ACTTCCTGGA AAGATCTAG

Figure 2

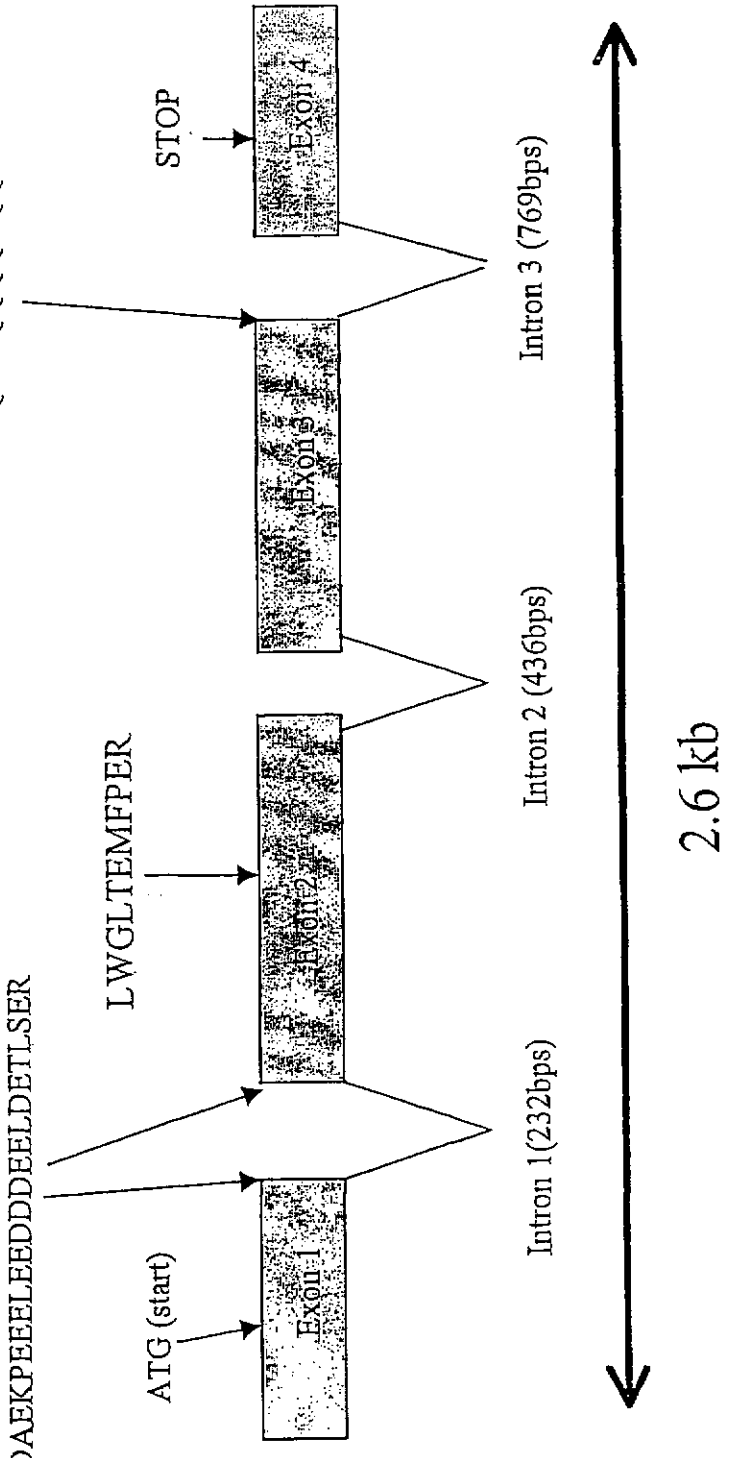

GDAEKPEEELEEDDEELDETLSER
LWGLTEMFPER
LQMEQQQLQQR
ATG (start)
STOP
Exon 1
Exon 2
Exon 3
Exon 4
Intron 1(232bps)
Intron 2 (436bps)
Intron 3 (769bps)
2.6 kb

Figure 3

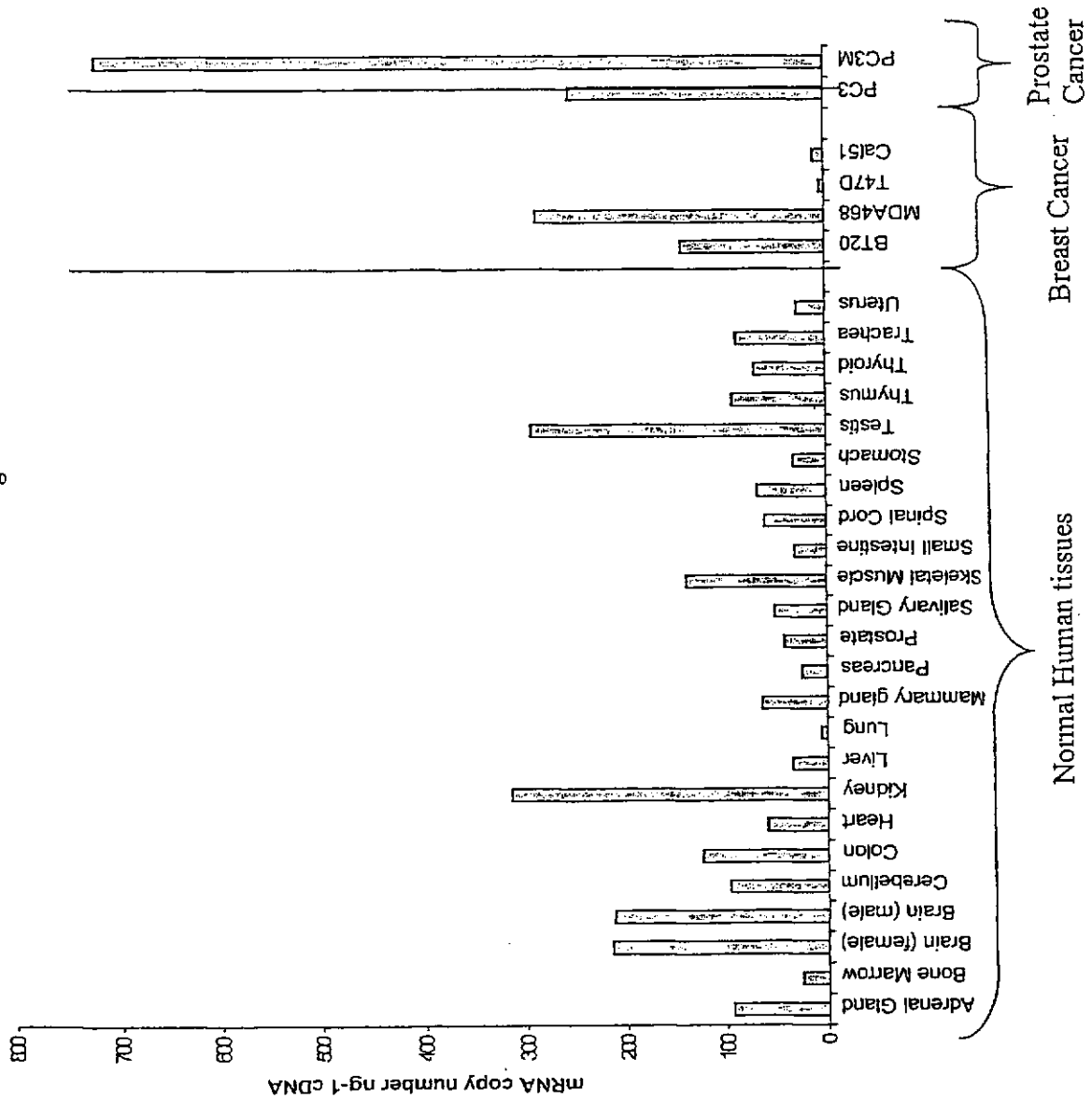

mRNA copy number ng-1 cDNA
0
100
200
300
400
500
600
700
800
Adrenal Gland
Bone Marrow
Brain (female)
Brain (male)
Cerebellum
Colon
Heart
Kidney
Liver
Lung
Mammary gland
Pancreas
Prostate
Salivary Gland
Skeletal Muscle
Small Intestine
Spinal Cord
Spleen
Stomach
Testis
Thymus
Thyroid
Trachea
Uterus
BT20
MDA468
T47D
Cal51
PC3
PC3M
Normal Human tissues
Breast Cancer
Prostate Cancer

Figure 4

a

```
GGCCAAGTCAGCTTCTTCTGAGAGAGTCTCTAGAAGACATGATGCTACACTCAGCTTTGG      60
                                    M  M  L  H  S  A  L  G        8

GTCTCTGCCTCTTACTCGTCACAGTTTCTTCCAACCTTGCCATTGCAATAAAAAAGGAAA     120
 L  C  L  L  L  V  T  V  S  S  N  L  A  I  A  I  K  K  E  K      28

AGAGGCCTCCTCAGACACTCTCAAGAGGATGGGGAGATGACATCACTTGGGTACAAACTT     180
 R  P  P  Q  T  L  S  R  G  W  G  D  D  I  T  W  V  Q  T  Y      48

ATGAAGAAGGTCTCTTTTATGCTCAAAAAAGTAAGAAGCCATTAATGGTTATTCATCACC     240
 E  E  G  L  F  Y  A  Q  K  S  K  K  P  L  M  V  I  H  H  L      68

TGGAGGATTGTCAATACTCTCAAGCACTAAAGAAAGTATTTGCCCAAAATGAAGAAATAC     300
 E  D  C  Q  Y  S  Q  A  L  K  K  V  F  A  Q  N  E  E  I  Q      88

AAGAAATGGCTCAGAATAAGTTCATCATGCTAAACCTTATGCATGAAACCACTGATAAGA     360
 E  M  A  Q  N  K  F  I  M  L  N  L  M  H  E  T  T  D  K  N     108

ATTTATCACCTGATGGGCAATATGTGCCTAGAATCATGTTTGTAGACCCTTCTTTAACAG     420
 L  S  P  D  G  Q  Y  V  P  R  I  M  F  V  D  P  S  L  T  V     128

TTAGAGCTGACATAGCTGGAAGATACTCTAACAGATTGTACACATATGAGCCTCGGGATT     480
 R  A  D  I  A  G  R  Y  S  N  R  L  Y  T  Y  E  P  R  D  L     148

TACCCCTATTGATAGAAAACATGAAGAAAGCATTAAGACTTATTCAGTCAGAGCTATAAG     540
 P  L  L  I  E  N  M  K  K  A  L  R  L  I  Q  S  E  L  *        166

AGATGATAGAAAAAAGCCTTCACTTCAAAGAAGTCAAATTTCATGAAGAAAACCTCTGGC     600
ACATTGACAAATAC                                                   614
```

b

```
.........MMLHSALGLCLLLVTVSSNLAIAIKKEKRP..PQTLSRGWGDDITWVQTYEE  BCMP 11
         :|  ||   |   |     |    |: ||  |||||||||| : | |||||
MEKIPVSAFLLLVALSYTLARDTTVKPGAKKDTKDSRPKLPQTLSRGWGDQLIWTQTYEE  bAG-2

GLFYAQKSKKPLMVIHHLEDCQYSQALKKVFAQNEEIQEMAQNKFIMLNLMHETTDKNLS
 |: ..  | ||||:||||::| :|||||||||:|.|||.:|: .|::|||.:||||||.||
ALYKSKTSNKPLMIIHHLDECPHSQALKKVFAENKEIQKLAE.QFVLLNLVYETTDKHLS

PDGQYVPRIMFVDPSLTVRADIAGRYSNRLYTYEPRDLPLLIENMKKALRLIQSEL
|||||||||||||||||||||| |||||||| ||| |  ||::||||||:|:..||
PDGQYVPRIMFVDPSLTVRADITGRYSNRLYAYEPADTALLLDNMKKALKLLKTEL
```

Figure 5

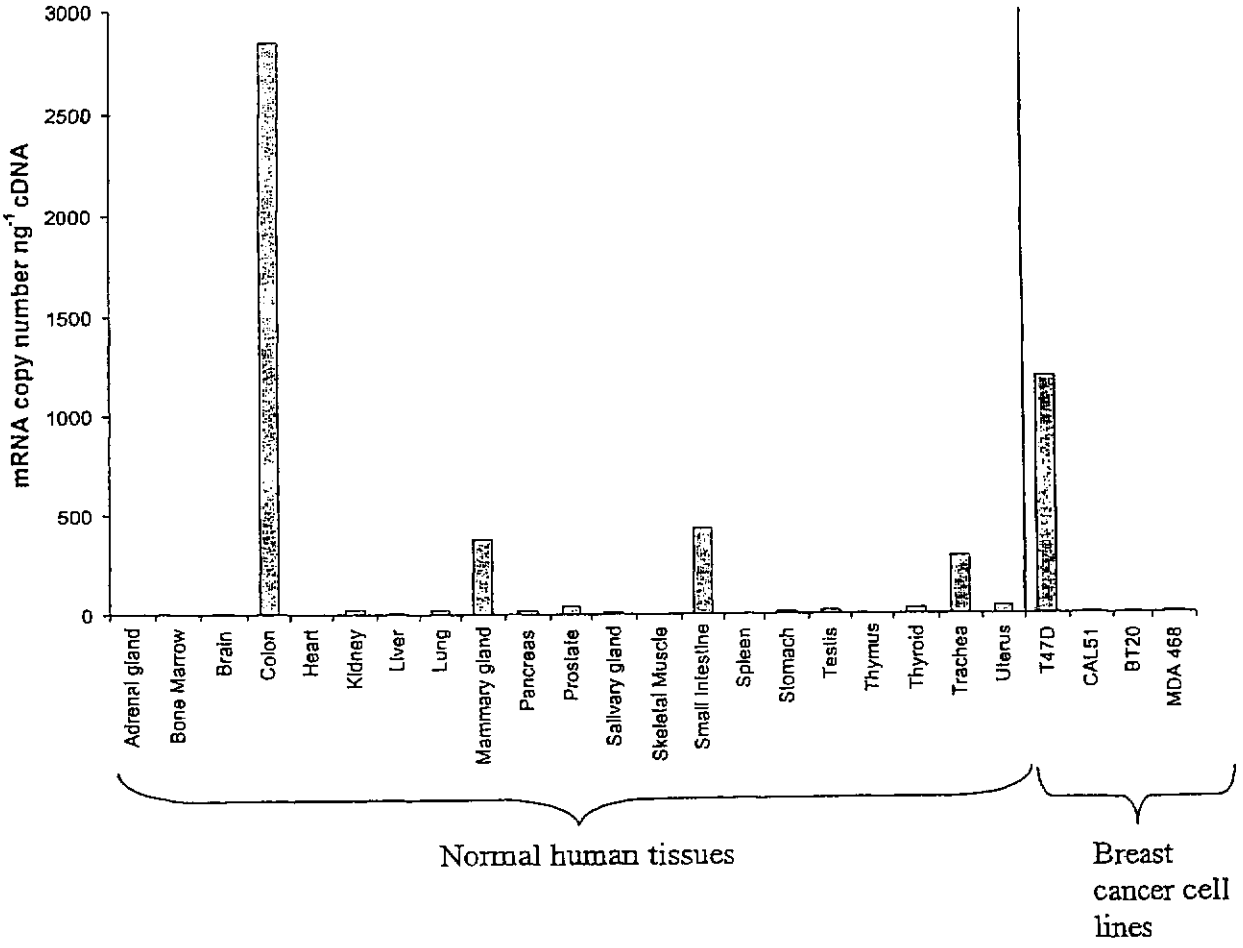

mRNA copy number ng-1 cDNA
3000
2500
2000
1500
1000
500
0
Adrenal gland
Bone Marrow
Brain
Colon
Heart
Kidney
Liver
Lung
Mammary gland
Pancreas
Prostate
Salivary gland
Skeletal Muscle
Small Intestine
Spleen
Stomach
Testis
Thymus
Thyroid
Trachea
Uterus
T47D
CAL51
BT20
MDA 468
Normal human tissues
Breast cancer cell lines

Figure 6

```
ATAGGACAACAGAACTCTCACCAAAGGACCAGACACAGTGAGCACCATGGGACAGTGTCG      60
 M  G  Q  C  R                                                     5

GTCAGCCAACGCAGAGGATGCTCAGGAATTCAGTGATGTGGAGAGGGCCATTGAGACCCT     120
 S  A  N  A  E  D  A  Q  E  F  S  D  V  E  R  A  I  E  T  L       25

CATCAAGAACTTTCACCAGTACTCCGTGGAGGGTGGGAAGGAGACGCTGACCCCTTCTGA     180
 I  K  N  F  H  Q  Y  S  V  E  G  G  K  E  T  L  T  P  S  E       45

GCTACGGGACCTGGTCACCCAGCAGCTGCCCCATCTCATGCCGAGCAACTGTGGCCTGGA     240
 L  R  D  L  V  T  Q  Q  L  P  H  L  M  P  S  N  C  G  L  E       65

AGAGAAAATTGCCAACCTGGGCAGCTGCAATAACTCTAAACTGGAGTTCGGGAGTTTCTG     300
 E  K  I  A  N  L  G  S  C  N  N  S  K  L  E  F  G  S  F  W       85

GGAGCTGATTGGAGAAGCGGCCAAGAGTGTGAAGCTGGAGAGGCCTGTCCGGGGGCACTG     360
 E  L  I  G  E  A  A  K  S  V  K  L  E  R  P  V  R  G  H  *      104

AGAACTCCCTCTGGAATTCTTGGGGGGTGTTGGGGAGAGACTGTGGGCCTGGAGATAAAA     420
CTTGTCTCCTCTACCACCACCCTGTACCCTAGCCTGCACCTGTCCTCATCTCTGCAAAGT     480
TCCGTTGAAGC                                                      491
```

Figure 7

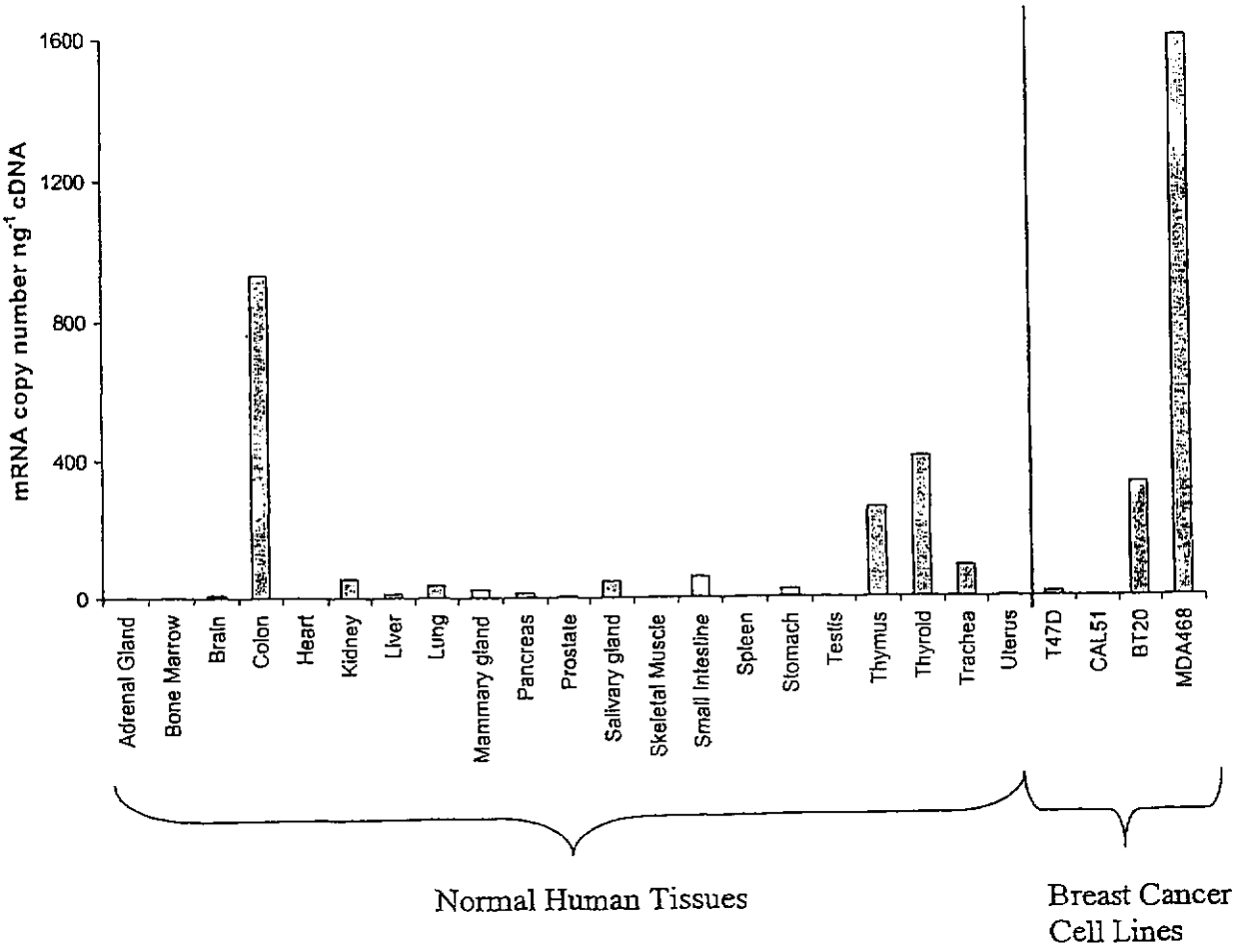

mRNA copy number ng-1 cDNA
1600
1200
800
400
0
Adrenal Gland
Bone Marrow
Brain
Colon
Heart
Kidney
Liver
Lung
Mammary gland
Pancreas
Prostate
Salivary gland
Skeletal Muscle
Small Intestine
Spleen
Stomach
Testis
Thymus
Thyroid
Trachea
Uterus
T47D
CAL51
BT20
MDA468
Normal Human Tissues
Breast Cancer Cell Lines

Figure 8

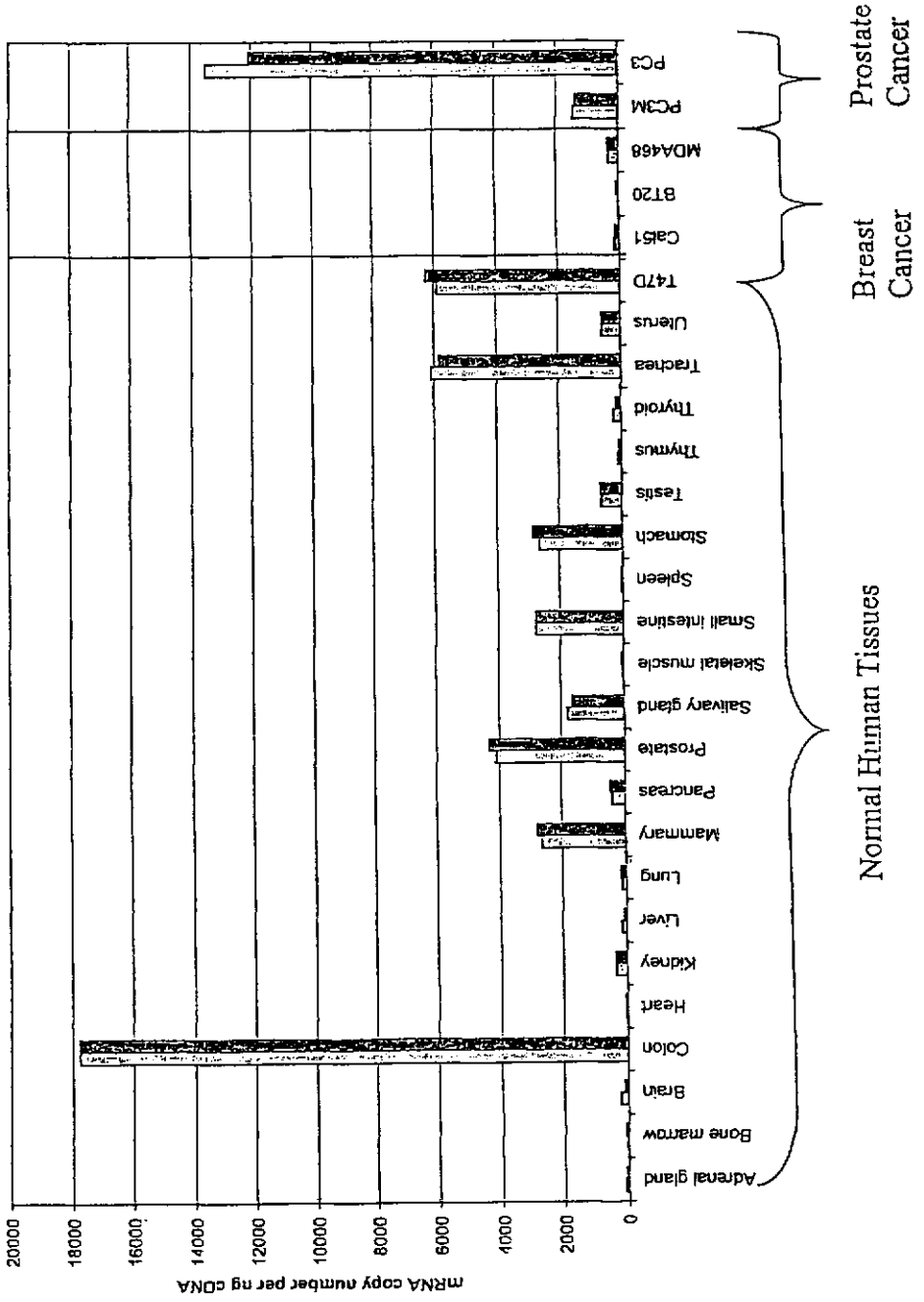

mRNA copy number per ng cDNA
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Adrenal gland
Bone marrow
Brain
Colon
Heart
Kidney
Liver
Lung
Mammary
Pancreas
Prostate
Salivary gland
Skeletal muscle
Small intestine
Spleen
Stomach
Testis
Thymus
Thyroid
Trachea
Uterus
T47D
Cal51
BT20
MDA468
PC3M
PC3
Normal Human Tissues
Breast Cancer
Prostate Cancer

Figure 9

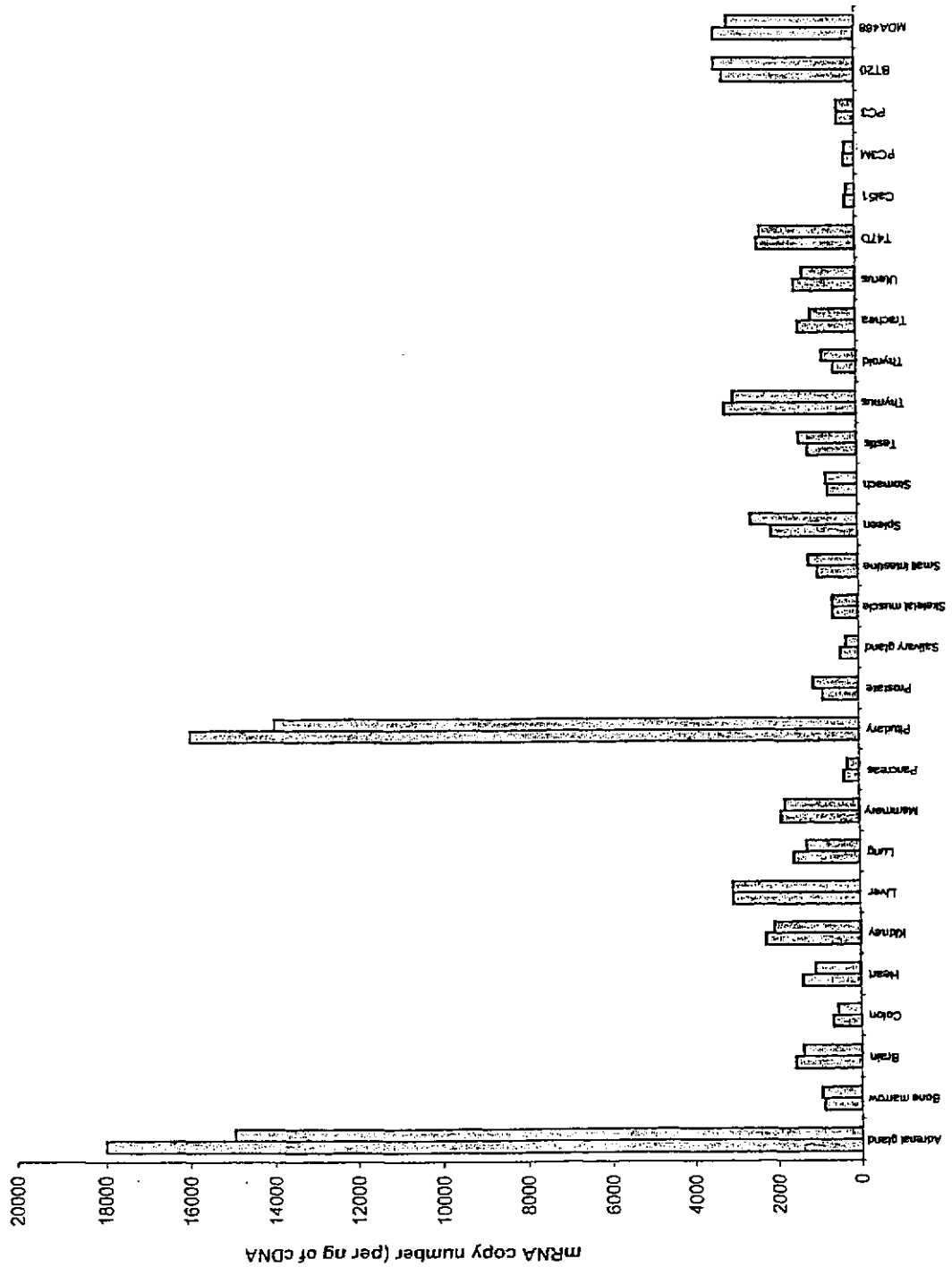
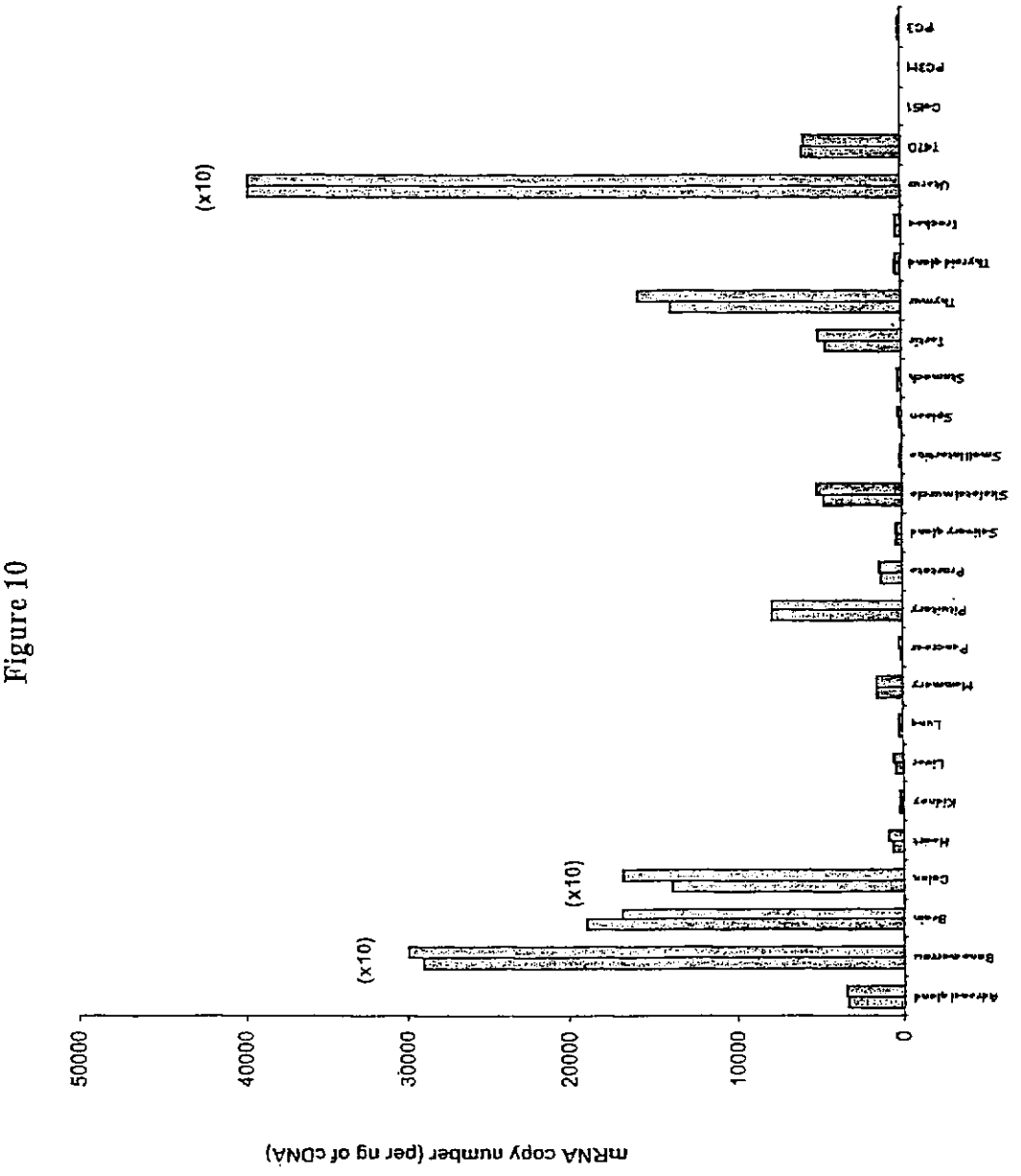

mRNA copy number (per ng of cDNA
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Adrenal gland
Bone marrow
Brain
Colon
Heart
Kidney
Liver
Lung
Mammary
Pancreas
Pituitary
Prostate
Salivary gland
Skeletal muscle
Small intestine
Spleen
Stomach
Testis
Thymus
Thyroid
Trachea
Uterus
T47D
Cal51
PCAM
PC3
BT20
MDA468

Figure 10


mRNA copy number (per ng of cDNA)
50000
40000
30000
20000
10000
0
(x10)
(x10)
(x10)
Adrenal gland
Bone marrow
Brain
Colon
Heart
Kidney
Liver
Lung
Mammary
Pancreas
Pituitary
Prostate
Salivary gland
Skeletal muscle
Small intestine
Spleen
Stomach
Testis
Thymus
Thyroid gland
Trachea
Uterus
T47D
CaSki
PC3M
PC3