I31901PCT

Figure 1:

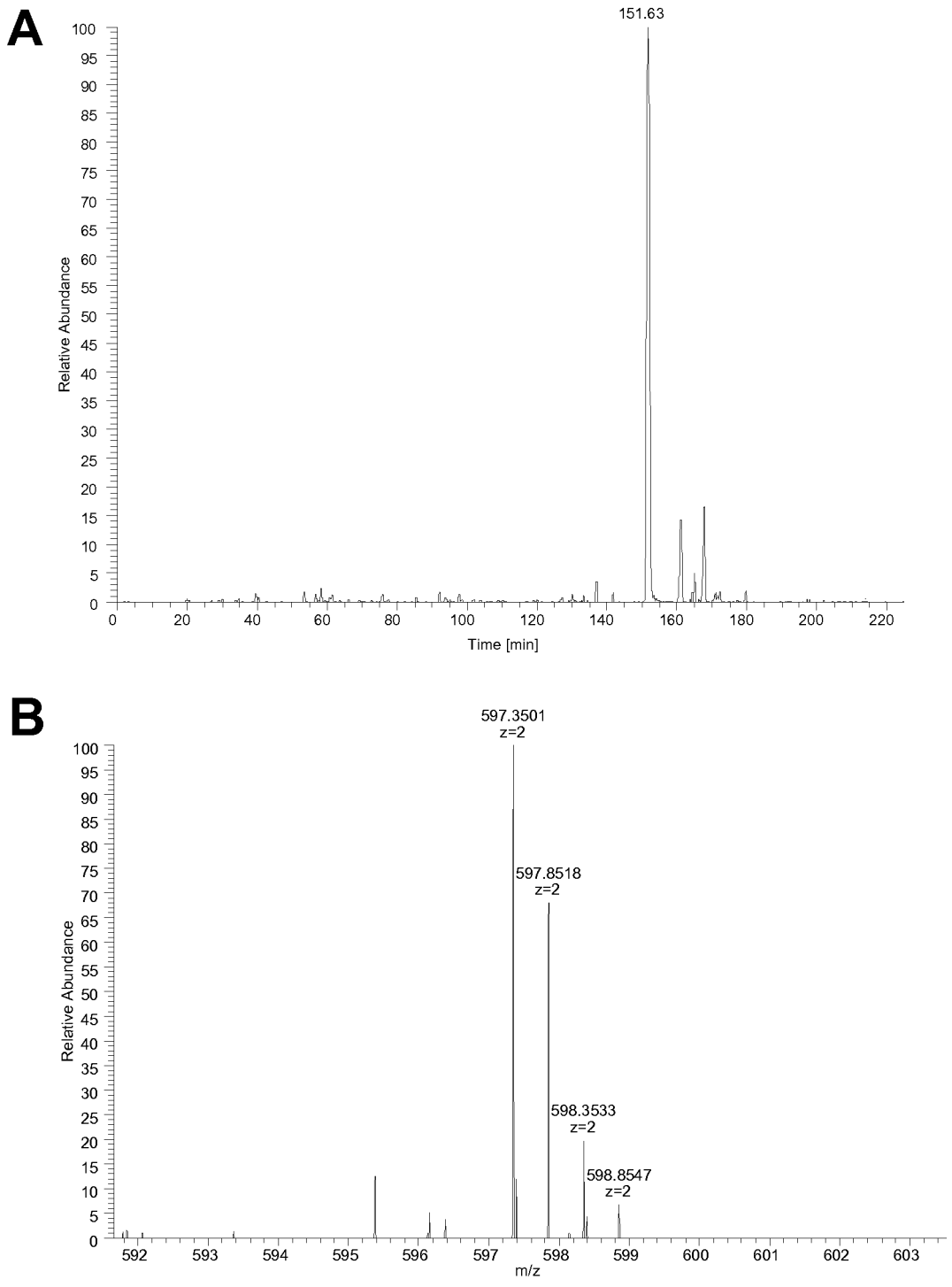
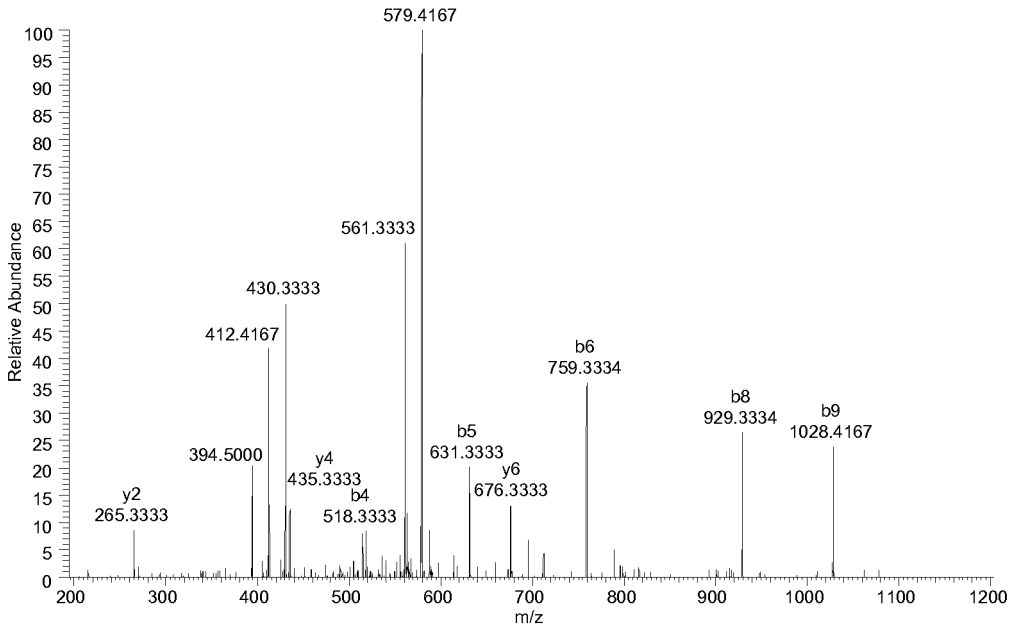


Figure 1 (cont.)

C



D

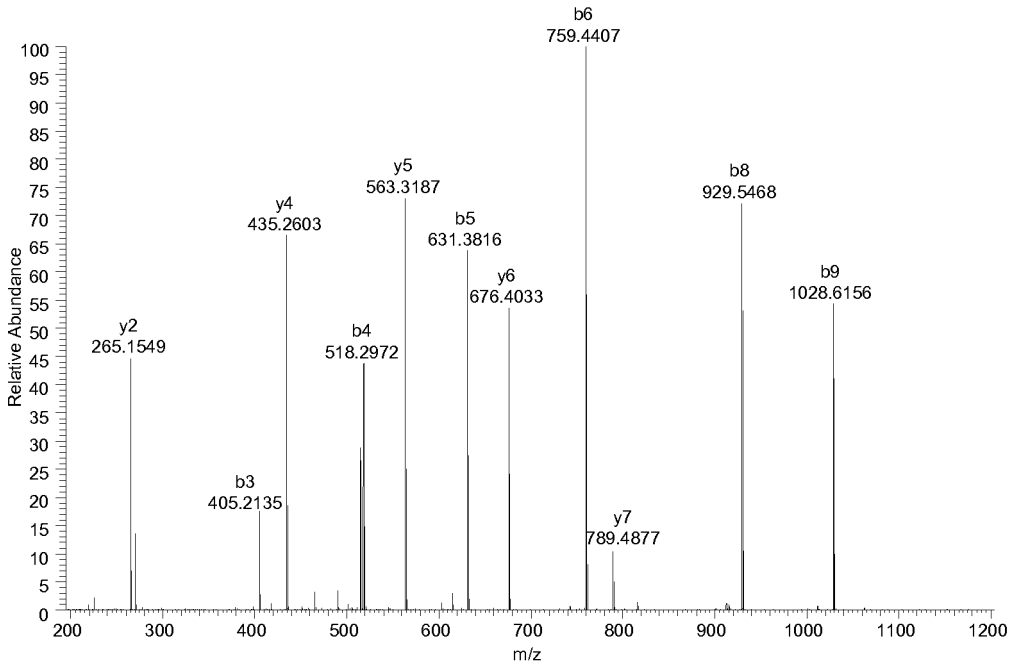


Figure 2:

a)

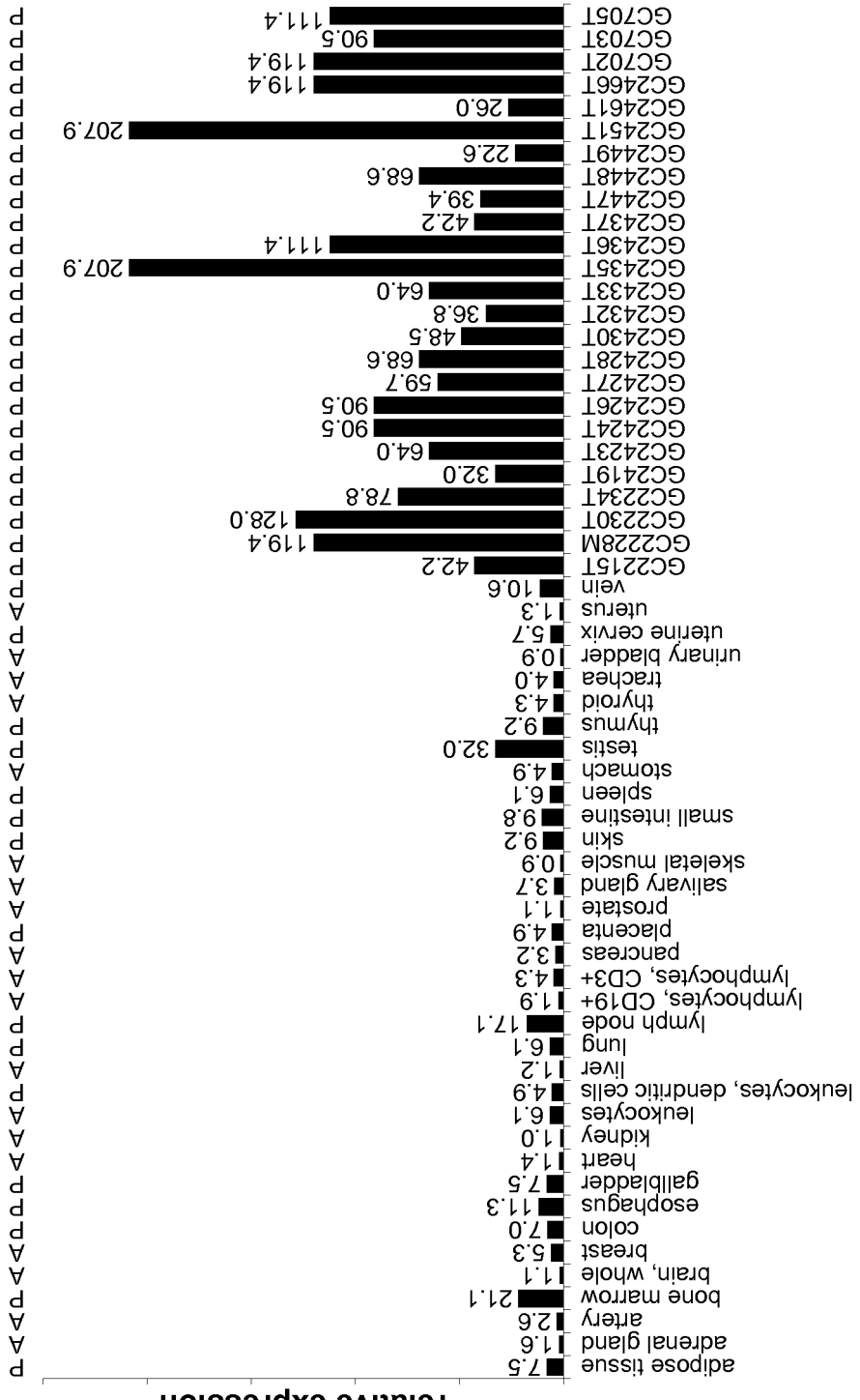

relative expression
adipose tissue 7.5 A P
adrenal gland 1.6 A P
artery 2.6 A P
bone marrow 21.1 P P
brain, whole 1.1 A A
breast 5.3 A A
colon 7.0 P A
esophagus 11.3 P P
gallbladder 7.5 P P
heart 1.4 A A
kidney 1.0 A A
leukocytes 6.1 A A
leukocytes, dendritic cells 4.9 P A
liver 1.2 A A
lung 6.1 P P
lymph node 17.1 P P
lymphocytes, CD19+ 1.9 A A
lymphocytes, CD3+ 4.3 A A
pancreas 3.2 A A
placenta 4.9 P A
prostate 1.1 A A
salivary gland 3.7 A A
skeletal muscle 10.9 A A
skin 9.2 P P
small intestine 9.8 P P
spleen 6.1 P P
stomach 4.9 A A
testis 32.0 P P
thymus 9.2 P P
thyroid 4.3 A A
trachea 4.0 A A
urinary bladder 10.9 A A
uterine cervix 5.7 P A
uterus 1.3 A A
vein 10.6 P P
GC22157T 42.2 P P
GC2228M 119.4 P P
GC22307T 128.0 P P
GC22347T 78.8 P P
GC24197T 32.0 P P
GC24237T 64.0 P P
GC24247T 90.5 P P
GC24267T 90.5 P P
GC24277T 59.7 P P
GC24287T 68.6 P P
GC24307T 48.5 P P
GC24327T 36.8 P P
GC24337T 64.0 P P
GC24357T 207.9 P P
GC24367T 111.4 P P
GC24377T 42.2 P P
GC24477T 39.4 P P
GC24487T 68.6 P P
GC24497T 22.6 P P
GC24517T 207.9 P P
GC24617T 26.0 P P
GC24667T 119.4 P P
GC27027T 119.4 P P
GC27037T 90.5 P P
GC27057T 111.4 P P

Figure 2 (cont.)

b)

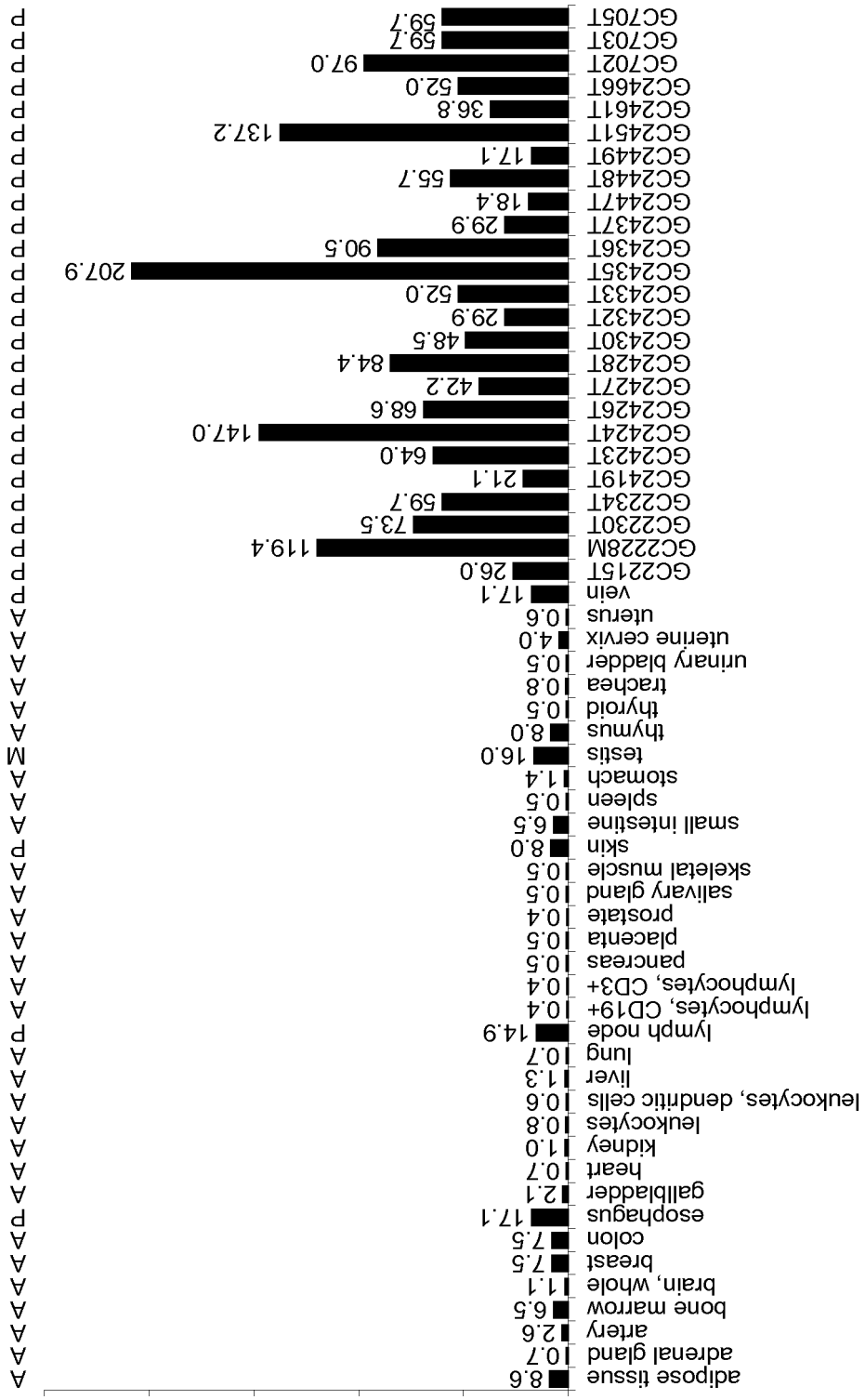


Figure 3:

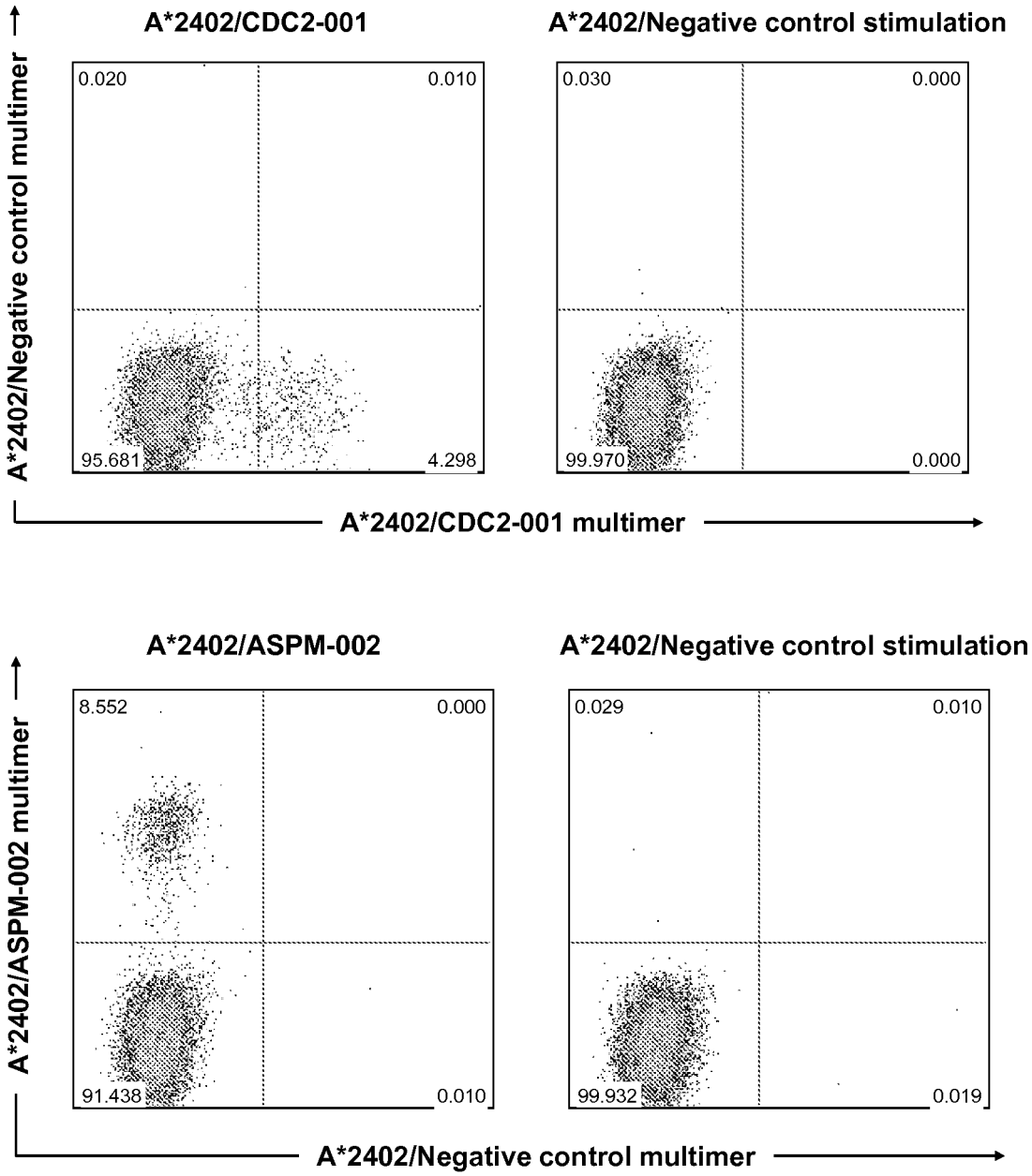

A*2402/CDC2-001
A*2402/Negative control stimulation
A*2402/Negative control multimer
0.020
0.010
95.681
4.298
0.030
0.000
99.970
0.000
A*2402/CDC2-001 multimer
A*2402/ASPM-002
A*2402/Negative control stimulation
A*2402/ASPM-002 multimer
8.552
0.000
91.438
0.010
0.029
0.010
99.932
0.019
A*2402/Negative control multimer

Figure 4

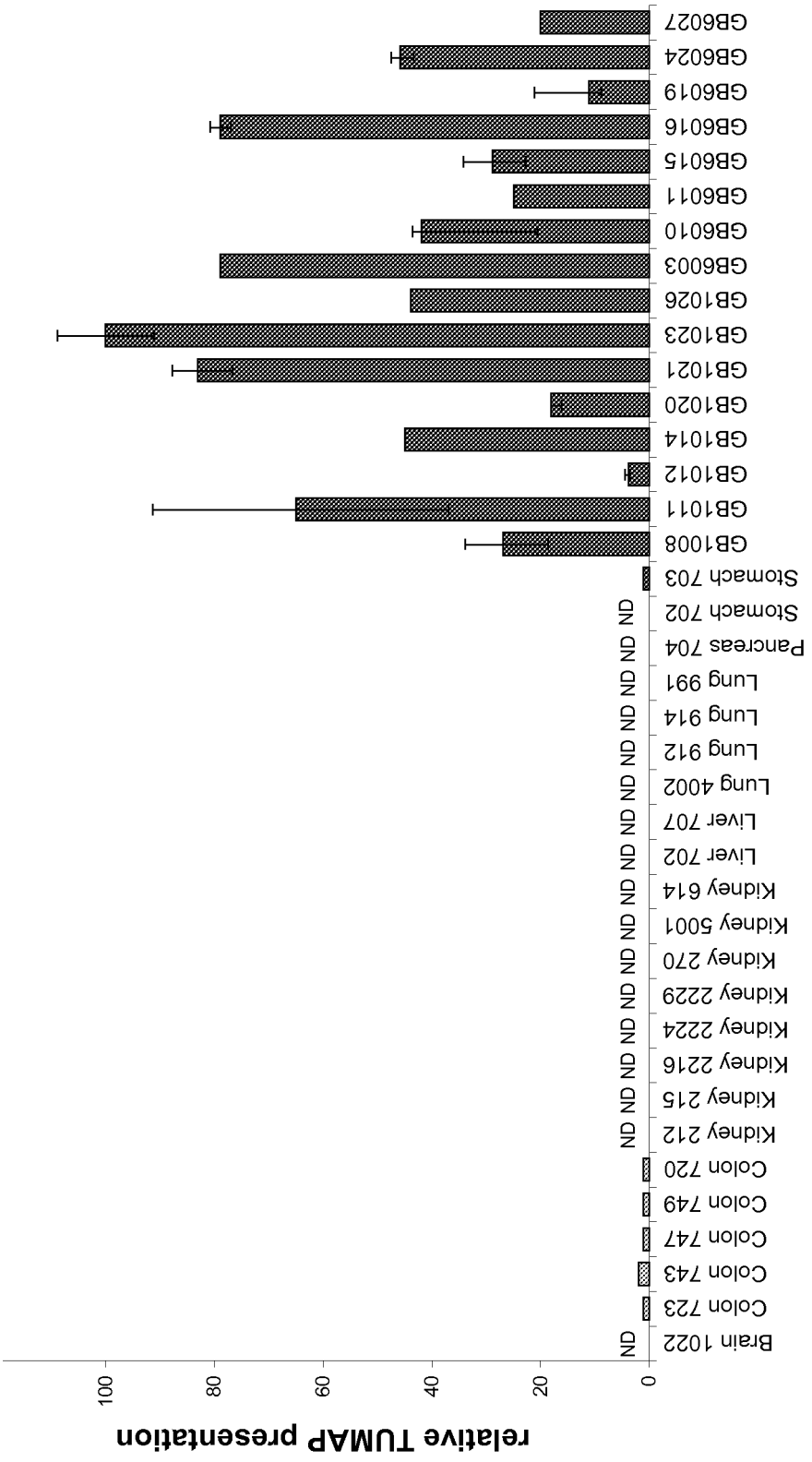

relative TUMAP presentation
0
20
40
60
80
100
Brain 1022
Colon 723
Colon 743
Colon 747
Colon 749
Colon 720
Kidney 212
Kidney 215
Kidney 2216
Kidney 2224
Kidney 2229
Kidney 270
Kidney 5001
Kidney 614
Liver 702
Liver 707
Lung 4002
Lung 912
Lung 914
Lung 991
Pancreas 704
Stomach 702
Stomach 703
GB1008
GB1011
GB1012
GB1014
GB1020
GB1021
GB1023
GB1026
GB6003
GB6010
GB6011
GB6015
GB6016
GB6019
GB6024
GB6027
ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND

Figure 5

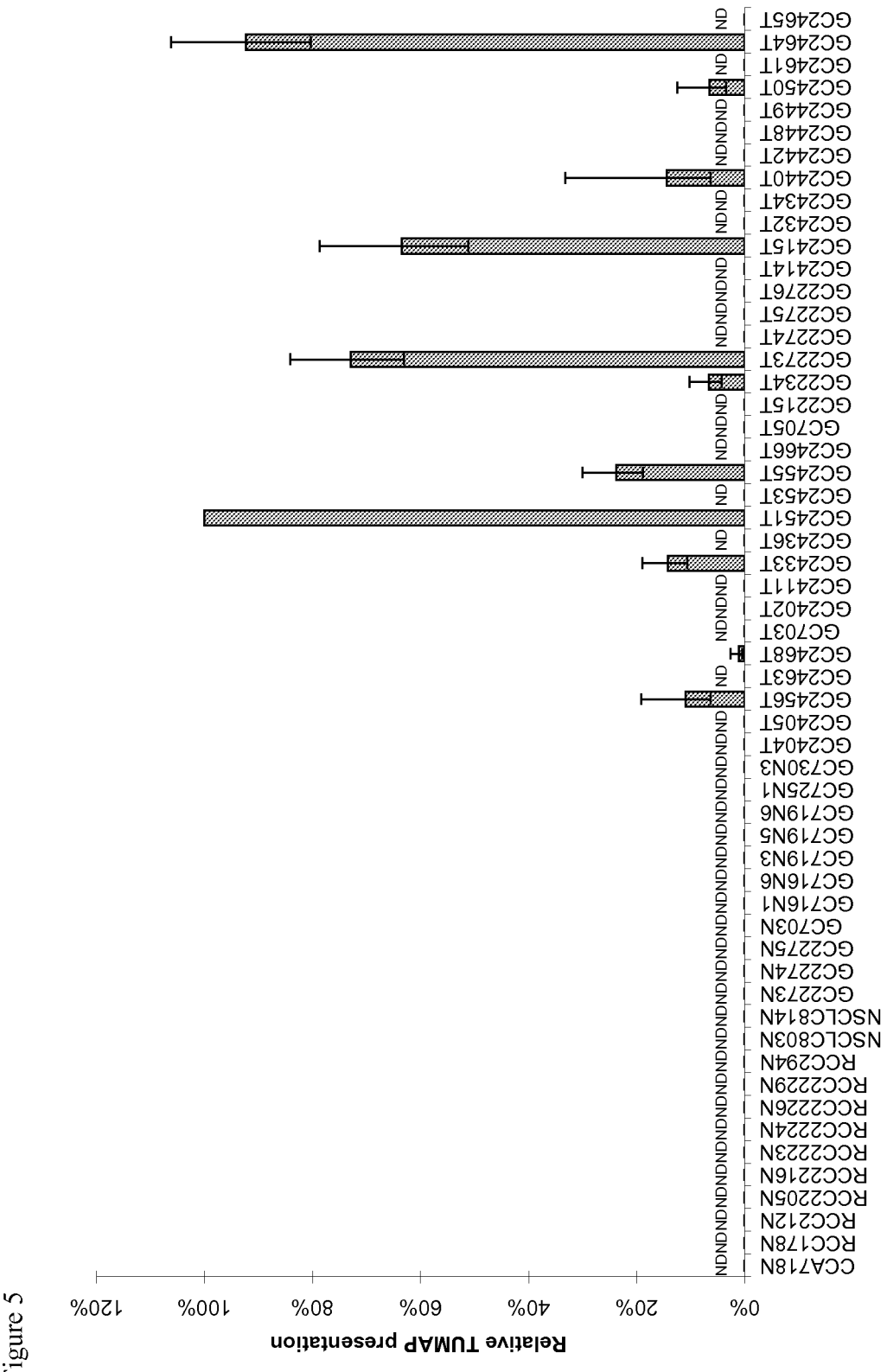

Relative TUMAP presentation
0%
20%
40%
60%
80%
100%
120%
CCA718N
RCC178N
RCC212N
RCC220SN
RCC221 6N
RCC222 3N
RCC222 4N
RCC222 6N
RCC222 9N
RCC294N
NSCLC803N
NSCLC814N
GC2273N
GC2274N
GC2275N
GC703N
GC716N1
GC716N6
GC719N3
GC719N5
GC719N6
GC725N1
GC730N3
GC2404T
GC2405T
GC2456T
GC2463T
GC2468T
GC703T
GC2402T
GC2411T
GC2433T
GC2436T
GC2451T
GC2453T
GC2455T
GC2466T
GC705T
GC2215T
GC2234T
GC2273T
GC2274T
GC2275T
GC2276T
GC2414T
GC2415T
GC2432T
GC2434T
GC2440T
GC2442T
GC2448T
GC2449T
GC2450T
GC2461T
GC2464T
GC2465T
ND

Figure 6

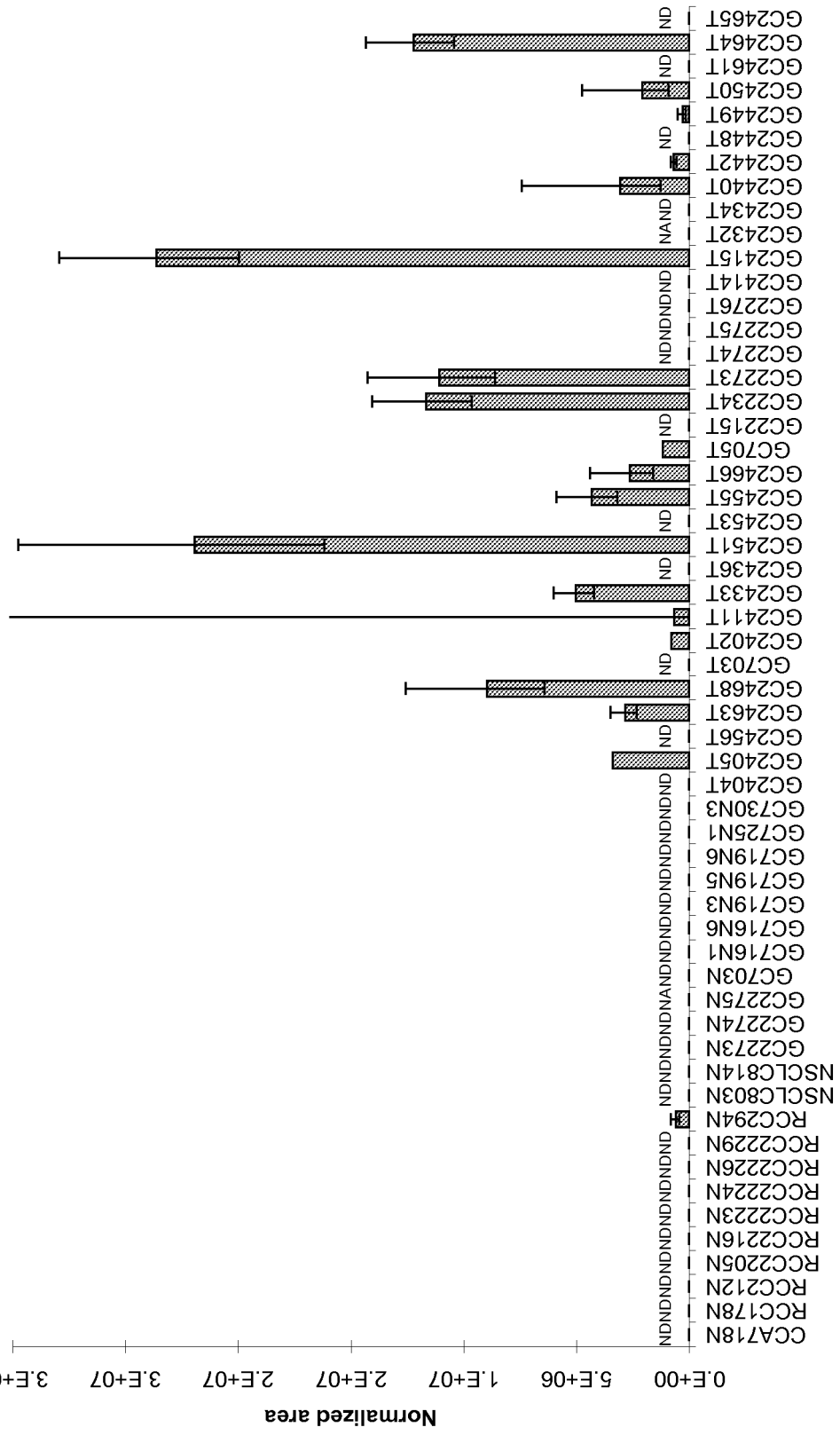

Normalized area
0.E+00
5.E+06
1.E+07
2.E+07
2.E+07
3.E+07
3.E+07
CCA718N
RCC178N
RCC212N
RCC2205N
RCC2216N
RCC2223N
RCC2224N
RCC2226N
RCC2229N
RCC294N
NSCLC803N
NSCLC814N
GC2273N
GC2274N
GC2275N
GC703N
GC716N1
GC716N6
GC719N3
GC719N5
GC719N6
GC725N1
GC730N3
GC240AT
GC240ST
GC2456T
GC2463T
GC2468T
GC703T
GC2402T
GC2411T
GC2433T
GC2436T
GC2451T
GC2453T
GC2455T
GC2466T
GC705T
GC2215T
GC2234T
GC2273T
GC2274T
GC2275T
GC2276T
GC2414T
GC2415T
GC2432T
GC2434T
GC2440T
GC2442T
GC2448T
GC2449T
GC2450T
GC2461T
GC2464T
GC2465T
ND
NA

Figure 7

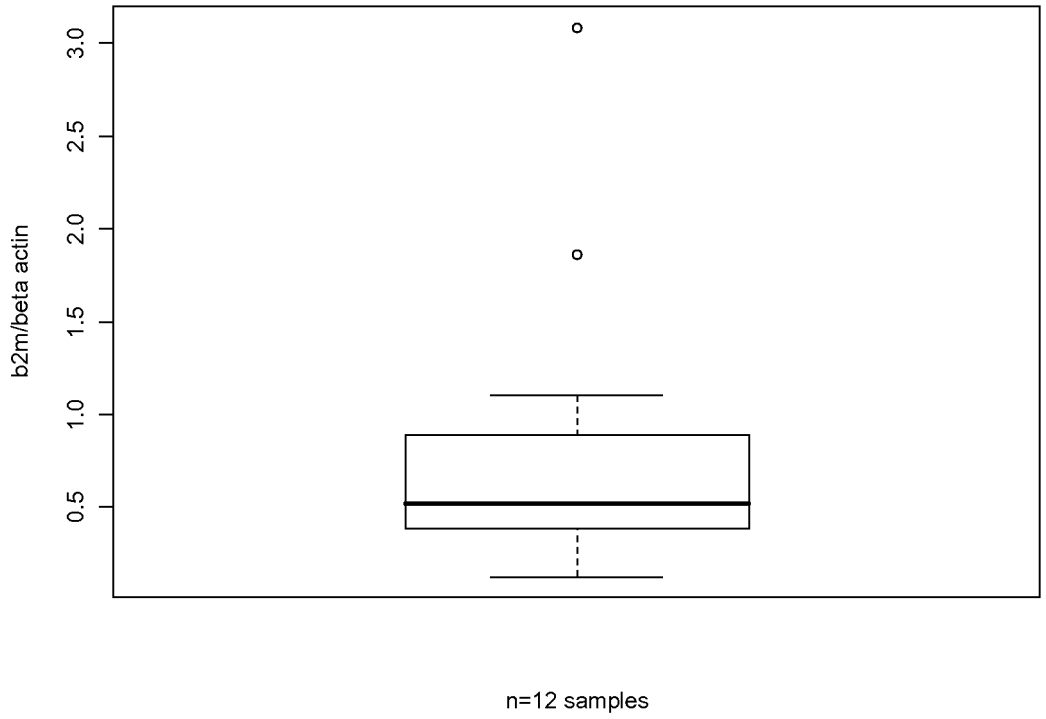
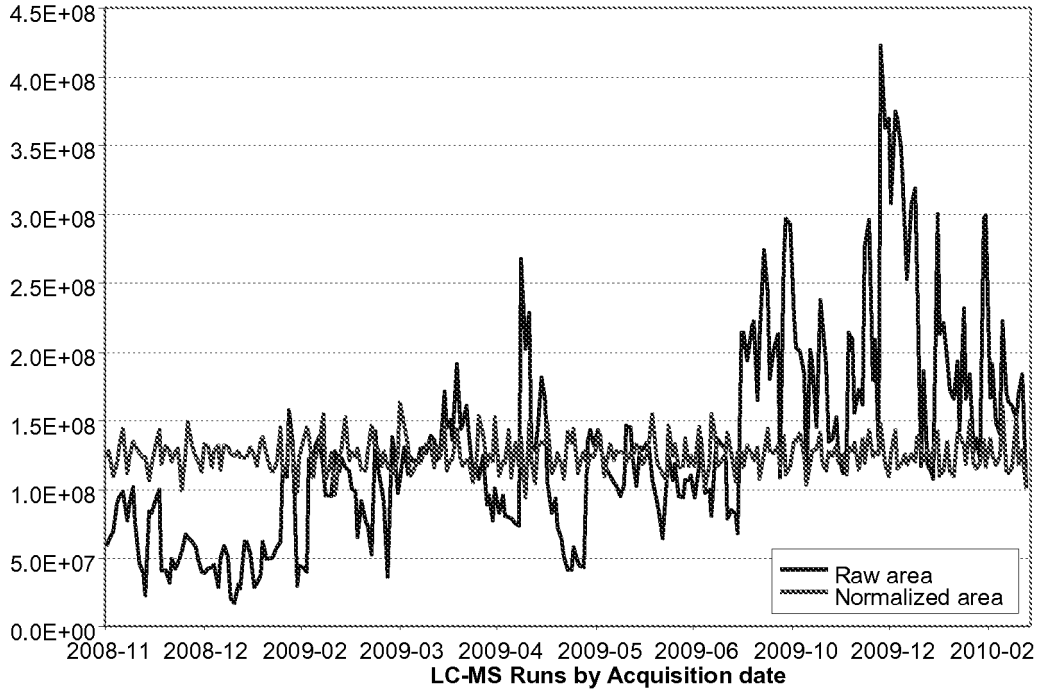
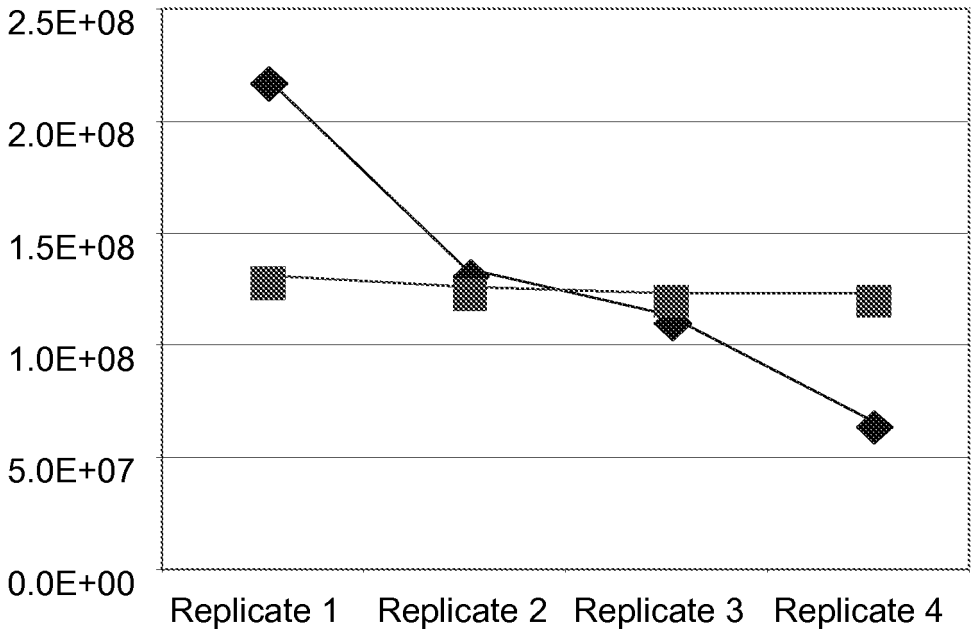


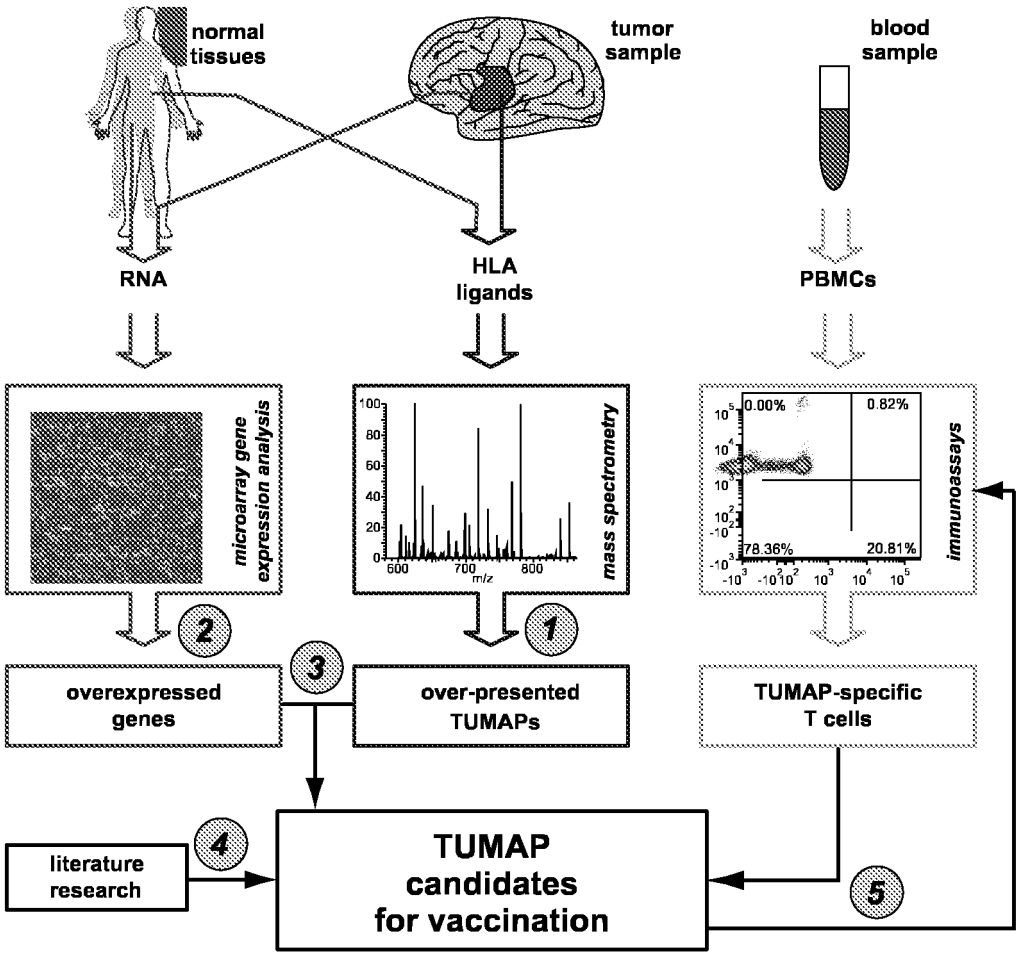
Figure 8





LC-MS runs of sample 969

Figure 9


normal tissues
tumor sample
blood sample
RNA
HLA ligands
PBMCs
microarray gene expression analysis
mass spectrometry
immunoassays
0.00%
0.82%
78.36%
20.81%
m/z
2
1
3
overexpressed genes
over-presented TUMAPs
TUMAP-specific T cells
literature research
4
TUMAP candidates for vaccination
5

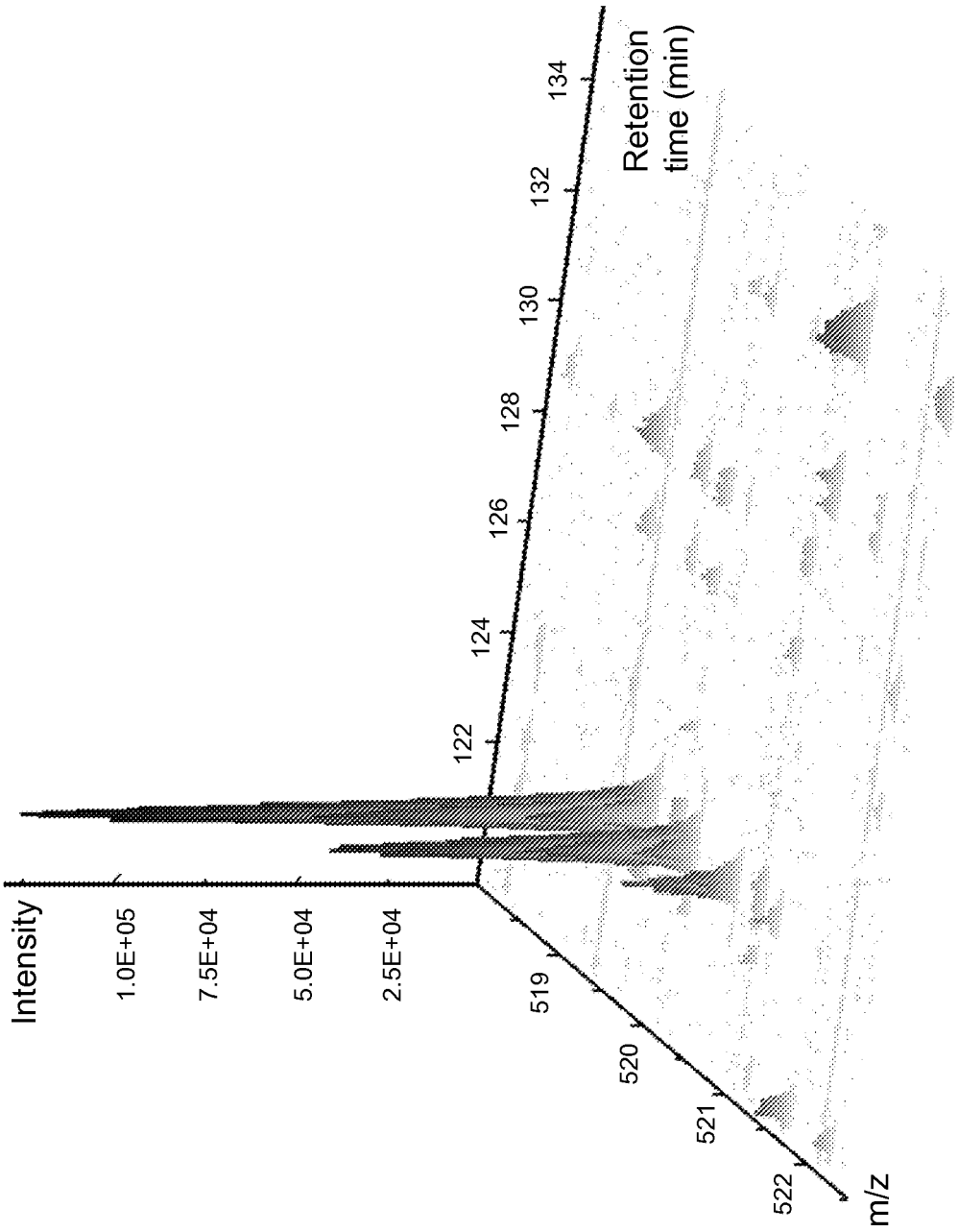

Intensity
1.0E+05
7.5E+04
5.0E+04
2.5E+04
122
124
126
128
130
132
134
Retention time (min)
519
520
521
522
m/z

Figure 10