

Fig. 1

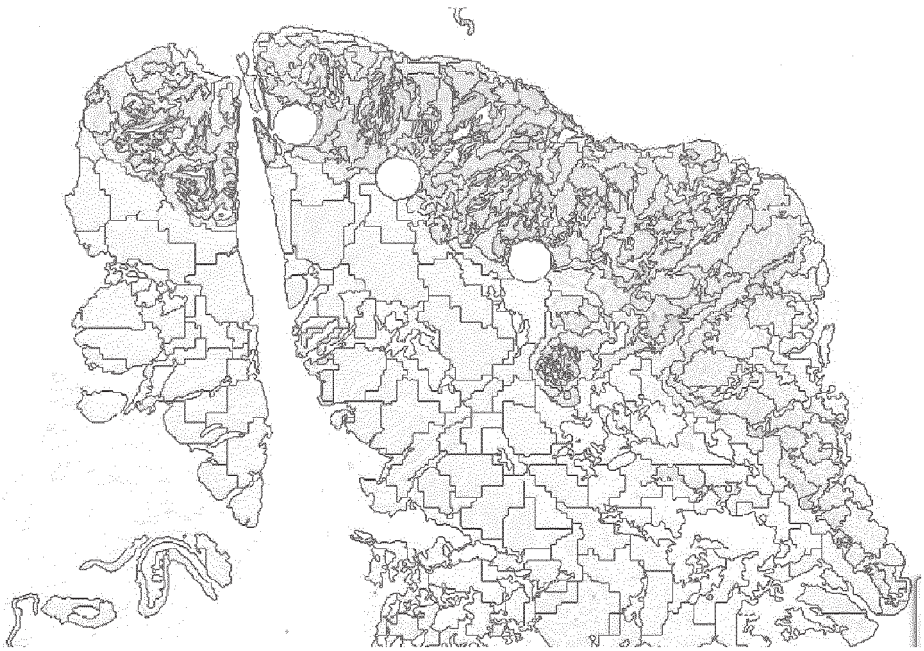


Fig. 2

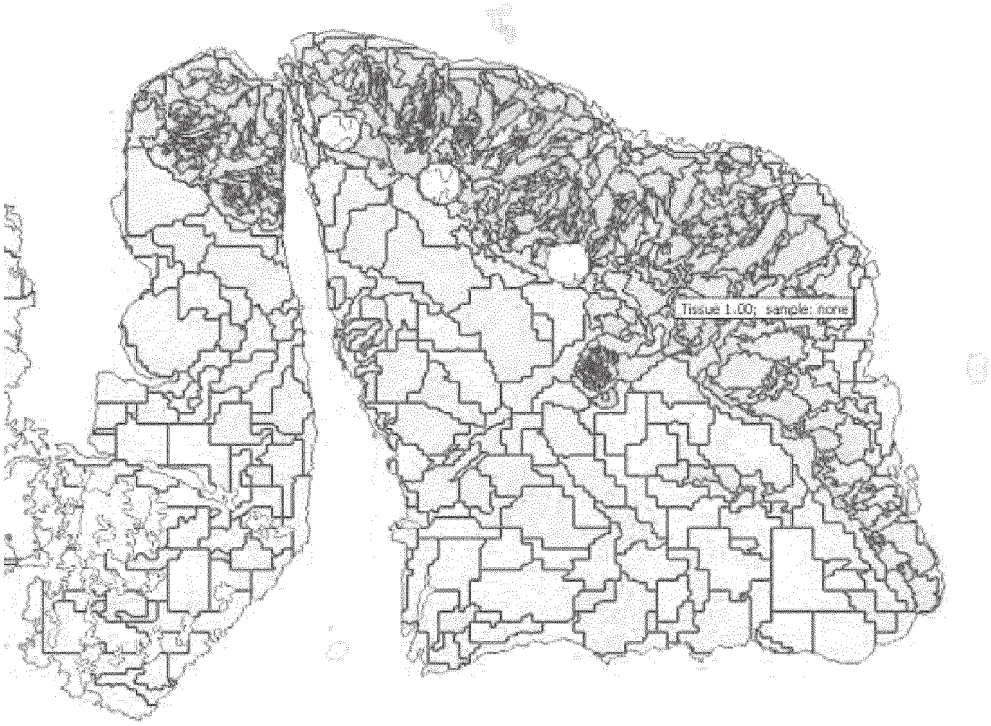


Fig. 3

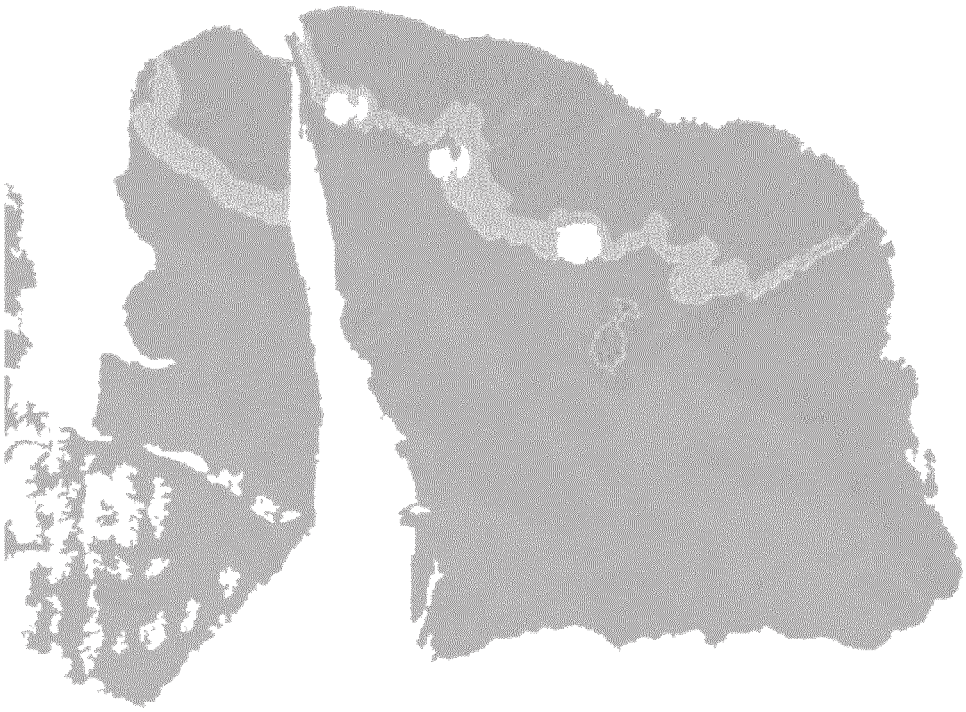


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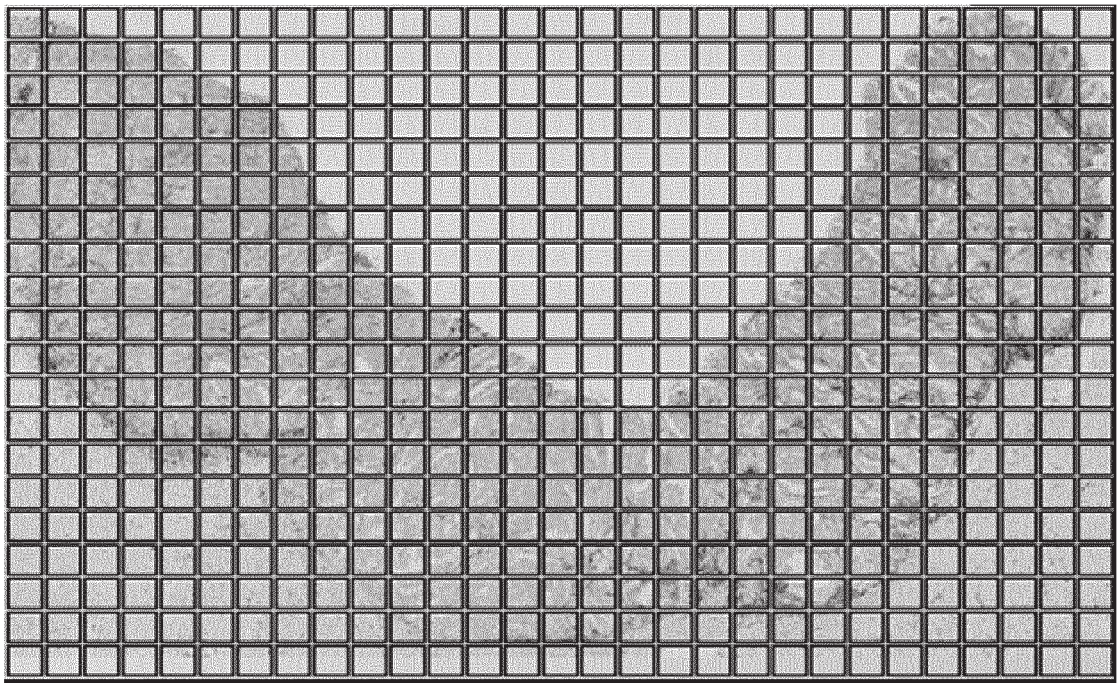


Fig. 5

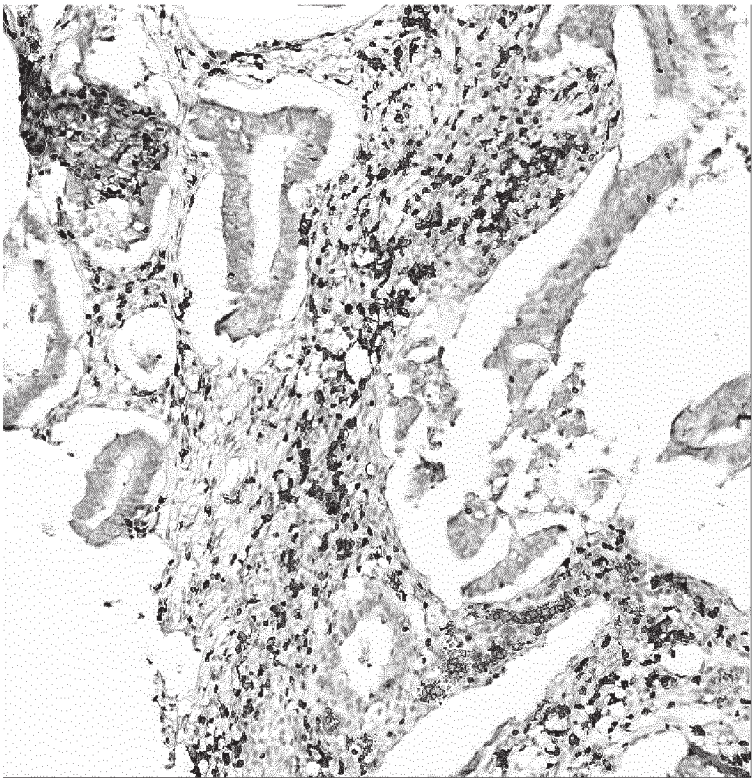


Fig. 6

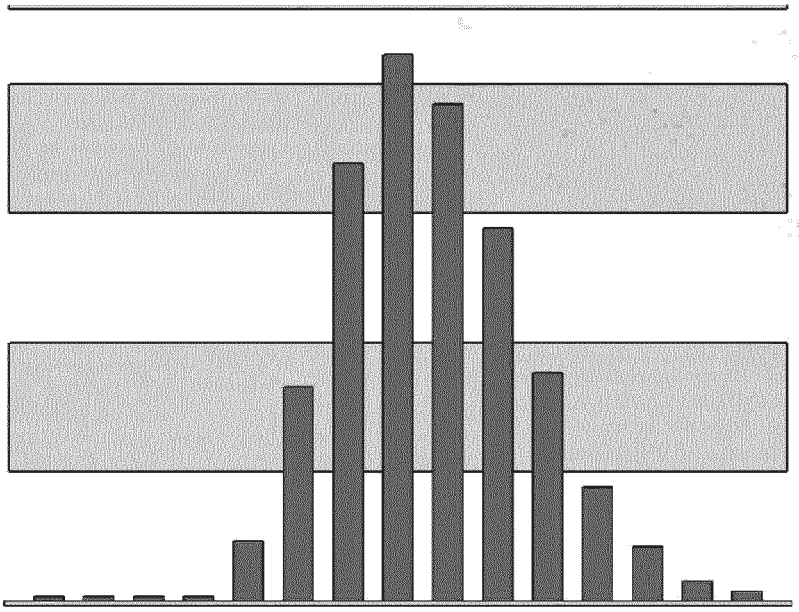


Fig. 7

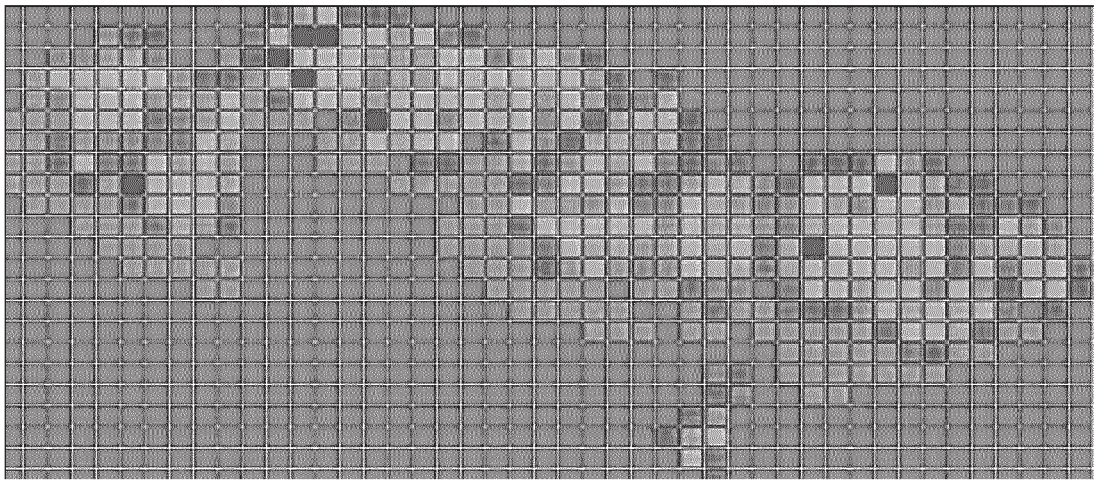


Fig. 8

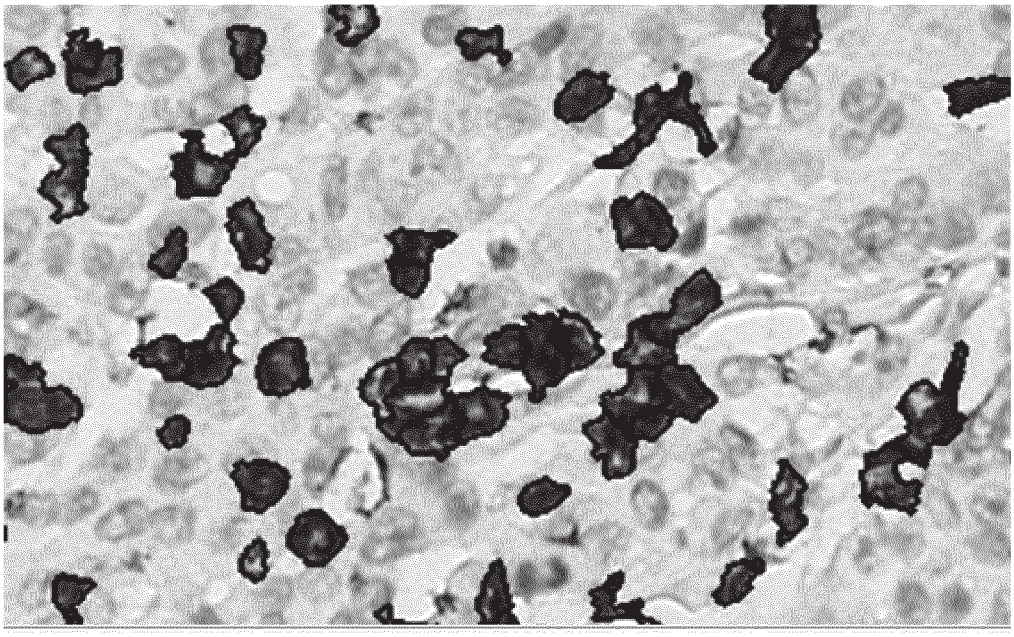


Fig. 9

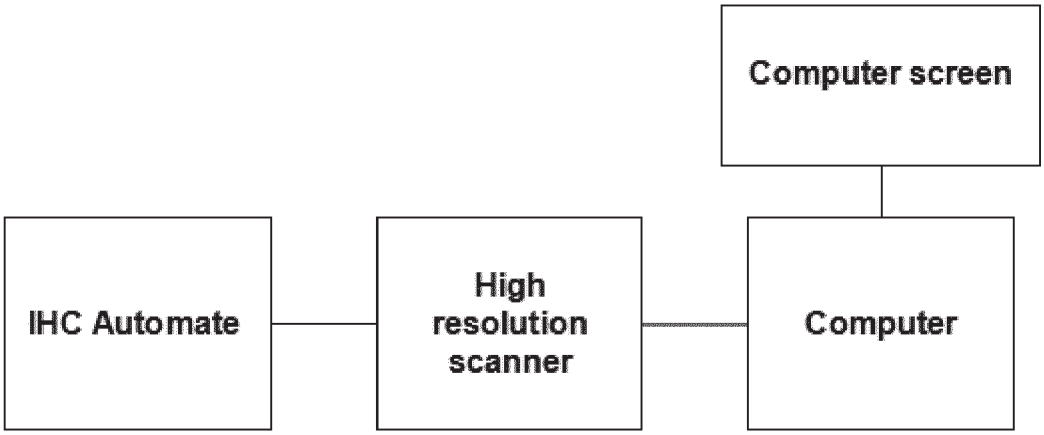

Computer screen
IHC Automate
High resolution scanner
Computer

Fig. 10

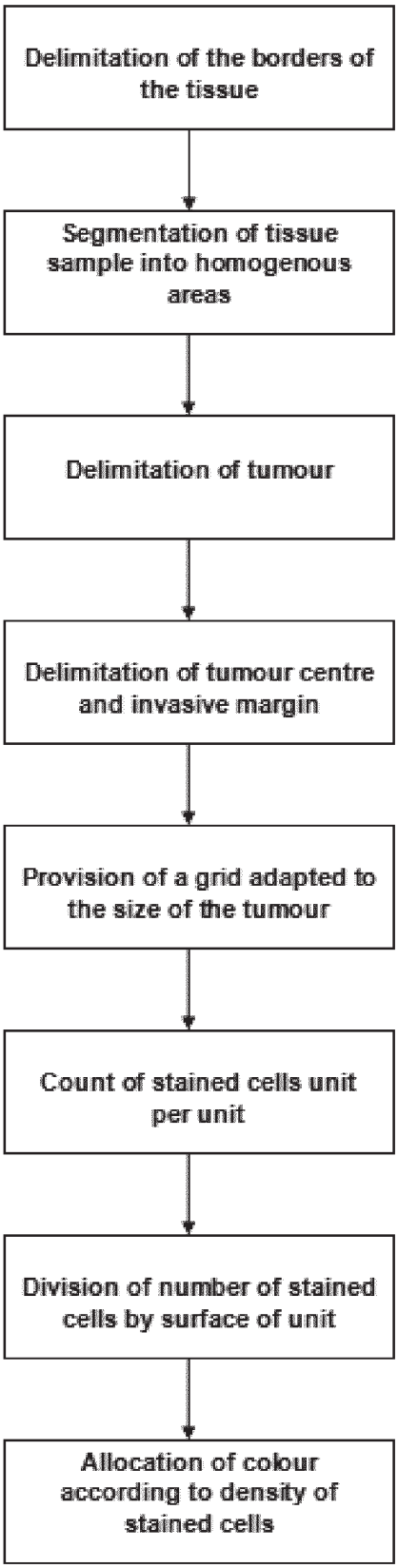

Delimitation of the borders of the tissue
Segmentation of tissue sample into homogenous areas
Delimitation of tumour
Delimitation of tumour centre and invasive margin
Provision of a grid adapted to the size of the tumour
Count of stained cells unit per unit
Division of number of stained cells by surface of unit
Allocation of colour according to density of stained cells

Fig. 11

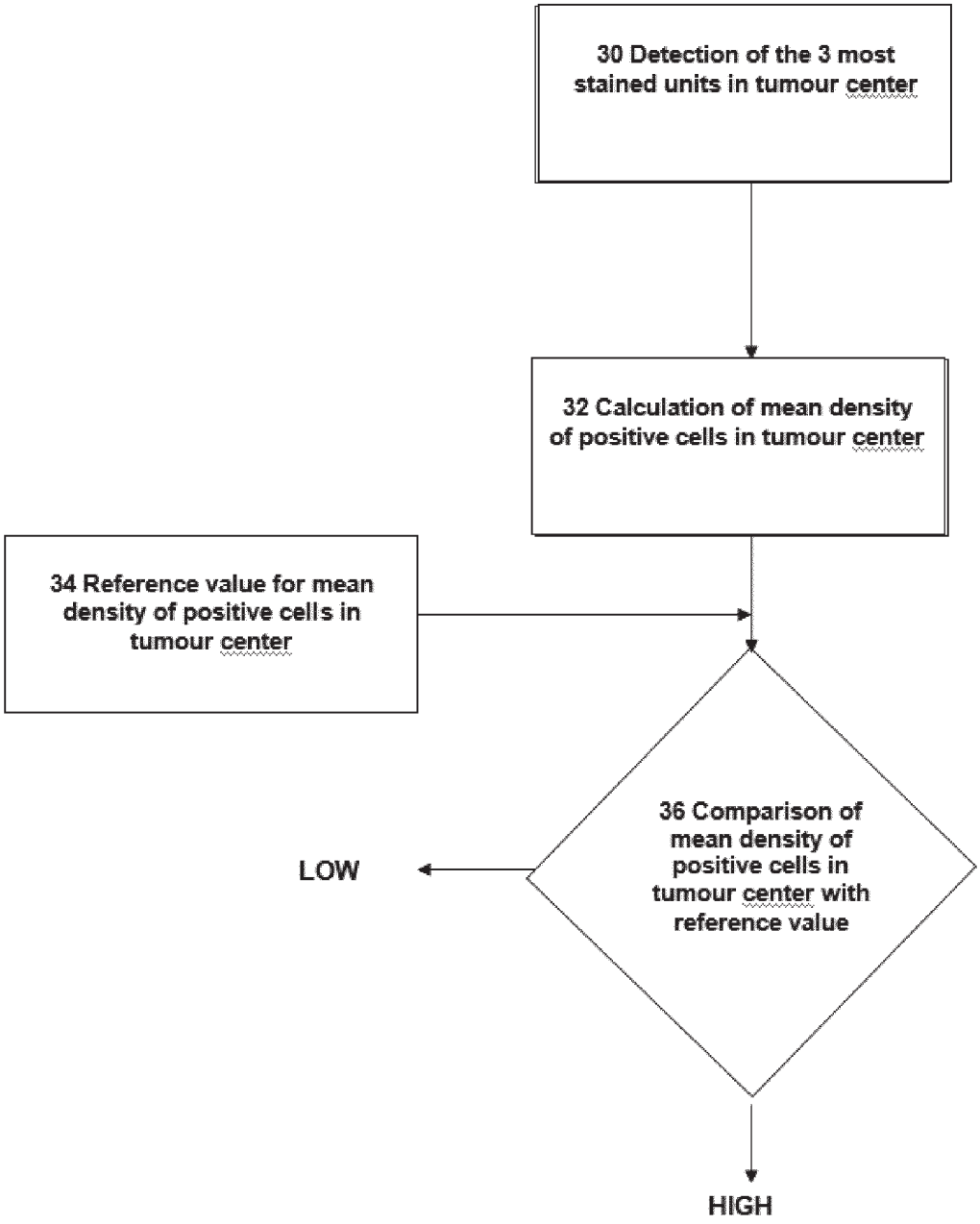

30 Detection of the 3 most stained units in tumour center
32 Calculation of mean density of positive cells in tumour center
34 Reference value for mean density of positive cells in tumour center
36 Comparison of mean density of positive cells in tumour center with reference value
LOW
HIGH

Fig. 12

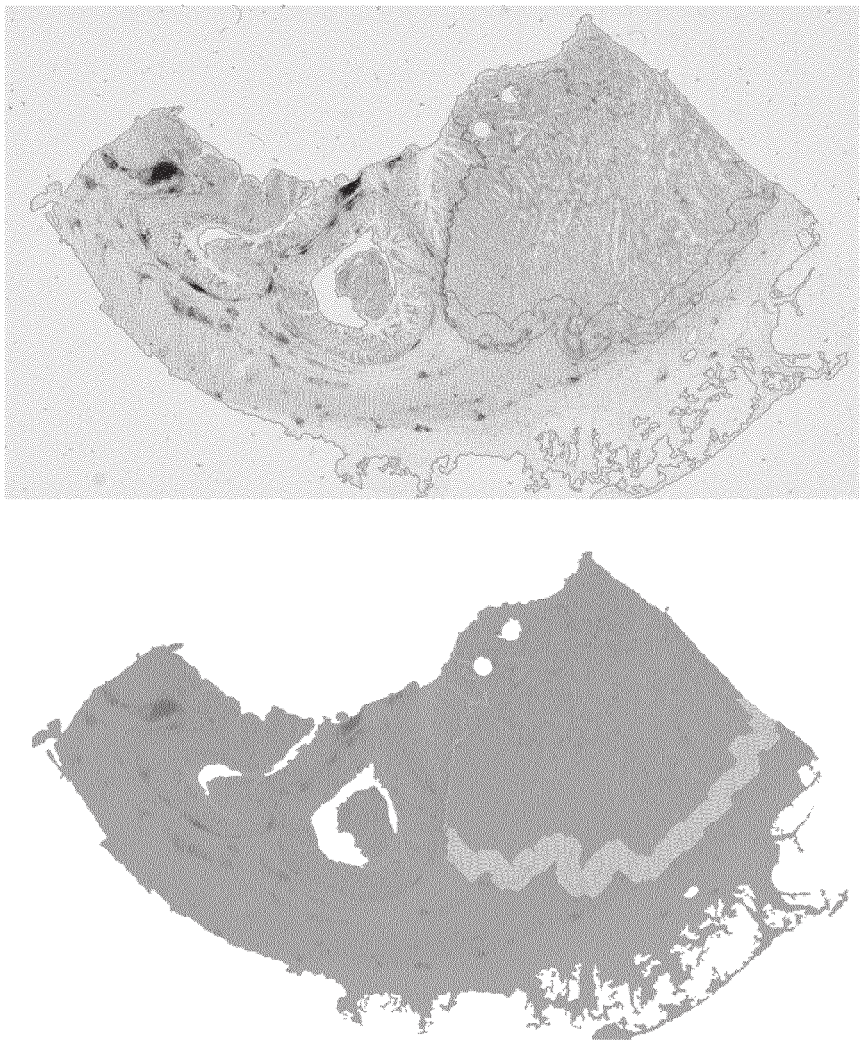
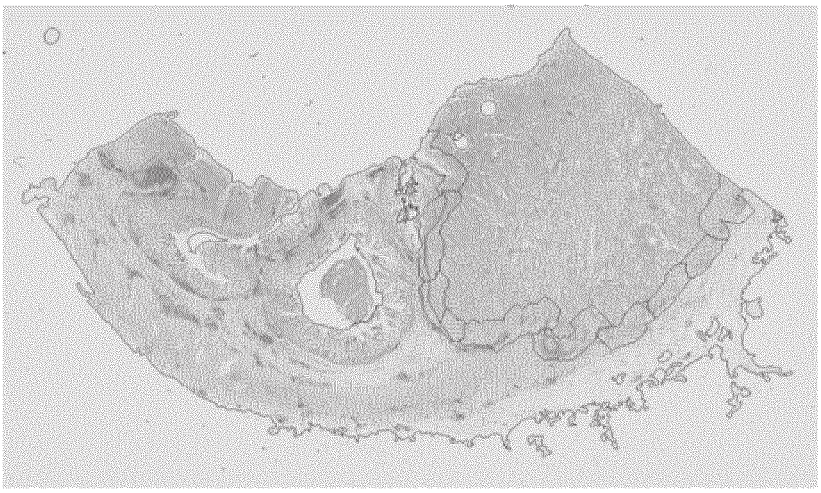
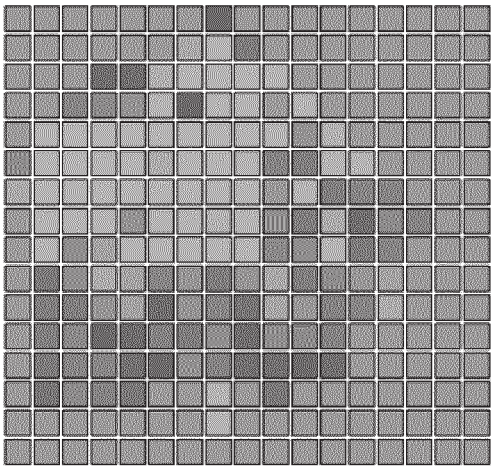


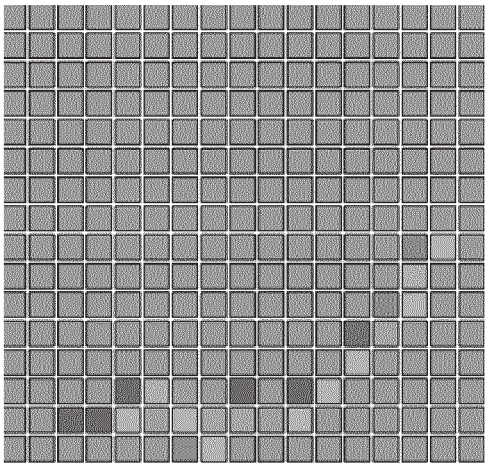
Fig. 13







tumor region (CT)



Invasive margin (IM)

Fig. 14

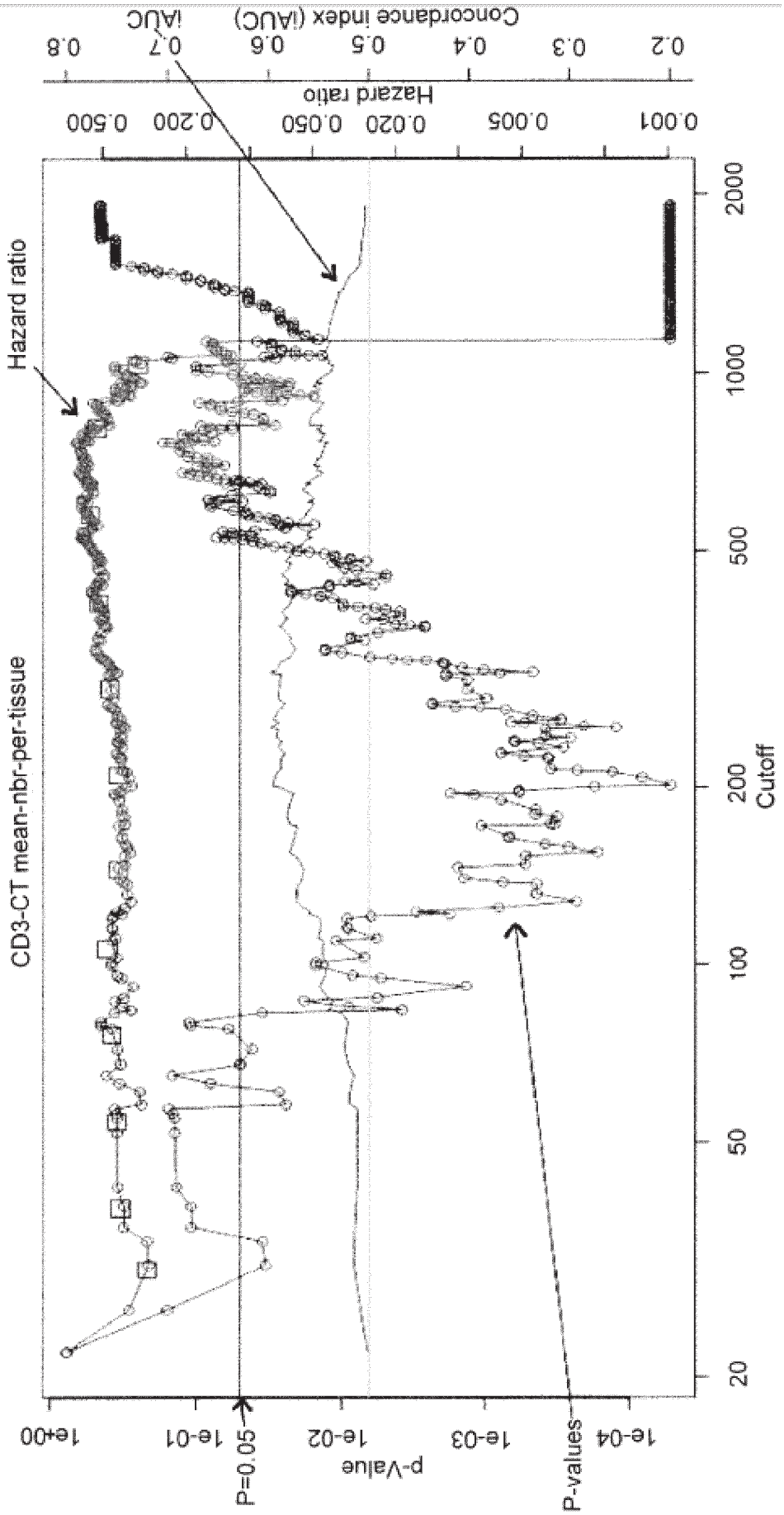

Concordance index (iAUC)
0.2
0.3
0.4
0.5
0.6
0.7
0.8
iAUC
Hazard ratio
0.001
0.005
0.020
0.050
0.200
0.500
Hazard ratio
CD3-CT mean-nbr-per-tissue
2000
1000
500
200
100
50
20
Cutoff
1e+00
1e-01
1e-02
1e-03
1e-04
p-Value
P=0.05
P-values

Fig. 15

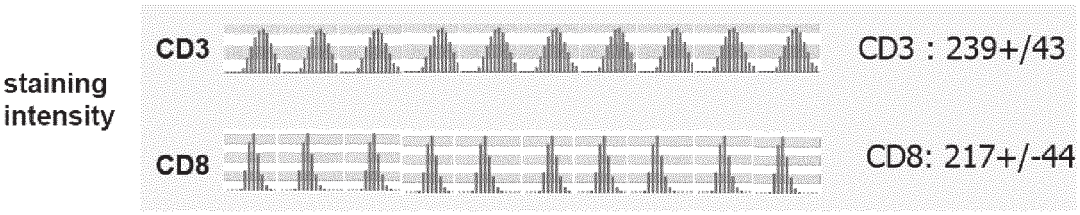


Fig. 16

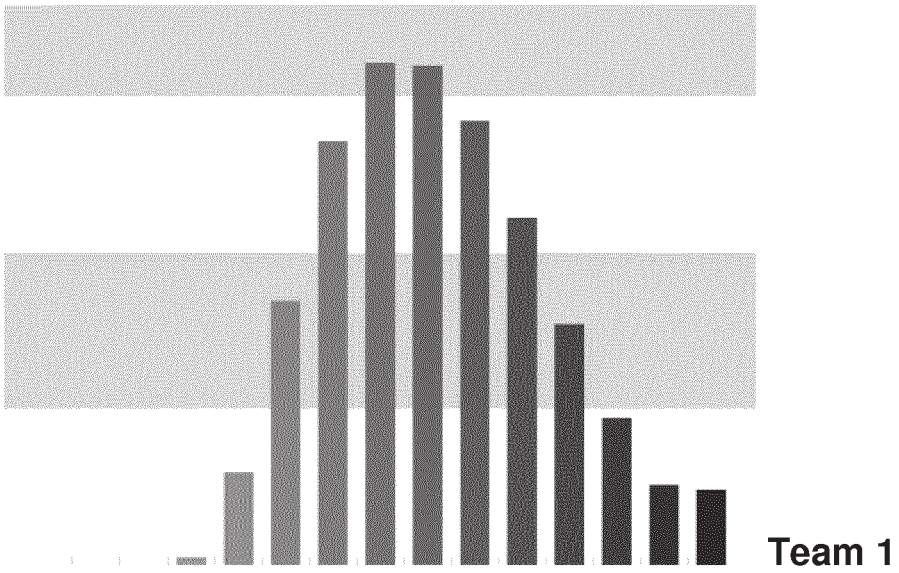


Fig. 17

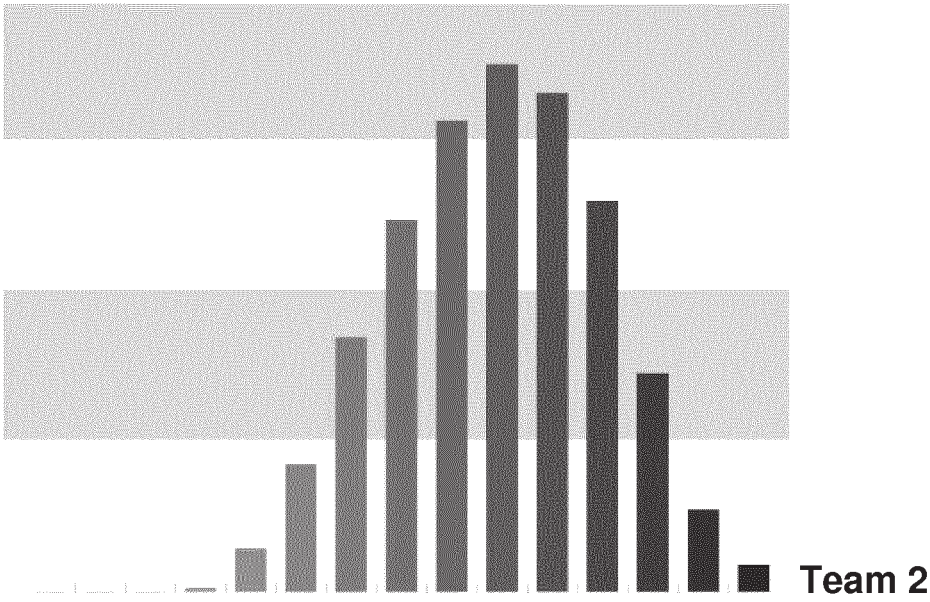


Fig. 18

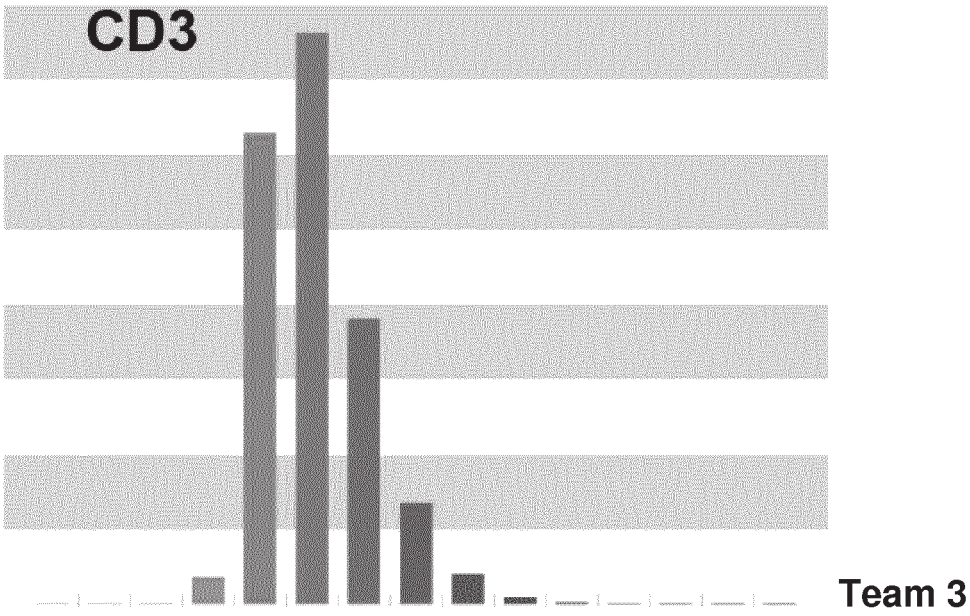


Fig. 19