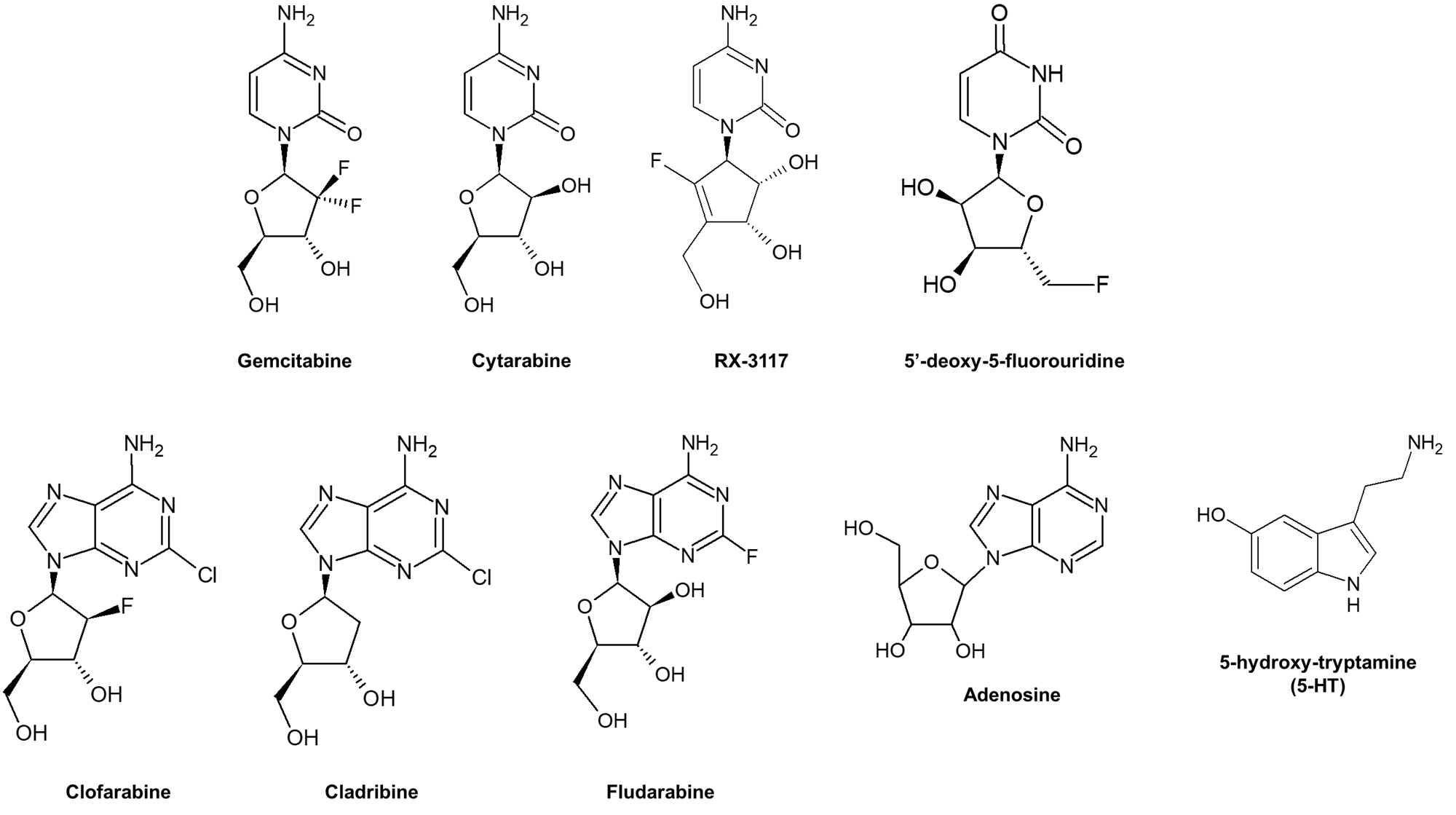
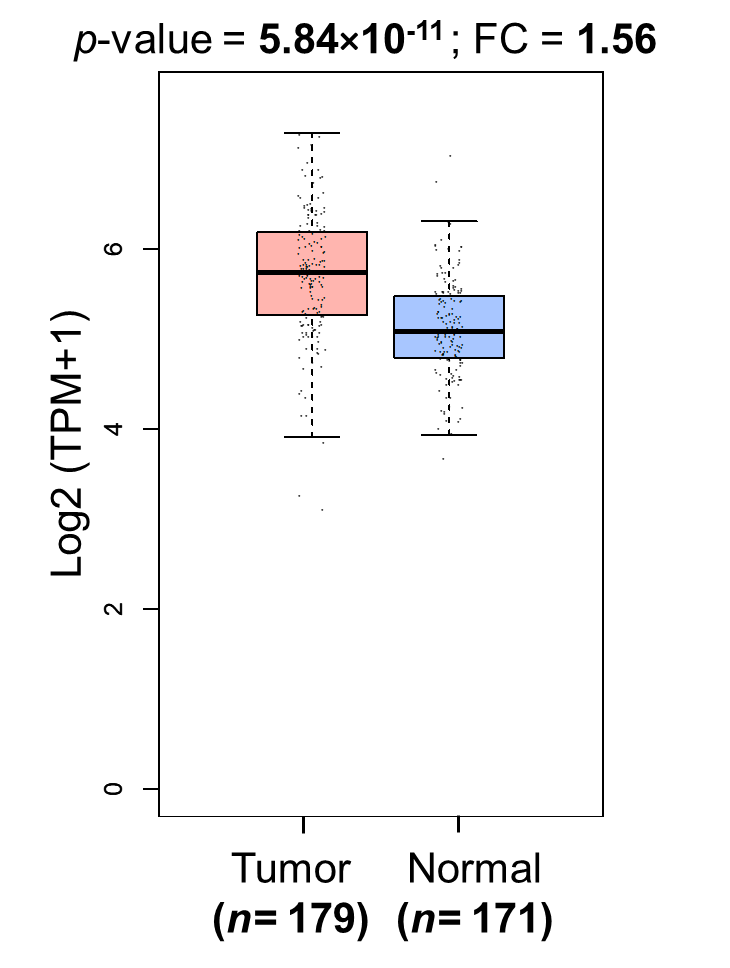
Supplementary Materials: “Open Sesame?”: Biomarker Status of Influencing the Human Equilibrative Nucleoside Transporter-1 and Molecular Mechanisms Influencing its Expression and Activity in the Uptake and Cytotoxicity of Gemcitabine in Pancreatic Cancer

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**Figure S1.** Chemical structures of the drugs transported by nucleoside transporters**.**

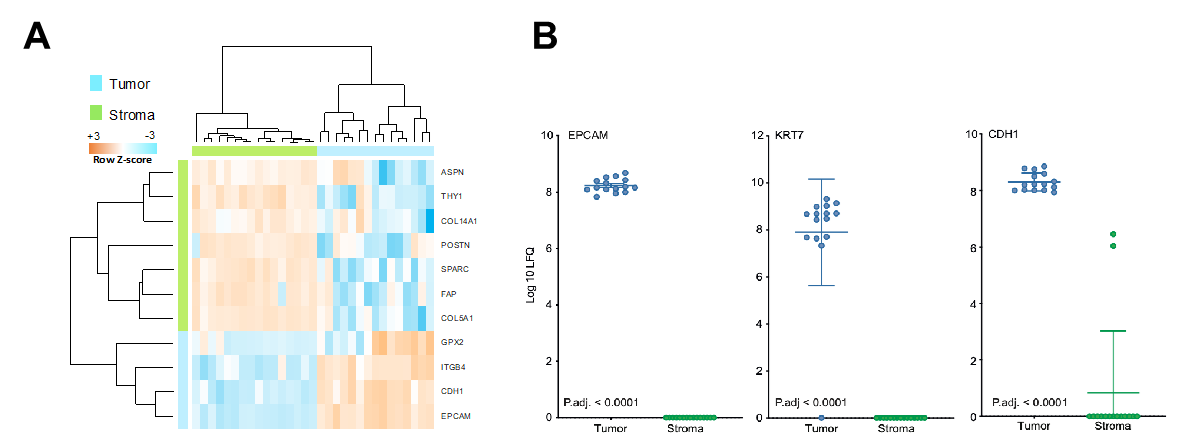


**B**

**A**



**Figure S2.** Studies evaluating hENT-1 expression levels in pancreatic tumors and normal specimens. The nucleoside transporter hENT-1iis overexpressed in different tumor types, including PDAC analyzing the RNA sequencing expression data of 9,736 tumors and 8,587 normal samples from the TCGA and the GTEx projects (http://gepia.cancer-pku.cn/detail.php?gene=SLC29A1) (panel A). However, the analysis of similarly matched transcriptomics and proteomics public datasets did not show a significance difference in hENT-1 expression levels (panel B).



**Figure S3.** Stromal and tumor compartment dissection was confirmed by evaluating the protein expression of epithelial and stromal markers (panel **A**). Moreover, protein expression of specific tumor markers (EPCAM, KRT7 and CDH1) in matched stromal samples ranged from zero to very low levels, indicating a minimal stromal contamination (panel **B**).

**Table S1.** Clinicopathological Characteristics of PDAC Patients Evaluated for hENT-1 mRNA Levels. The expression of hENT-1 was evaluated by quantitative PCR, as described previously [1].

|  |  |
| --- | --- |
| **Age—years** |  |
| Mean (± SD) | 65 (± 5) |
| **Sex—No.(%)** |  |
| Male | 12 (54.5) |
| Female | 10 (45.5) |
| **Stage \*—No. (%)** |  |
| II | 11 (50) |
| III | 11 (50) |
| **Grading (%)** |  |
| G1-G2§ | 9 (40.9) |
| G3 | 13 (59.1) |

Notes: \*AJCC Cancer Staging Manual, 7th Edition; §WHO grading system 2007; Abbreviations: PDAC = pancreatic ductal adenocarcinoma, No.= number of patients.

Table S2 can be found in excel.

Reference

**1**. Toffalorio, F.; Giovannetti, E.; De Pas, T.; Radice, D.; Pelosi, G.; Manzotti, M.; Minocci, D.; Spaggiari, L.; Spitaleri, G.; Noberasco, C.; et al. Expression of gemcitabine- and cisplatin-related genes in non-small-cell lung cancer. *Pharmacogenomics J.* **2010**, *10*, 180–190, doi: 10.1038/tpj.2009.53.