



**Fig. 1. Ectopic expressions of TS/PS genes detected in multiple cancers**

(A) Frequencies of activation of TS/PS genes in 14 different types of solid tumors from our analysis of transcriptomic data available online obtained from 1776 solid tumor samples (GSE2109, described in table S3) shown here for the 65 most frequently activated genes on a black (0%) to red (100%) scale (heat map). Overall frequencies of gene activation in all tumor samples are presented in the histogram on the right. (B) Transcriptomic profiles of TS/PS genes on a dedicated microarray in normal human tissues and in tumor samples and cell lines: “P,” “T,” “Ctrl soma,” “Cancer,” and “CCL” respectively indicate placenta, testis ( $n = 2$ ), adult somatic tissues, cancer samples of various origins, and cancer cell lines ( $n =$