

	Specialization			Over-expressed genes				Average S_i in over-expressed genes by category				Average differences in over-expressed genes by category			
	N	C	Dic.	Normal (N)		Cancer (C)		\bar{S}_r	\bar{S}_v	T	P-value	\bar{d}_r (N)	\bar{d}_v (C)	t	P-value
Organ	δ_i	δ_k	$\delta_i - \delta_k$	N	%	C	%								
Liver	1.90	1.79	0.11	6,769	27	2,102	8	1.73	1.62	5	0.00000	0.00010	0.00033	-15	0.00000
Luna	1.60	1.29	0.31	5,261	21	8,734	35	1.88	1.80	5	0.00000	0.00012	0.00007	11	0.00000
MG	2.52	1.37	1.15	1,581	6	15,527	62	1.72	2.04	-14	0.00000	0.00054	0.00005	3	0.01016
Skin	1.63	1.47	0.15	8,080	32	4,851	19	1.97	1.56	28	0.00000	0.00008	0.00014	-7	0.00000
Soleen	1.73	1.37	0.36	6,232	25	2,581	10	1.84	1.43	22	0.00000	0.00014	0.00033	-18	0.00000
Average	1.87	1.46	0.42	5,585	22	6759	27	1.83	1.69	9	NA	0.00020	0.00018	NA	NA

N – Data from the normal tissue; C – data from the cancerous tissues. t – Value of the t-statistic and associated P-value. See definitions of other columns headings in Materials and Methods. In red cases where the average specialization of over-expressed genes in normal tissues is larger than the corresponding average specialization in cancer; in blue the cases where the opposite is true.