Supplementary Table S5. *The results of a TOX analysis in Ingenuity Pathway Analysis carried out for the complete transcriptome of adipose-derived stem cells treated with PDGF2 (p ≤ 0.05) in comparison to that of parallel controls untreated with PDGF2*

Categories: Cancer, Hematological Disease, Organismal Injury and Abnormalities Cancer, Cellular Development, Cellular Growth and Proliferation, Organismal Injury and Abnormalities, Tumor Morphology

Diseases or Functions Annotation	p	Predicted Activation State	z-Score	Number of Molecules Involved in the Process
Lymphohematopoietic neoplasia	5.90E-17	Decreased	−2.121	376
Hematopoietic neoplasm	2.65E-16	Decreased	−2.121	372
Cancer	4.82E-16		−1.732	1118
Solid tumor	1.11E-16		−0.487	1121
Growth of malignant tumor	1.35E-06		−0.472	30
Nonhematological solid tumor	3.06E-17		−0.411	1106
Melanoma	2.83E-39		−0.398	823
Malignant solid tumor	5.47E-17		−0.350	1117
Connective or soft tissue tumor	2.34E-06		−0.257	168
Proliferation of sarcoma cells	8.52E-06		−0.257	11
Proliferation of cancer cells	4.24E-06		−0.238	28
Cancer of cells	1.61E-34		−0.152	547
Advanced malignant tumor	2.19E-11		−0.152	117
Secondary tumor	1.70E-08		−0.152	95
Nonmelanoma solid tumor	9.61E-19		−0.118	1102
Nervous system neoplasm	7.67E-11		−0.077	180
Development of neuroepithelial tumor	8.50E-10		−0.077	151
Glioma	2.16E-09		−0.077	149
Central nervous system solid tumor	6.38E-09		−0.077	166
Breast or colorectal cancer	3.47E-22		0.000	670
Nonhematological malignant neoplasm	6.25E-17		0.121	1103
Abdominal cancer	4.76E-25		0.152	1059
Liver lesion	7.56E-18		0.197	577
Proliferation of tumor cells	2.62E-06		0.349	31
Genitourinary tumor	4.06E-30		0.539	831
Abdominal neoplasm	4.07E-24		0.555	1067
Mammary tumor	1.91E-15		0.600	301
Growth of tumor	9.06E-07		0.657	35
Extracranial solid tumor	1.13E-15		0.661	1114
Neoplasia of cells	5.41E-34		0.764	553
Incidence of tumor	2.24E-29		0.896	827
Frequency of tumor	1.06E-23		0.896	788
Development of malignant tumor	1.16E-22		0.896	778
Epithelial neoplasm	1.09E-18		0.970	1096
Carcinoma	3.31E-18		0.970	1094
Tumorigenesis of tissue	7.82E-18		0.970	1097

Category: Cell Death and Survival

Diseases or Functions Annotation	p	Predicted Activation State	z-Score	Number of Molecules Involved in the Process
Cell death of immune cells	5.48E-09		−1.861	48
Necrosis	2.27E-19		−1.474	268
Apoptosis	7.87E-17		−1.297	246
Apoptosis of tumor cell lines	1.43E-11		−1.218	169
Cell death of tumor cell lines	5.27E-12		−0.586	205
Apoptosis of leukocytes	2.12E-07		−0.006	33
Apoptosis of lymphocytes	1.63E-06		0.347	23
Cell death of mononuclear leukocytes	8.95E-07		0.352	28
Cell death of lymphocytes	1.61E-06		0.372	26
Apoptosis of mononuclear leukocytes	8.27E-07		0.374	25
Cell survival	2.30E-06		1.161	135
Cell viability	1.54E-06		1.176	132

The *z*-score is an algorithm in the IPA software designed to reduce the chance that random data will produce a significant prediction. It identifies functions with the strongest prediction for an increase (positive *z*-score) or a decrease (negative *z*-score). *p*-Score values <0.05 and *z*-score values ≤−2 or ≥2 were considered significant.

TOX, toxicity analysis.