

Northcott et al. Supplementary Table 5a

GSEA: Chemical & Genetic Perturbations --- Enriched in WNT vs Non-WNT					
#	Gene Set Name	Description	NES	pVal	FDR qValue
1	SANSOM_APC_4_DN	The top 98 downregulated genes following Apc loss at day 4	1.912	0.000	0.074
2	YE_INTRAMETASTATIC_HCC_UP	Genes highly expressed in hepatocellular carcinoma with intra-hepatic metastasis.	1.851	0.000	0.109
3	TARTE_PC	Genes overexpressed in polyclonal plasmablastic cells (PPCs), mature plasma cells isolated from tonsils (TPCs), and mature plasma cells isolated from bone marrow (BMPCs), as compared to B cells purified from peripheral blood (PBBs) and tonsils (TBCs).	1.849	0.000	0.075
4	BRCA2_BRCA1_UP	Genes up-regulated in BRCA2-linked breast tumors, relative to BRCA1-linked tumors	1.826	0.000	0.088
5	KLEIN_PEL_UP	Genes downregulated in AIDS-related primary effusion lymphoma (PEL) cells compared to normal B cells and other tumor subtypes.	1.826	0.000	0.070
6	TGFBETA_LATE_UP	Upregulated by TGF-beta treatment of skin fibroblasts only at 1-4 hrs (clusters 4-6)	1.826	0.000	0.059
7	XU_CBP_DN	Fifty-nine probe sets downregulated at least 17-fold in CBP null B cells	1.815	0.000	0.062
8	ADIP_DIFF_CLUSTER3	Strongly upregulated at 8 hours during differentiation of 3T3-L1 fibroblasts into adipocytes (cluster 3)	1.780	0.002	0.094
9	AGED_MOUSE_NEOCORTEX_UP	Upregulated in the neocortex of aged adult mice (30-month) vs. young adult (5-month)	1.770	0.000	0.095
10	IFN_BETA_GLIOMA_DN	Down-regulated in human glioma cells (T98) at 48 hours following treatment with interferon-beta	1.768	0.000	0.090
11	CHEN_HOXA5_TARGETS_DN	The following tables are gene lists which included differentially expressed genes with at least two-fold changes (Sig log-average >1) in 4 out of 4 comparisons as described in the text Down-regulated	1.729	0.002	0.145
12	UVC_TTD_4HR_UP	Up-regulated at 4 hours following treatment of XPB/TTD fibroblasts with 3 J/m ² UVC	1.727	0.022	0.137
13	IL6_SCAR_FIBRO_UP	Upregulated following IL-6 treatment in hypertrophic scar fibroblasts	1.725	0.004	0.129
14	TGFBETA_C5_UP	Upregulated by TGF-beta treatment of skin fibroblasts, cluster 5	1.715	0.000	0.138
15	ADIPOGENESIS_HMSC_CLASS8_DN	Down-regulated 1-14 days following the differentiation of human bone marrow mesenchymal stem cells (hMSC) into adipocytes, versus untreated hMSC cells (Class VIII)	1.692	0.002	0.174
16	UVC_HIGH_ALL_UP	Up-regulated at any timepoint following treatment of WS1 human skin fibroblasts with UVC at a high dose (50 J/m ²) (clusters b1-b4)	1.687	0.008	0.175
17	AS3_FIBRO_C1	Upregulated strongly by sodium arsenite in fibroblasts (Cluster 1)	1.678	0.002	0.186
18	AS3_FIBRO_C2	Upregulated moderately by sodium arsenite in fibroblasts (Cluster 2)	1.678	0.002	0.175
19	OXSTRESS_RPE_H2O2TBH_DN	Downregulated by H2O2 and t-BH in retinal pigment epithelium cells (Tables 5)	1.678	0.002	0.166
20	AGED_MOUSE_MUSCLE_UP	Upregulated in the gastrocnemius muscle of aged adult mice (30-month) vs. young adult (5-month)	1.675	0.006	0.164