

Supplementary Table S7 A: T-cell genes in 5-aza-dC/TSA-treated ALCL cells are not significantly reactivated

ANOVA analysis of all four ALCL cell lines (FE-PD, JB6, Karpas 299, SU-DHL-1) (5-aza-dC/TSA-treated vs. untreated). Expression changes for the listed T-cell genes are statistically not significant.

gene symbol	entrez gene	Affy Id	RefSeq	p-value	Benjamini Hochberg	log ratio fold change	fold change
CD3E	916	205456_at	NM_000733.2	0,18	0,42	0,25	1,19
CD4	920	203547_at	NM_000616.3	0,55	0,74	-0,55	-1,46
CD8A	925	205758_at	NM_171827.2	0,05	0,22	0,41	1,33
CD8B	926	215332_s_at	NM_172213.2	0,97	0,99	0,01	1
LAT	27040	211005_at	NM_001014989.1	0,27	0,51	-0,44	-1,36
LCK	3932	204890_s_at	NM_005356.3	0,26	0,5	-0,23	-1,17
LCP2	3937	205269_at	NM_005565.3	0,46	0,67	-0,47	-1,38
NCK1	4690	204725_s_at	NM_006153.3	0,17	0,4	-0,44	-1,36
NCK2	8440	203315_at	NM_003581.2	0,93	0,97	0,05	1,04
VAV1	7409	206219_s_at	NM_005428.2	0,2	0,43	-0,31	-1,24
ZAP70	7535	214032_at	NM_001079.3	0,27	0,51	-0,66	-1,58

Supplementary Table S7 B: No significant regulation (raw values) of several T-cell genes in 5-aza-dC/TSA-treated ALCL cells.

Normalized U133A hybridization data of several T-cell genes for each ALCL cell line (both 5-aza-dC/TSA-treated and untreated). E.g. ZAP70 is slightly up-regulated upon epigenetic treatment in accordance with the results published by Ambrogio *et al* (see reference in manuscript). However, a broader analysis reveals no significant change in expression for all T-cell genes listed (see Supplementary Table S6B). Note that this expression values on U133A chips is never 0 since there is always a hybridization background.

gene symbol	entrezgene	Affyld	RefSeq	FE-PD_AT	FE-PD_untreated	JB6_AT	JB6_untreated
CD3E	916	205456_at	NM_000733.2	7,745861541	7,962331093	7,906218513	7,637325698
CD4	920	203547_at	NM_000616.3	8,4927134	9,674591231	7,767571093	7,662828807
CD8A	925	205758_at	NM_171827.2	6,985023581	6,99483207	7,405947731	6,666835815
CD8B	926	207979_s_at	NM_172213.2	7,600664379	8,745628752	7,720613998	7,212580203
LAT	27040	209881_s_at	NM_001014989.1	7,642482766	8,121728793	7,956858244	7,759878263
LCK	3932	204890_s_at	NM_005356.3	6,500625391	6,755254637	6,029574555	6,00509534
LCP2 (SLP76)	3937	205270_s_at	NM_005565.3	6,914492858	6,905693735	6,460887258	6,237686491
NCK1	4690	204725_s_at	NM_006153.3	7,862766247	8,144953861	6,895287787	7,882876152
NCK2	8440	203315_at	NM_003581.2	10,13283649	9,859819707	7,985351745	8,699766243
VAV1	7409	206219_s_at	NM_005428.2	7,99007974	8,420337082	7,91469951	8,333365945
ZAP70	7535	214032_at	NM_001079.3	6,367635523	7,487409085	6,67181682	7,68965763

gene symbol	entrezgene	Affyld	RefSeq	Karpas_299_AT	Karpas_299_untreated	SUDHL-1_AT	SUDHL-1_untreated
CD3E	916	205456_at	NM_000733.2	7,956870915	7,195374259	7,867056641	7,693880347
CD4	920	203547_at	NM_000616.3	9,729578938	11,13036442	7,465209911	7,190252993
CD8A	925	205758_at	NM_171827.2	7,022619934	6,519847189	6,84852377	6,453007268
CD8B	926	207979_s_at	NM_172213.2	7,088714411	6,944611045	7,52672896	6,847299203
LAT	27040	209881_s_at	NM_001014989.1	7,993598113	7,614186089	7,133832609	7,000961426
LCK	3932	204890_s_at	NM_005356.3	6,165661757	6,38874988	6,096915154	6,552830556
LCP2 (SLP76)	3937	205270_s_at	NM_005565.3	7,671355055	8,4573192	6,535247547	6,394981658
NCK1	4690	204725_s_at	NM_006153.3	8,207474618	8,114599924	8,001981598	8,594047865
NCK2	8440	203315_at	NM_003581.2	9,886202548	9,720034275	8,731000113	8,248024611

VAV1	7409	206219_s_at	NM_005428.2	8,856622204	8,642911077	8,147293549	8,76292672
ZAP70	7535	214032_at	NM_001079.3	6,623072151	7,595296194	5,635716245	5,170472596