

Transcriptional factors*

* HTLV1 Tax protein induced transcription factors and their target genes

<i>Pathway</i>	<i>Number of genes</i>	<i>P-value</i>	<i>FDR</i>	<i>Brief Description</i>	<i>Reference</i>
Published ATLL-gene signature	220	0.001	0.001	ATLL upregulated genes	Blood 105:1204-13, 2005
TCR signaling (1)	26	0.008	0.016	TCR complex and co-stimulatory/co-inhibitory molecules	Lymphoid gene-signature data base.
TCR signaling (2)	44	0.017	0.024	T cell activation upon engagement of TCR	BioCarta
Mature CD4+ T-cells	156	0.002	0.034	Genes upregulated in peripheral Blood CD4+ T-cells compared to single positive thymic CD4+ T-cells	Lymphoid gene-signature data base

Transcription factor	Number of target genes	P-value	FDR	Reference
ATF1	118	<0.0023	0.015	BRB-ArrayTools
NF- κ B1	265	<0.006	0.012	-as above
CREB1	231	<0.0046	0.04	- as above
RAR γ	48	< 0.0001	<0.01	- as above
MYB	13	<0.0001	0.03	- as above