

Table 1.

Presentation of a series of 13 NB cell lines and 18 tumours for which PHOX2B expression data were analysed on Affymetrix HG U133 Plus 2.0 arrays (Affy Exp) and/or RT-PCR. Mutations, LOH and methylation analyses are presented as well as prognostic factors (stage, loss of 1p36, N-MYC amplification; A, Amplified; NA, Non Amplified)

		<i>PHOX2B</i>							
		Affy Exp	RT-PCR	Mutation	LOH	Methylation	Stage INSS	Loss of 1p36	N-MYC
Cell lines	CLB-BAR	3679	+	-	-	-	4	+	A
	CLB-GA	6956	+	-	-	-	4	+	NA
	CLB-GE	5725	+	-	-	-	4	+	A
	CLB-MA	7820	+	-	-	-	4	+	A
	CLB-PE	387	+	-	-	-	2	-	A
	GIMEN	6	-	-	-	+	4	+	NA
	IMR32	8839	+	-	-	-	2	+	A
	KCNR	5181	+	-	-	-	4	+	A
	SJNB12	11010	+	-	-	-	3A	+	NA
	SKNAS	2169	+	-	-	-	4	+	NA
	SKNSH	23	-	721-740del20nt	-	-	4	-	NA
	SKNBE	6	-	-	-	+	4	+	A
	TR14	2534	+	-	-	-	3	+	A
Tumours	NBAF15	6775	ND	-	-	-	2B	-	NA
	NBAF21	136	-	-	-	+	3	-	NA
	NBAF26	8259	+	-	-	-	4S	-	NA
	NBAF38	23	-	-	+	-	2A	-	NA

		<i>PHOX2B</i>							
		Affy Exp	RT- PCR	Mutation	LOH	Methylation	Stage INSS	Loss of 1p36	<i>N- MYC</i>
	NBAF39	6293	ND	-	-	-	2B	-	NA
	NBAF40	7462	ND	-	+	-	4S	-	NA
	NBAF42	7557	ND	-	-	-	4	-	NA
	NBAF43	3415	+	-	-	-	2B		
	NBAF45	7089	+	-	-	-	1	-	NA
	NBAF46	1394	+	-	-	-	2A	-	NA
	NBAF5	1053	ND	299G > T(R100L)	-	-	1	-	NA
	NBAF50	7811	ND	-	-	-	2B	-	NA
	NBAF54	5166	ND	-	+	-	4S	-	NA
	NBAF56	12059	ND	-	-	-	4S	+	NA
	NBAF59	10706	+	-	+	-	2A	-	NA
	NBAF61	10684	ND	-	+	-	4S	-	NA
	NBAF64	5349	ND	-	-	-	4	+	NA
	NB10	ND	-	-	-	+	2B	-	NA

Fig. 2. (a) RT-PCR: Demethylation of the *PHOX2B* promoter CpG islands restores expression in *PHOX2B*-negative NB cell lines, SKNBE and GIMEN. SKNBE, GIMEN and SKNSH were treated (+) or not treated (-) with 1 $\mu\text{mol/l}$ 5'-aza-2'-deoxycytidine for three days. (b) Methyl sequencing results of *PHOX2B* promoter before (1) and after treatment (2) by 5-azacytidine.

