

**Table SI. Main clinical features of 20 patients with Becker's naevus**

No.	Age/duration, years	Sex	Location	Hairiness
1	15/10	Male	Right arm	Yes
2 <sup>a</sup>	19/5	Male	Left jaw and neck	No
3	16/1	Male	Left thigh and buttock	Yes
4	14/1	Male	Left upper back	No
5 <sup>a</sup>	21/3	Male	Right neck	Yes
6 <sup>a</sup>	15/14	Male	Left and right abdomen	Yes
7 <sup>a</sup>	19/6	Male	Right shoulder and chest	Yes
8 <sup>a</sup>	17/5	Male	Left chest	Yes
9 <sup>a</sup>	17/5	Male	Left waist and buttock	Yes
10 <sup>a</sup>	16/12	Male	Right thigh	Yes
11 <sup>a</sup>	17/7	Male	Left and right waist	Yes
12 <sup>a</sup>	16/4	Male	Left scapular region	Yes
13 <sup>a</sup>	12/6	Male	Left scapular region	Yes
14	13/0.1	Male	Left forearm and right thigh	No
15	28/14	Male	Right scapular region and arm	Yes
16 <sup>a</sup>	23/5	Male	Right thigh	Yes
17 <sup>a</sup>	38/32	Male	Left thigh	Yes
18 <sup>a</sup>	25/10	Female	Right scapular region	Yes
19	23/20	Female	Right scapular region	Yes
20	17/10	Female	Right thigh	Yes

<sup>a</sup>Reverse transcription PCR (RT-PCR) and Western blot were performed on lesional and perilesional skin from these 13 cases.

**Table SII. Primer sequences, amplified fragment sizes and annealing temperatures for reverse transcription PCR (RT-PCR)**

Primers	Nucleotide sequences ( 5'→ 3')		Expected product size, bp	Annealing temperature, °C	GenBank accession number
AR	Forward	CTCCCTCCCTATCTAAC	507	52	NM-0000443.3
	Reverse	GTCACCTGCCCCTCTAAT			
ER $\alpha$	Forward	CGTGAGGATTCCCGTAGC	441	58	NM_000125.3
	Reverse	GAAAGCCAGAGGCAGAGC			
ER $\beta$	Forward	TTCTCCTTCCTCCTACAACCTGC	300	55	NM001040275.1
	Reverse	CTTGCTTCACACCAGGGACT			
PR	Forward	TACCAGTGTTCCCGTCTT	459	52	NM_000926.4
	Reverse	GTGCTGCTTTCCTGTTTA			
GADPH	Forward	CGAGATCCCTCCAAAATCAA	323	56	NM_001256799
	Reverse	GTCTTCTGGGTGGCAGTGAT			

**Table SIII. Immunostaining scores of androgen receptor (AR), oestrogen receptor (ER) $\alpha$ , ER $\beta$  and progesterone receptor (PR) in Becker's naevus and normal controls**

		Interfollicular epidermis				Hair follicles				Sebaceous glands			
		n	1+	2+	3+	n	1+	2+	3+	n	1+	2+	3+
AR	Lesion	20	1	17	2	14	2	12	0	12	0	8	4
	Perilesion	20	5	14	1	11	9	2	0**	11	1	10	0*
	Control	10	5	5	0**								
ER $\alpha$	Lesion	20	0	6	14	14	0	3	11	12	0	5	7
	Perilesion	20	1	18	1**	11	0	10	1**	11	0	6	5
	Control	10	4	6	0** $\Delta$								
ER $\beta$	Lesion	20	0	6	14	14	0	4	10	12	0	8	4
	Perilesion	20	1	14	5**	11	0	8	3*	11	0	9	2
	Control	10	3	7	0** $\Delta$								
PR	Lesion	20	0	1	19	14	0	1	13	12	0	3	9
	Perilesion	20	0	15	5**	11	3	5	3**	11	0	3	8
	Control	10	3	7	0** $\Delta\Delta$								

\* $p < 0.05$ , \*\* $p < 0.01$ , compared with lesional skin;  $\Delta p < 0.05$ ,  $\Delta\Delta p < 0.01$ , compared with perilesional skin.