

Table S2

Probe Set	Old Probe Set	pHC	Gene Symbol	Gene Name	References
1458467_at		1	1110032D16Rik	RIKEN cDNA 1110032D16 gene	Ishimatsu-Tsuji Y, Moro O et al., JID 2005
1451382_at		1	1810008K03Rik	RIKEN cDNA 1810008K03 gene	Ishimatsu-Tsuji Y, Moro O et al., JID 2005
1430296_at		1	4733401H21Rik	RIKEN cDNA 4733401H21 gene	Ishimatsu-Tsuji Y, Moro O et al., JID 2005
1420415_at		1	AY026312	cDNA sequence AY026312	Ishimatsu-Tsuji Y, Moro O et al., JID 2005
1449970_at		1	Capn12	calpain 12	Dear TN, Meier NT et al. Genomics 2000
1421001_a_at	160647_at	1	Car6	carbonic anhydrase 6	Lin KK, Chudova D et al., PNAS 2004; Ishimatsu-Tsuji
1448261_at	98140_at	0	Cdh1	cadherin 1	Muller-Rover S, Tokura Y et al. Exp Dermatol 1999
1443509_at		0.53	Cdh1	Cadherin 1	---
1426673_at	100409_at	1	Cdh3	cadherin 3	Muller-Rover S, Tokura Y et al. Exp Dermatol 1999
1441255_at		0.03	Cdh3	Cadherin 3	---
1424638_at	94881_at	1	Cdkn1a	cyclin-dependent kinase inhibitor 1A (P21)	Mitsui S, Ohuchi A et al. J Derm Sci 2001
1421679_a_at	98067_at	1	Cdkn1a	cyclin-dependent kinase inhibitor 1A (P21)	---
1418626_a_at	95286_at	1	Clu	clusterin	Seiberg M, Marthinuss J. Dev Dyn 1995
1437458_x_at		1	Clu	clusterin	---
1437689_x_at		1	Clu	clusterin	---
1454849_x_at		1	Clu	clusterin	---
1416325_at	93122_at	1	Crisp1	cysteine-rich secretory protein 1	Lin KK, Chudova D et al., PNAS 2004
1416776_at	160937_at	1	Crym	crystallin, mu	Aoki N, Ito K et al. JID 2000
1416563_at	103341_at	1	Ctsp	cytidine 5'-triphosphate synthase	Ishimatsu-Tsuji Y, Moro O et al., JID 2005
1418989_at	104696_at	1	Ctse	cathepsin E	Ishimatsu-Tsuji Y, Moro O et al., JID 2005
1427797_s_at		1	Ctse	cathepsin E	---
1423805_at	104633_at	1	Dab2	disabled homolog 2 (Drosophila)	Lin KK, Chudova D et al., PNAS 2004
1420498_a_at	98045_s_at	1	Dab2	disabled homolog 2 (Drosophila)	---
1429693_at		0.98	Dab2	disabled homolog 2 (Drosophila)	---
1430604_a_at		0	Dab2	disabled homolog 2 (Drosophila)	---
1415723_at	160265_at	0	Eif5	eukaryotic translation initiation factor 5	Ishimatsu-Tsuji Y, Moro O et al., JID 2005
1433631_at		0.98	Eif5	eukaryotic translation initiation factor 5	---
1454663_at		1	Eif5	eukaryotic translation initiation factor 5	---
1454664_a_at		1	Eif5	eukaryotic translation initiation factor 5	---
1456256_at		0.43	Eif5	eukaryotic translation initiation factor 5	---
1419555_at	103283_at	1	Eif5	E74-like factor 5	Lin KK, Chudova D et al., PNAS 2004
1419556_at		1	Eif5	E74-like factor 5	---
1435663_at		1	Esr1	estrogen receptor 1 (alpha)	Ohnemus U, Uenalan M et al. Endocrinology 2005
1457877_at		0.97	Esr1	Estrogen receptor 1 (alpha)	---
1460591_at		1	Esr1	estrogen receptor 1 (alpha)	---
1422540_at	94307_at	1	Fbln1	fibulin 1	Lin KK, Chudova D et al., PNAS 2004
1451119_a_at	94308_at	0.91	Fbln1	fibulin 1	---
1451119_a_at	94309_g_at	1	Fbln1	fibulin 1	---
1439688_at		0	Fbln1	fibulin 1	---
1423136_at		1	Fgf1	fibroblast growth factor 1	Kawano M, Komi-Kuramochi A et al. JID 2005
1450869_at		0.05	Fgf1	fibroblast growth factor 1	---
1418498_at	99893_at	0.63	Fgf13	fibroblast growth factor 13	Kawano M, Komi-Kuramochi A et al. JID 2005
1418497_at		1	Fgf13	fibroblast growth factor 13	---
1449545_at		1	Fgf18	fibroblast growth factor 18	Kawano M, Komi-Kuramochi A et al. JID 2005
1449826_a_at		0	Fgf2	fibroblast growth factor 2	Kawano M, Komi-Kuramochi A et al. JID 2005
1460296_a_at		1	Fgf22	fibroblast growth factor 22	Kawano M, Komi-Kuramochi A et al. JID 2005
1426186_a_at		1	Fgf5	fibroblast growth factor 5	Kawano M, Komi-Kuramochi A et al. JID 2005
1438883_at		1	Fgf5	fibroblast growth factor 5	---
1422243_at	99435_at	0.2	Fgf7	fibroblast growth factor 7	Kawano M, Komi-Kuramochi A et al. JID 2005
1438405_at		1	Fgf7	fibroblast growth factor 7	---
1424050_s_at	97509_f_at	1	Fgfr1	fibroblast growth factor receptor 1	Kawano M, Komi-Kuramochi A et al. JID 2005
1425911_a_at		1	Fgfr1	fibroblast growth factor receptor 1	---
1436551_at		1	Fgfr1	fibroblast growth factor receptor 1	---
1433489_s_at	93090_at	0.71	Fgfr2	fibroblast growth factor receptor 2	Kawano M, Komi-Kuramochi A et al. JID 2005
1420847_a_at	93091_s_at	0.08	Fgfr2	fibroblast growth factor receptor 2	---
1421841_at		1	Fgfr3	fibroblast growth factor receptor 3	Kawano M, Komi-Kuramochi A et al. JID 2005
1425796_a_at		1	Fgfr3	fibroblast growth factor receptor 3	---
1450508_at	92674_at	1	Foxn1	forkhead box N1	Meier N, Dear TN et al. Mech Dev 1999
1456815_at		1	Foxn1	Forkhead box N1	---
1450440_at	93872_at	0	Gfra1	glial cell line derived neurotrophic factor family	Botchkareva NV, Botchkarev VA et al. Am J Path 200
1439015_at		0.02	Gfra1	glial cell line derived neurotrophic factor family	---
1423007_a_at	92449_at	0.01	Gfra2	glial cell line derived neurotrophic factor family	Botchkareva NV, Botchkarev VA et al. Am J Path 200
1438650_x_at	100064_f_at	1	Gja1	gap junction membrane channel protein alpha	Risek B, Klier FG et al. Development 1992
1415800_at	100065_r_at	1	Gja1	gap junction membrane channel protein alpha	---
1415801_at		1	Gja1	gap junction membrane channel protein alpha	---
1437992_x_at		1	Gja1	gap junction membrane channel protein alpha	---
1438945_x_at		1	Gja1	gap junction membrane channel protein alpha	---
1438973_x_at		0.03	Gja1	gap junction membrane channel protein alpha	---
1423271_at	98423_at	1	Gjb2	gap junction membrane channel protein beta 2	Risek B, Klier FG et al. Development 1992
1423858_a_at		1	Hmgcs2	3-hydroxy-3-methylglutaryl-Coenzyme A synth	Schlake T, Beibel M et al. Gene Exp Patterns 2004
1431833_a_at		1	Hmgcs2	3-hydroxy-3-methylglutaryl-Coenzyme A synth	---
1424067_at	96752_at	1	Icam1	intercellular adhesion molecule	Muller-Rover S, Bulfone-Paus et al. J Histochem and
1421473_at	94755_at	0	Il1a	interleukin 1 alpha	Hoffmann R, Happle R et al. Eur J Derm 1998
1449399_a_at		0.02	Il1b	interleukin 1 beta	Hoffmann R, Happle R et al. Eur J Derm 1998
1448950_at	93914_at	0.01	Il1r1	interleukin 1 receptor, type I	Hoffmann R, Happle R et al. Eur J Derm 1998
1419532_at	102658_at	1	Il1r2	interleukin 1 receptor, type II	Hoffmann R, Happle R et al. Eur J Derm 1998
1457108_at		0.04	Il1r2	Interleukin 1 receptor, type II	---

Table S2 – cont.

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1450678_at	102353_at	1	Itgb2	integrin beta 2	Muller-Rover S, Buifone-Paus et al. J Histochem and
1415899_at	102362_i_at	1	Junb	Jun-B oncogene	Lin KK, Chudova D et al., PNAS 2004
1415899_at	102363_r_at	1	Junb	Jun-B oncogene	---
1452514_a_at	99956_at	1	Kit	kit oncogene	Peters EMJ, Maurer M et al. JID 2003
1415900_a_at		1	Kit	kit oncogene	---
1459588_at		0	Kit	Kit oncogene	---
1415855_at	99577_at	1	Kitl	kit ligand	Peters EMJ, Maurer M et al. JID 2003
1415854_at		0.12	Kitl	kit ligand	---
1426152_a_at		0.94	Kitl	kit ligand	---
1440621_at		0.72	Kitl	Kit ligand	---
1448117_at		0.73	Kitl	kit ligand	---
1427179_at	97814_at	1	Krt1-3	keratin complex 1, acidic, gene 3	Meier N, Dear TN et al. Mech Dev 1999
1448457_at	101569_at	1	Krt2-6g	keratin complex 2, basic, gene 6g	Porter Rm, Corden LD et al. British J Derm 2001
1452957_at	97469_at	1	Krtap3-3	keratin associated protein 3-3	Ishimatsu-Tsuji Y, Moro O et al., JID 2005
1450539_at	93710_at	1	Krtap5-1	keratin associated protein 5-1	Wood L, Mills M et al. JBC 1990
1450540_x_at		1	Krtap5-1	keratin associated protein 5-1	---
1422958_at	92240_at	1	Krtap5-4	keratin associated protein 5-4	Wood L, Mills M et al. JBC 1990
1451859_at	101374_at	1	Krtap6-1	keratin associated protein 6-1	Aoki N, Ito K et al. JBC 1997
1420751_at	101375_at	1	Krtap6-1	keratin associated protein 6-1	---
1425872_at	101376_at	1	Krtap6-1	keratin associated protein 6-1	---
1449919_at	92253_at	1	Krtap6-2	keratin associated protein 6-2	Aoki N, Ito K et al. JBC 1997
1427842_at	100735_at	1	Krtap6-3	keratin associated protein 6-3	Aoki N, Ito K et al. JBC 1997
1452575_at		1	Krtap6-3	keratin associated protein 6-3	---
1427211_at	102793_at	1	Krtap8-1	keratin associated protein 8-1	Aoki N, Ito K et al. JBC 1997
1421689_at	97152_at	1	Krtap8-2	keratin associated protein 8-2	Aoki N, Ito K et al. JBC 1997
1419707_at	92246_at	1	Krtap14	keratin associated protein 14	Aoki N, Ito K et al. JID 1998; Kuhn F, Lassing C et al.
1419507_at		1	Krtap15	keratin associated protein 15	Kuhn F, Lassing C et al. Mech Dev 1999
1422069_at	101161_at	1	Mc1r	melanocortin 1 receptor	Ermak G & Slominski A. JID 1997
1417234_at	100016_at	0.95	Mmp11	matrix metalloproteinase 11	Ishimatsu-Tsuji Y, Moro O et al., JID 2005
1419675_at		0.75	Ngfb	nerve growth factor, beta	Peters EM, Hendrix S et al. J Histochem Cytochem 2C
1417155_at	103048_at	1	Nmyc1	neuroblastoma myc-related oncogene 1	Lin KK, Chudova D et al., PNAS 2004
1425922_a_at		1	Nmyc1	neuroblastoma myc-related oncogene 1	---
1434802_s_at		0.99	Ntf3	neurotrophin 3	Botchkarev VA, Welker P et al. Am J Path 1998
1450803_at		0.09	Ntf3	neurotrophin 3	---
1440353_at		0.37	Ntf5	neurotrophin 5	Botchkarev VA, Botchkareva NV et al. FASEB J 1999
1420838_at		0.02	Ntrk2	neurotrophic tyrosine kinase, receptor, type 2	Botchkarev VA, Botchkareva NV et al. FASEB J 1999
1435196_at		0.79	Ntrk2	neurotrophic tyrosine kinase, receptor, type 2	---
1422329_a_at		0	Ntrk3	neurotrophic tyrosine kinase, receptor, type 3	Botchkarev VA, Welker P et al. Am J Path 1998
1425071_s_at		0.03	Ntrk3	neurotrophic tyrosine kinase, receptor, type 3	---
1426003_at		0	Ntrk3	neurotrophic tyrosine kinase, receptor, type 3	---
1433825_at		0.87	Ntrk3	RIKEN cDNA E430016F16 gene	---
1417575_at		1	Otub2	OTU domain, ubiquitin aldehyde binding 2	Schlake T, Beibel M et al. Gene Exp Patterns 2004
1417576_a_at		1	Otub2	OTU domain, ubiquitin aldehyde binding 2	---
1418883_a_at	100720_at	1	Pabpc1	poly A binding protein, cytoplasmic 1	Ishimatsu-Tsuji Y, Moro O et al., JID 2005
1453840_at		0.99	Pabpc1	poly A binding protein, cytoplasmic 1	---
1427562_a_at		0.97	Prkca	protein kinase C, alpha	Li LF, Chang BD et al. J Dermatol 1999
1450945_at		1	Prkca	protein kinase C, alpha	---
1448556_at	95030_at	1	Prlr	prolactin receptor	Foitzik K, Krause K et al. Am J Pathology 2003
1425853_s_at		1	Prlr	prolactin receptor	---
1420467_at		1	Psors1c2	psoriasis susceptibility 1 candidate 2 (human)	Schlake T, Beibel M et al. Gene Exp Patterns 2004
1422324_a_at	104262_at	1	Pthlh	parathyroid hormone-like peptide	Cho YM, Woodard GL et al. JID 2003
1427527_a_at		1	Pthlh	parathyroid hormone-like peptide	---
1417092_at	98482_at	1	Pthr1	parathyroid hormone receptor 1	Cho YM, Woodard GL et al. JID 2003
1421856_at	101051_at	1	S100a3	S100 calcium binding protein A3	Kizawa K, Tsuchimoto S et al. JID 1998
1421856_at	101052_g_at	1	S100a3	S100 calcium binding protein A3	---
1421375_a_at	92770_at	1	S100a6	S100 calcium binding protein A6 (calcylin)	Wood L, Carter D et al. JID 1991
1415964_at	94056_at	1	Scd1	stearoyl-Coenzyme A desaturase 1	Zheng Y, Eilertsen KJ et al. Nat Genet 1999
1415964_at	94057_g_at	1	Scd1	stearoyl-Coenzyme A desaturase 1	---
1415965_at		0.94	Scd1	stearoyl-Coenzyme A desaturase 1	---
1415822_at	95758_at	1	Scd2	stearoyl-Coenzyme A desaturase 2	Zheng Y, Eilertsen KJ et al. Nat Genet 1999
1415823_at		1	Scd2	stearoyl-Coenzyme A desaturase 2	---
1415824_at		1	Scd2	stearoyl-Coenzyme A desaturase 2	---
1423366_at		0.99	Scd3	stearoyl-coenzyme A desaturase 3	Zheng Y, Prouty SM et al. Genomics 2001
1450956_at		1	Scd3	stearoyl-coenzyme A desaturase 3	---
1418460_at	103755_at	0	Sh3d19	SH3 domain protein D19	Shimomura Y, Aoki N et al. J Derm Sci 2003
1418461_at		0	Sh3d19	SH3 domain protein D19	---
1445781_at		0.01	Sh3d19	SH3 domain protein D19	---
1449084_s_at		0	Sh3d19	SH3 domain protein D19	---
1449579_at	103813_at	1	Sh3yl1	Sh3 domain YSC-like 1	Aoki N, Ito K et al. JID 2000
1420653_at		0.51	Tgfb1	transforming growth factor, beta 1	Welker P, Foitzik K et al. Arch Dermatol Res 1997
1417455_at	102751_at	1	Tgfb3	transforming growth factor, beta 3	Welker P, Foitzik K et al. Arch Dermatol Res 1997
1425444_a_at		0.3	Tgfb2	transforming growth factor, beta receptor II	Paus R, Foitzik K et al. JID 1997
1426397_at		1	Tgfb2	transforming growth factor, beta receptor II	---
1443115_at		0.26	Tgfb2	Transforming growth factor, beta receptor II	---
1421811_at	160469_at	1	Thbs1	thrombospondin 1	Schlake T, Beibel M et al. Gene Exp Patterns 2004
1450377_at		1	Thbs1	thrombospondin 1	---
1460302_at		1	Thbs1	thrombospondin 1	---
1448821_at	102666_at	1	Tyr	tyrosinase	Ermak G & Slominski A. JID 1997
1417717_a_at		1	Tyr	tyrosinase	---
1450772_at	103490_at	1	Wnt11	wingless-related MMTV integration site 11	Lin KK, Chudova D et al., PNAS 2004