

Since this is a very extensive table, the format and content has not been edited by ActaDV.

Table SII. The gene expression signature of the dermal papilla (DP)

GeneName	GeneSymbol	ProbeID	Ratio of DP/DSC			
			ID1*	ID2	ID3	Average
A kinase (PRKA) anchor protein 7	AKAP7	A_23_P259594	2.3	2.0	4.0	2.8
ALX homeobox 4	ALX4	A_33_P3273068	2.2	2.4	3.8	2.8
angiopoietin 2	ANGPT2	A_23_P60079	2.2	2.1	5.6	3.3
angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	AGT	A_23_P115261	3.7	3.0	7.0	4.6
bone marrow stromal cell antigen 2	BST2	A_33_P3220911	1.9	3.1	4.7	3.2
bone morphogenetic protein 5	BMP5	A_23_P19723	5.0	6.8	14.8	8.9
carbonic anhydrase VIII	CA8	A_23_P83838	2.2	2.1	2.2	2.2
carboxypeptidase E	CPE	A_23_P259442	1.9	1.7	3.8	2.5
cell cycle exit and neuronal differentiation 1	CEND1	A_33_P3323945	2.9	1.8	8.9	4.5
cellular retinoic acid binding protein 1	CRABP1	A_33_P3326483	6.6	6.2	15.7	9.5
chemokine (C-C motif) receptor 1	CCR1	A_24_P148717	3.1	2.5	8.0	4.5
chemokine (C-X-C motif) receptor 3	CXCR3	A_33_P3389230	1.8	1.6	2.5	2.0
chondrolectin	CHODL	A_23_P68669	4.3	9.6	63.0	25.6
CHRNA7 (cholinergic receptor, nicotinic, alpha 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion	CHRFAM7A	A_33_P3719083	1.6	1.8	2.7	2.0
chromosome 1 open reading frame 54	C1orf54	A_23_P74778	1.8	2.0	3.6	2.5
chromosome 2 open reading frame 82	C2orf82	A_33_P3242174	2.8	1.8	7.4	4.0
claudin 10	CLDN10	A_33_P3410806	2.0	2.0	4.6	2.9
coiled-coil domain containing 151	CCDC151	A_23_P326893	3.6	1.8	9.3	4.9
collagen, type XXIII, alpha 1	COL23A1	A_23_P387031	3.7	2.3	9.0	5.0
crystallin, mu	CRYM	A_23_P77731	3.4	2.2	12.7	6.1
cystathionine gamma-lyase	CTH	A_23_P126103	1.5	2.4	4.3	2.7
cystathionine-beta-synthase	CBS	A_23_P166306	2.3	1.6	6.3	3.4
cystatin A (stefin A)	CSTA	A_23_P41114	1.8	2.1	3.6	2.5
deafness, autosomal dominant 5	DFNA5	A_33_P3221293	1.8	1.8	2.7	2.1
dehydrogenase/reductase (SDR family) member 3	DHRS3	A_23_P33759	2.2	1.8	3.9	2.6
deiodinase, iodothyronine, type II	DIO2	A_23_P48740	3.0	1.9	2.2	2.4
deiodinase, iodothyronine, type III	DIO3	A_23_P105923	6.7	10.1	33.9	16.9
dipeptidyl-peptidase 6	DPP6	A_23_P170888	2.7	2.0	9.2	4.6
dishevelled-binding antagonist of beta-catenin 2	DACT2	A_24_P289260	1.6	1.6	1.7	1.6
EMX2 opposite strand/antisense RNA	EMX2OS	A_24_P892472	1.7	1.6	3.8	2.4
endothelin 3	EDN3	A_23_P17438	6.8	7.9	22.5	12.4
ependymin related 1	EPDR1	A_24_P166613	2.1	1.7	3.3	2.4
family with sequence similarity 228, member B	FAM228B	A_19_P00813077	1.7	1.5	3.1	2.1
fibroblast growth factor 1 (acidic)	FGF1	A_23_P213336	2.0	3.8	8.2	4.7
folate hydrolase (prostate-specific membrane antigen) 1	FOLH1	A_23_P47616	7.4	3.4	12.5	7.8
folate hydrolase 1B	FOLH1B	A_32_P157391	7.5	4.0	11.7	7.7
forkhead box Q1	FOXQ1	A_32_P164246	1.9	2.3	2.1	2.1
G protein-coupled receptor 162	GPR162	A_33_P3243439	2.5	3.1	9.3	5.0
gamma-aminobutyric acid (GABA) A receptor, alpha 3	GABRA3	A_23_P125618	2.5	3.4	6.3	4.1
glutamate receptor, ionotropic, kainate 1	GRIK1	A_23_P109286	3.9	3.8	3.7	3.8
growth differentiation factor 10	GDF10	A_23_P52227	2.4	1.7	11.1	5.1
GTP cyclohydrolase I feedback regulator	GCHFR	A_23_P77328	1.8	2.0	3.6	2.5
hedgehog interacting protein	HHIP	A_23_P167129	2.6	1.7	2.5	2.2
HHIP-like 1	HHIPL1	A_33_P3271657	1.5	1.9	2.3	1.9
homeobox A10	HOXA10	A_33_P3288649	5.2	6.2	1.8	4.4
hydroxysteroid (11-beta) dehydrogenase 1	HSD11B1	A_23_P63209	1.9	1.8	2.8	2.2
insulin-like growth factor binding protein 3	IGFBP3	A_23_P215634	3.2	2.6	5.2	3.7
junctophilin 4	JPH4	A_33_P3219279	3.5	2.5	5.4	3.8
KIAA1024	KIAA1024	A_33_P3421490	1.7	1.7	2.6	2.0
KN motif and ankyrin repeat domains 4	KANK4	A_33_P3260530	2.0	2.5	3.8	2.8

lactate dehydrogenase D	LDHD	A_23_P54918	2.7	2.7	6.6	4.0
leucine rich repeat containing 36	LRRC36	A_23_P118042	2.4	3.5	11.1	5.7
LINE-1 type transposase domain containing 1	L1TD1	A_23_P137484	2.1	1.6	2.8	2.2
lipoprotein lipase	LPL	A_23_P146233	1.6	2.5	8.2	4.1
LY6/PLAUR domain containing 1	LYPD1	A_32_P101031	3.0	4.0	29.6	12.2
mal, T-cell differentiation protein	MAL	A_23_P17134	1.8	3.1	8.5	4.5
matrix Gla protein	MGP	A_33_P3361636	2.7	1.6	3.6	2.6
matrix metalloproteinase 1 (interstitial collagenase)	MMP1	A_23_P1691	1.8	5.4	3.1	3.5
metallothionein 1F	MT1F	A_23_P15174	1.6	1.7	2.6	2.0
MOB kinase activator 1B	MOB1B	A_33_P3347622	2.8	5.1	2.0	3.3
NADPH oxidase, EF-hand calcium binding domain 5	NOX5	A_23_P140475	1.7	1.6	2.1	1.8
neuregulin 2	NRG2	A_23_P213699	1.5	3.0	10.8	5.1
neuron-derived neurotrophic factor	NDNF	A_23_P110266	6.0	2.1	7.6	5.2
neurotrophic tyrosine kinase, receptor, type 3	NTRK3	A_33_P3322814	2.5	4.8	6.5	4.6
NFAT activating protein with ITAM motif 1	NFAM1	A_33_P3292769	1.6	1.6	5.7	3.0
NR2F1 antisense RNA 1	NR2F1-AS1	A_32_P118847	3.8	2.5	4.4	3.6
nuclear receptor subfamily 2, group F, member 1	NR2F1	A_33_P3403117	2.4	2.0	5.6	3.3
obscurin-like 1	OBSL1	A_33_P3241428	1.6	1.5	4.7	2.6
ovostatin 2	OVOS2	A_23_P25069	2.4	2.3	7.6	4.1
paired box 1	PAX1	A_33_P3381378	3.4	2.5	6.5	4.1
phosphatase and actin regulator 4	PHACTR4	A_33_P3321611	1.5	1.7	3.3	2.2
prolyl 3-hydroxylase 2	P3H2	A_23_P69179	2.1	2.0	3.8	2.6
prostaglandin D2 synthase 21kDa (brain)	PTGDS	A_33_P3298159	3.1	2.5	4.5	3.4
regulator of G-protein signaling 2	RGS2	A_23_P114947	3.1	2.3	8.6	4.7
retinoic acid receptor responder (tazarotene induced) 1	RARRES1	A_23_P18078	1.9	1.9	6.2	3.3
ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	RNASE2	A_23_P151637	10.1	2.6	18.4	10.4
ring finger protein 112	RNF112	A_23_P107116	1.5	1.6	3.1	2.1
R-spondin 3	RSPO3	A_24_P106542	4.2	3.9	7.4	5.1
R-spondin 4	RSPO4	A_33_P3251552	6.3	11.1	34.8	17.4
S100 calcium binding protein A8	S100A8	A_23_P434809	4.6	2.8	7.7	5.0
S100 calcium binding protein B	S100B	A_23_P143526	7.2	9.3	44.3	20.3
sarcosine dehydrogenase	SARDH	A_33_P3257861	1.5	2.1	1.9	1.8
scavenger receptor class A, member 5	SCARA5	A_23_P94103	3.6	3.1	9.4	5.4
scavenger receptor class F, member 2	SCARF2	A_24_P108738	2.1	5.9	1.6	3.2
sclerostin domain containing 1	SOSTDC1	A_23_P145841	2.7	1.9	5.9	3.5
secreted frizzled-related protein 1	SFRP1	A_23_P10121	2.3	2.8	5.2	3.5
secreted frizzled-related protein 2	SFRP2	A_23_P81103	3.3	1.8	8.5	4.5
serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	SERPINE2	A_23_P50919	2.4	1.8	4.9	3.0
SH3 and cysteine rich domain 2	STAC2	A_32_P152195	2.2	2.4	16.8	7.1
short stature homeobox 2	SHOX2	A_33_P3221859	1.9	1.6	1.7	1.7
single-minded family bHLH transcription factor 1	SIM1	A_23_P214743	3.9	4.2	23.4	10.5
small integral membrane protein 1 (Vel blood group)	SMIM1	A_33_P3394868	2.0	2.0	2.8	2.2
solute carrier family 16, member 2 (thyroid hormone transporter)	SLC16A2	A_23_P137097	2.2	1.5	4.5	2.8
solute carrier family 16, member 4	SLC16A4	A_33_P3227920	1.8	3.0	2.7	2.5
somatostatin	SST	A_23_P252817	8.2	3.1	168.3	59.9
sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 2	SPOCK2	A_33_P3214948	2.1	1.9	3.2	2.4
spondin 1, extracellular matrix protein	SPON1	A_32_P133072	1.6	1.8	3.3	2.2
ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	ST6GALNAC5	A_23_P33093	3.4	2.1	11.0	5.5
ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1	ST8SIA1	A_23_P354705	1.9	1.9	5.3	3.1
steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)	SRD5A2	A_23_P28186	2.4	1.6	2.8	2.3
stimulated by retinoic acid 6	STRA6	A_33_P3307495	1.9	2.6	2.8	2.4
synaptosomal-associated protein, 91kDa	SNAP91	A_33_P3316118	2.9	3.2	7.0	4.4
tachykinin 3	TAC3	A_23_P2283	11.9	16.4	38.2	22.2
toll-like receptor 2	TLR2	A_23_P92499	1.8	1.5	4.0	2.4

transcription elongation factor A (SII)-like 2	TCEAL2	A_23_P85140	2.1	1.9	3.3	2.4
transforming growth factor, beta-induced, 68kDa	TGFBI	A_23_P156327	1.9	2.1	8.8	4.3
transmembrane protein 100	TMEM100	A_23_P15450	2.1	1.9	6.7	3.6
tripartite motif containing 49D1	TRIM49D1	A_33_P3374970	10.1	2.9	11.6	8.2
tripartite motif containing 9	TRIM9	A_33_P3383836	1.7	1.8	1.5	1.7
tumor necrosis factor, alpha-induced protein 6	TNFAIP6	A_23_P165624	2.0	2.1	2.2	2.1
vitrin	VIT	A_33_P3300267	1.6	2.3	8.2	4.0
WD repeat domain 86	WDR86	A_33_P3341601	2.1	1.6	2.5	2.1
WNT inhibitory factor 1	WIF1	A_32_P216520	2.2	6.4	8.8	5.8

*ID: Individual