

R.P. Hobbs et al.

Keratin 17 regulates Aire to promote skin tumorigenesis

Supplementary Table 1. Summary of "Inflammatory Cytokine and Receptors" array

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	HPV16 <sup>tg/+</sup> ;Krt17 <sup>-/-</sup> vs. HPV16 <sup>tg</sup>
Cxcl11	2.29	-2.93
Ccr8	1.97	-2.58
Il13	2.50	-2.48
Ccl4	18.25	-2.18
Ccl22	2.26	-2.12
Il8rb	5.52	-1.99
Ccl3	9.55	-1.80
Xcr1	2.64	-1.79
Ccr2	2.55	-1.73
Ccl1	3.71	-1.72
Ccr7	5.36	-1.70
Il2rg	1.67	-1.66
Ccr5	6.88	-1.64
Ccl5	4.98	-1.56
Ifng	4.93	-1.39
Ccr1	9.46	-1.37
Ccl8	21.63	-1.31
Cxcl5	91.43	-1.27
Tnf	1.61	-1.21
Il5ra	4.39	-1.19
Itgam	1.96	-1.12
Il10	5.95	-1.12

HPV16<sup>tg</sup>-induced, Krt17-dependent

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	HPV16 <sup>tg/+</sup> ;Krt17 <sup>-/-</sup> vs. HPV16 <sup>tg</sup>
Cxcl10	250.64	4.31
Il1b	90.08	0.15
Ccl20	37.46	0.34
Cxcl1	32.49	0.13
Il1f6	28.14	0.31
Cxcl9	27.57	1.80
Cxcl13	14.17	1.51
Ccl17	13.26	1.11
Ccl12	10.78	0.29
Ccl7	8.83	1.32
Ccl19	8.31	0.15
Il1a	8.17	0.34
Il4	6.42	1.03
Casp1	4.40	0.47
Il1f8	4.32	1.18
Cd40lg	4.11	-0.23
Itgb2	3.73	0.12
Spp1	3.25	-0.01
Il20	3.06	-0.24
Hprt1	2.97	1.67
Ccl2	2.69	1.20
Ccr6	2.46	0.03
Cxcr3	2.44	0.01
Ccl11	2.38	-0.03
Il3	2.21	0.11
Ccr3	2.20	-0.13
Cxcl15	2.19	0.29
Scye1	2.05	1.64
Il6st	2.00	-0.67
Ccl9	1.75	0.01
Il18	1.74	1.17
Ccl25	1.71	1.90
Ccl6	1.67	-0.12

HPV16<sup>tg</sup>-induced, Krt17-independent

Target	HPV16 <sup>tg/+</sup> vs. Wildtype
Hsp90a	1.41
Lta	1.31
Tnfrsf1b	1.05
Cxcl12	0.00
Il13ra1	-1.11
Mif	-1.13
C3	-1.15
Cxcr5	-1.18
Il1r1	-1.21
Il10rb	-1.21
Abcf1	-1.21
Ltb	-1.22
Gapdh	-1.23
Il2rb	-1.27
Il1r2	-1.43
Gusb	-1.44
Il17b	-1.50
Ccr4	-1.50
Il11	-1.51
Crp	-1.70
Il10ra	-1.81
Il15	-1.85
Cx3cl1	-1.89
Ccr9	-1.91
Pf4	-2.08
Tollip	-2.13
Tgfb1	-2.21
Actb	-2.37
Il6ra	-2.38
Ccl24	-2.61
Tnfrsf1a	-2.98
Ccr10	-3.10
Bcl6	-3.45
Il16	-4.58

Not induced by HPV16<sup>tg</sup>

R.P. Hobbs et al.

Keratin 17 regulates Aire to promote skin tumorigenesis

Supplementary Table 2. Summary of "NfκB Signaling Pathway" array

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	HPV16 <sup>tg/+</sup> ;Krt17 <sup>-/-</sup> vs. HPV16 <sup>tg</sup>	HPV16 <sup>tg</sup> -induced, Krt17-dependent
Il6	6.20	-1.73	
Gja1	3.14	-1.59	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	HPV16 <sup>tg/+</sup> ;Krt17 <sup>-/-</sup> vs. HPV16 <sup>tg</sup>	HPV16 <sup>tg</sup> -induced, Krt17-independent
Il1b	13.67	1.33	
Csf2	13.44	1.17	
Il1a	5.02	1.03	
Bcl3	4.78	1.77	
Il10	3.66	1.07	
Ifng	3.45	1.23	
Gapdh	1.83	1.04	
Casp1	1.75	1.37	
Stat1	1.74	-1.09	
Tnfsf14	1.56	-1.45	
Nlrp12	1.53	3.60	
Cd40	1.53	-1.32	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	Not induced by HPV16 <sup>tg</sup>
Fasl	1.49	
Csf3	1.47	
Hprt1	1.38	
Myd88	1.34	
Fadd	1.33	
Tlr1	1.31	
Tnfsf10	1.15	
Slc20a1	1.09	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	Not induced by HPV16 <sup>tg</sup>
Tnfrsf1a	1.09	
Ltbr	1.08	
Nfkb1	1.03	
Tnf	-1.01	
Irf1	-1.04	
Traf3	-1.10	
Rela	-1.10	
Akt1	-1.11	
Hsp90ab1	-1.15	
Rel	-1.16	
Tnfrsf1b	-1.18	
Icam1	-1.22	
Zap70	-1.24	
Bcl10	-1.27	
Nod1	-1.27	
Eif2ak2	-1.28	
Nfkbia	-1.28	
Tbk1	-1.29	
Tnfaip3	-1.30	
Atf1	-1.31	
Mapk3	-1.34	
Cflar	-1.37	
Tradd	-1.39	
Egr1	-1.41	
Jun	-1.42	
Nfkb2	-1.43	
Tlr6	-1.44	
C3	-1.44	
Actb	-1.44	
Cd27	-1.45	
Tlr9	-1.49	
Irak2	-1.50	
Ccl2	-1.52	
Gusb	-1.53	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	Not induced by HPV16 <sup>tg</sup>
Chuk	-1.56	
Tlr2	-1.56	
Htr2b	-1.57	
Raf1	-1.60	
Relb	-1.66	
Ikbkb	-1.70	
Traf2	-1.71	
Tlr3	-1.72	
Ikbke	-1.75	
Tollip	-1.84	
Irak1	-1.93	
Ikbkg	-1.94	
Crebbp	-1.95	
Tgfbr2	-2.05	
Ripk2	-2.06	
Ripk1	-2.07	
Tgfbr1	-2.08	
Tlr8	-2.14	
Card10	-2.21	
Kat2b	-2.29	
Tnfrsf10b	-2.30	
Casp8	-2.35	
F2r	-2.45	
Lta	-2.48	
Il1r1	-2.56	
Elk1	-2.60	
Atf2	-2.64	
Tlr7	-2.75	
Map3k1	-2.75	
Tlr4	-2.79	
Fos	-2.87	
Smad3	-4.34	
Lpar1	-5.65	

R.P. Hobbs et al.

Keratin 17 regulates Aire to promote skin tumorigenesis

Supplementary Table 3. Summary of "T<sub>h</sub>17 for Autoimmunity and Inflammation" Array

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	HPV16 <sup>tg/+</sup> ;Krt17 <sup>-/-</sup> vs. HPV16 <sup>tg</sup>	HPV16 <sup>tg</sup> -induced, Krt17-dependent
Il12rb2	2.06	-2.20	
Socs3	1.72	-2.16	
Ccl22	2.01	-1.94	
Il3	5.45	-1.86	
Il4	6.65	-1.81	
Mmp13	4.18	-1.78	
Cxcl5	11.28	-1.66	
Cxcl2	21.55	-1.65	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	HPV16 <sup>tg/+</sup> ;Krt17 <sup>-/-</sup> vs. HPV16 <sup>tg</sup>	HPV16 <sup>tg</sup> -induced, Krt17-independent
Il23a	15.16	2.05	
Csf2	15.10	1.06	
Il1b	14.45	-1.30	
Il22	11.36	-1.37	
Ccl20	9.69	1.00	
Il6	9.49	-1.12	
Il12b	7.09	-1.29	
Il17a	6.30	-1.29	
Clec7a	4.47	1.14	
Ifng	4.39	-1.47	
Icos	3.89	-1.06	
Il10	3.39	-1.17	
Cxcl1	2.83	-1.19	
Csf3	2.76	-1.45	
Cd8a	1.96	-1.07	
Il17f	1.91	1.27	
Foxp3	1.91	-1.14	
Cd40lg	1.82	1.05	
Gapdh	1.75	-1.10	
Il21	1.71	1.06	
Ccl1	1.54	1.02	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	Not induced by HPV16 <sup>tg</sup>
Hprt1	1.37	
Socs1	1.26	
Cebpb	1.25	
Il18	1.21	
Cacybp	1.16	
Cd4	1.13	
Myd88	1.11	
Syk	1.08	
Traf6	1.07	
Ccl7	1.02	
Nfkb1	1.01	
Stat3	1.01	
Hsp90ab1	-1.05	
Il17rc	-1.05	
Tnf	-1.13	
Il13	-1.15	
Il17c	-1.16	
Il23r	-1.16	
Cd2	-1.24	
Icam1	-1.28	
Il7r	-1.29	
Yy1	-1.37	
Il12rb1	-1.38	
Stat5a	-1.38	
Actb	-1.42	
Stat6	-1.50	
Tirap	-1.56	
Ccl2	-1.57	
Jak1	-1.60	
Gusb	-1.61	
Il17re	-1.63	
Jak2	-1.79	
Stat4	-1.79	
Il27	-1.83	
Tgfb1	-2.00	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	Not induced by HPV16 <sup>tg</sup>
Isg20	-2.18	
Cd247	-2.19	
Cx3cl1	-2.19	
Gata3	-2.56	
Il5	-2.59	
Mmp3	-2.73	
Cxcl12	-2.92	
Mmp9	-2.92	
Tlr4	-2.98	
Cd28	-2.98	
Il17rb	-3.22	
S1pr1	-3.30	
Cd3d	-3.36	
Nfatc2	-3.44	
Tbx21	-3.80	
Il15	-3.84	
Il6ra	-4.01	
Il17d	-4.10	
Il17rd	-4.26	
Cd34	-4.35	
Rorc	-5.24	
Cd3e	-5.77	
Cd3g	-5.87	
Il25	-6.27	
Il2	-6.89	

R.P. Hobbs et al.

Keratin 17 regulates Aire to promote skin tumorigenesis

Supplementary Table 4. Summary of "Signal Transduction PathwayFinder" array

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	HPV16 <sup>tg/+</sup> ;Krt17 <sup>-/-</sup> vs. HPV16 <sup>tg</sup>	HPV16 <sup>tg</sup> -induced, Krt17-dependent
Cdkn2a	30.60	-1.98	
Cxcl9	30.21	-1.88	
Fos	3.47	-2.63	
Ccl2	2.28	-2.29	
Selp	2.24	-1.64	
Fas	1.90	-9.39	
Il4ra	1.85	-1.81	
Tnf	1.84	-2.54	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	HPV16 <sup>tg/+</sup> ;Krt17 <sup>-/-</sup> vs. HPV16 <sup>tg</sup>	HPV16 <sup>tg</sup> -induced, Krt17-independent
Csf2	17.93	1.26	
Fasl	11.71	1.04	
Ccl20	8.59	1.57	
Cxcl1	6.73	1.64	
Il1a	6.70	-1.44	
Il2ra	4.66	1.07	
Ptgs2	3.30	-1.11	
Birc5	2.59	1.80	
Cd5	2.14	1.07	
Cebpb	1.96	1.17	
Egr1	1.94	1.01	
Sele	1.80	-1.20	
Hk2	1.77	1.37	
Tank	1.59	1.29	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	Not induced by HPV16 <sup>tg</sup>
Rbp1	1.56	
Brca1	1.48	
Hprt1	1.47	
Hsp90ab1	1.39	
Cdk2	1.39	
Birc3	1.35	
Mmp10	1.34	
Mmp7	1.33	
Tfrc	1.20	
Vcam1	1.18	
Myc	1.14	
Greb1	1.14	
Igfbp4	1.11	
Tcf7	1.10	
Wisp1	1.10	
Gapdh	1.10	
Gadd45a	1.03	
Nos2	1.02	
En1	-1.03	
Atf2	-1.08	
Il2	-1.14	
Irf1	-1.30	
Trp53	-1.33	
Actb	-1.33	
Foxa2	-1.35	
Nfkbia	-1.38	
Cdkn2b	-1.44	
Odc1	-1.45	
Cdkn1a	-1.47	
Nrip1	-1.55	
Mdm2	-1.64	
Jun	-1.68	
Gusb	-1.69	
Cyp19a1	-1.89	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	Not induced by HPV16 <sup>tg</sup>
Cdh1	-1.91	
Icam1	-1.96	
Vegfa	-2.07	
Pparg	-2.14	
Lta	-2.19	
Hhip	-2.22	
Wnt1	-2.26	
Fasn	-2.33	
Naip1	-2.54	
Birc2	-2.64	
Ikbkb	-2.85	
Bax	-2.91	
Nab2	-2.92	
Hsf1	-3.01	
Tert	-3.25	
Ei24	-3.28	
Cdkn1b	-3.38	
Ccnd1	-3.43	
Lef1	-3.52	
Bmp4	-3.54	
Hoxa1	-3.99	
Wnt2	-4.31	
Ptch1	-4.67	
Hspb1	-4.68	
Pmepa1	-5.07	
Fn1	-5.16	
Bmp2	-5.66	
Fgf4	-5.78	
Igfbp3	-5.93	
Gys1	-6.26	
Bcl2l1	-7.94	
Bcl2	-10.67	
Lep	-17.92	

R.P. Hobbs et al.

Keratin 17 regulates Aire to promote skin tumorigenesis

Supplementary Table 5. Summary of "Innate and Adaptive Immune Response" array

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	HPV16 <sup>tg/+</sup> ;Krt17 <sup>-/-</sup> vs. HPV16 <sup>tg</sup>	HPV16 <sup>tg-</sup> induced, Krt17-dependent
Ccr3	5.30	-3.26	
Pglyrp3	4.62	-2.29	
Prg2	9.94	-2.23	
Tnf	2.11	-1.96	
Hc	1.98	-1.75	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	HPV16 <sup>tg/+</sup> ;Krt17 <sup>-/-</sup> vs. HPV16 <sup>tg</sup>	HPV16 <sup>tg-</sup> induced, Krt17-independent
Defb4	213.43	2.85	
Trem1	90.63	4.10	
Il1b	64.40	2.08	
Il6	32.35	1.13	
Il1f6	22.05	2.74	
Clec7a	19.25	-1.37	
Il1f5	16.15	2.45	
Ifnb1	9.70	-1.25	
Tlr1	8.85	1.27	
Il10	8.68	-1.18	
Il1a	6.48	2.42	
Cd14	4.56	1.04	
Il1f9	4.32	1.86	
Casp1	4.26	3.04	
Casp4	4.23	1.54	
Il1f8	3.96	1.04	
Ccl2	3.60	-1.30	
Lyz1	3.41	2.30	
Hprt	2.56	3.96	
Il1rn	2.46	2.31	
Ly96	2.13	1.71	
Hsp90ab1	1.78	2.06	
Chuk	1.63	3.79	
Dmbt1	1.59	N/A	
Proc	1.59	N/A	
Sftpd	1.59	2.28	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	Not induced by HPV16 <sup>tg</sup>
C8a	1.47	
Tlr3	1.40	
Il12rb2	1.37	
Pglyrp1	1.34	
Irak1	1.24	
Ltf	1.05	
Ptafr	1.03	
Nfkb1	-1.00	
Ppbp	-1.01	
Cxcr4	-1.02	
Ncf4	-1.02	
Serpina1a	-1.04	
Tlr8	-1.05	
Irf1	-1.07	
Gusb	-1.11	
Il1r1	-1.15	
Cybb	-1.16	
Nfkbia	-1.25	
Cd55	-1.36	
Mif	-1.39	
Mapk14	-1.48	
Tlr4	-1.52	
Gapdh	-1.57	
Serpine1	-1.57	
Nlrc4	-1.68	
Il1r2	-1.71	
Tlr6	-1.78	
Nfkb2	-1.93	
Irak2	-1.94	
Tlr9	-2.01	
Lbp	-2.11	
Tollip	-2.16	
Il1rap	-2.16	
Tlr2	-2.18	

Target	HPV16 <sup>tg/+</sup> vs. Wildtype	Not induced by HPV16 <sup>tg</sup>
Mapk8	-2.22	
Cfp	-2.25	
Pglyrp2	-2.26	
Tgfb1	-2.43	
Actb	-2.62	
Nos2	-2.70	
Traf6	-2.82	
Crp	-3.24	
Adora2a	-3.32	
Hmox1	-3.57	
Lalba	-3.62	
Colec12	-3.79	
Ikbbk	-3.83	
Tnfrsf1a	-4.14	
Ifngr1	-4.43	
Ifngr2	-4.74	
Camp	-4.91	
Cd1d1	-5.21	
Il1f10	-5.26	
Myd88	-5.56	
Stab1	-6.03	
Fn1	-6.44	
Il1rapl2	N/A	
Il1rl2	N/A	

R.P. Hobbs et al.

**Keratin 17 regulates Aire to promote skin tumorigenesis**

**Supplementary Table 6. List of qRT-PCR target genes and primers sets**

MOUSE			HUMAN		
Target	Primer	Sequence (5'-->3')	Target	Primer	Sequence (5'-->3')
<i>Actb</i>	Forward	GGCTGTATTCCCCTCCATCG	<i>ACTB</i>	Forward	CATGTACGTTGCTATCCAGGC
<i>Actb</i>	Reverse	CCAGTTGGTAAACAATGCCATGT	<i>ACTB</i>	Reverse	CTCCTTAATGTACGCACGAT
<i>Aire</i>	Forward	AGGTCAGCTTCAGAGAAAACCA	<i>AIRE</i>	Forward	CCAGGCTCTCAACTGAAGGC
<i>Aire</i>	Reverse	TCATTCCCAGCACTCAGTAGA	<i>AIRE</i>	Reverse	GAATCCCGTCCCAGTGG
<i>Anxa2</i>	Forward	TGCTCTGAACATTGAGACAGC	<i>ANXA2</i>	Forward	GAGCGGGATGCTTTGAACATT
<i>Anxa2</i>	Reverse	AATAGGCCCAAATCACCGTC	<i>ANXA2</i>	Reverse	TAGGCGAAGGCAATATCCTGT
<i>Axin2</i>	Forward	ATGAGTAGCGCCGTGTTAGTG	<i>AXIN2</i>	Forward	CAACACCAGGCGGAACGAA
<i>Axin2</i>	Reverse	GGCATAGGTTTGGTGGACT	<i>AXIN2</i>	Reverse	GCCAATAAGGAGTGTAAAGGACT
<i>Ccl19</i>	Forward	CCTGGGAACATCGTGAAAGC	<i>CCL19</i>	Forward	TACATCGTGAGGAACTTCCACT
<i>Ccl19</i>	Reverse	TAGTGTGGTGAACACAACAGC	<i>CCL19</i>	Reverse	CTGGATGATGCGTTCTACCCA
<i>Ccl2</i>	Forward	TTAAAACTGGATCGGAACCAA	<i>CCL2</i>	Forward	CAGCCAGATGCAATCAATGCC
<i>Ccl2</i>	Reverse	GCATTAGCTTCAGATTTACGGGT	<i>CCL2</i>	Reverse	TGGAATCCTGAACCCACTTCT
<i>Ccl22</i>	Forward	AAGCCTGGCGTTGTTTTGATA	<i>CCL22</i>	Forward	ATCGCCTACAGACTGCCTC
<i>Ccl22</i>	Reverse	CCTGGGATCGGCACAGATA	<i>CCL22</i>	Reverse	GACGGTAACGGACGTAATCAC
<i>Ccl25</i>	Forward	GAGGGCGATGAGAATCTTGAC	<i>CCL25</i>	Forward	CACCACAACACGCAGACCTT
<i>Ccl25</i>	Reverse	TCCTCACGCTTGTACTGTTGG	<i>CCL25</i>	Reverse	TGCTGATGGGATTGCTAAACTT
<i>Ccl5</i>	Forward	GCTGCTTTGCCACCTCTCC	<i>CCL5</i>	Forward	TCCAACCCAGCAGTCGTCT
<i>Ccl5</i>	Reverse	TCGAGTGACAAACACGACTGC	<i>CCL5</i>	Reverse	TTGGCGGTTCTTTCGGGTG
<i>Ccr4</i>	Forward	TGCACCAAGGAAGGTATCAAGG	<i>CCR4</i>	Forward	AGAAGGCATCAAGGCATTGG
<i>Ccr4</i>	Reverse	GTACACGTCCGTCATGGACTT	<i>CCR4</i>	Reverse	ACACATCAGTCATGGACCTGAG
<i>Ccr7</i>	Forward	GTACGAGTCGGTGTGCTTCAA	<i>CCR7</i>	Forward	TGAGGTCACGGACGATTACAT
<i>Ccr7</i>	Reverse	GGTAGGTATCCGTCATGGTCT	<i>CCR7</i>	Reverse	GTAGGCCACGAAACAAATGAT
<i>Cd40</i>	Forward	TTGTTGACAGCGGTCCATCTA	<i>CD40</i>	Forward	CACCTGGAACAGAGAGACACA
<i>Cd40</i>	Reverse	CCATCGTGGAGGTAAGTGTG	<i>CD40</i>	Reverse	CCTCACTCGTACAGTGCCA
<i>Cflar</i>	Forward	GCTCCAGAATGGGCGAAGTAA	<i>CFLAR</i>	Forward	TGCTCTTTTGTGCCGGGAT
<i>Cflar</i>	Reverse	ACGGATGTGCGGAGGTAATAA	<i>CFLAR</i>	Reverse	CGACAGACAGCTTACCTCTTTC
<i>Cxcl10</i>	Forward	CCAAGTGCTGCCGTCATTTTC	<i>CXCL10</i>	Forward	GTGGCATTCAAGGAGTACCTC
<i>Cxcl10</i>	Reverse	GGCTCGCAGGGATGATTTCAA	<i>CXCL10</i>	Reverse	TGATGGCCTTCGATTCTGGATT
<i>Cxcl11</i>	Forward	GGCTTCCTTATGTTCAAACAGGG	<i>CXCL11</i>	Forward	GACGCTGTCTTTCATAGGC
<i>Cxcl11</i>	Reverse	GCCGTTACTCGGGTAAATTACA	<i>CXCL11</i>	Reverse	GGATTTAGGCATCGTTGTCCTTT
<i>Cxcl5</i>	Forward	TCCAGCTCGCCATTTCATGC	<i>CXCL5</i>	Forward	AGTGCCTTGCCTTGTGTTAC
<i>Cxcl5</i>	Reverse	TTGCGGCTATGACTGAGGAAG	<i>CXCL5</i>	Reverse	GCGAACACTTGCAAGTACTGA
<i>Cxcl9</i>	Forward	TCCTTTTGGGCATCATCTTCC	<i>CXCL9</i>	Forward	GTAGTGAGAAAGGGTGCCTGT
<i>Cxcl9</i>	Reverse	TTTGTAGTGGATCGTGCCTCG	<i>CXCL9</i>	Reverse	AGGGCTTGGGGCAAATTGTT
<i>Cxcr3</i>	Forward	TACCTTGAGGTTAGTGAACGTCA	<i>CXCR3</i>	Forward	CCACCTAGCTGTAGCAGACAC
<i>Cxcr3</i>	Reverse	CGCTCTCGTTTTCCCATAATC	<i>CXCR3</i>	Reverse	AGGGCTCCTGCGTAGAAGTT
<i>Deptor</i>	Forward	GATAGACGGCACCATCTCAAAA	<i>DEPTOR</i>	Forward	CCTACCCAAACTGTTTTGTCGC
<i>Deptor</i>	Reverse	GGCCTCCTTATGTTCAATGAGC	<i>DEPTOR</i>	Reverse	CGGTCTGCTAATTTCTGCATGAG
<i>Egr1</i>	Forward	TCGGCTCCTTCTCACTCA	<i>EGR1</i>	Forward	GGTCAGTGGCCTAGTGAGC
<i>Egr1</i>	Reverse	CTCATAGGGTTGTTGCTCGG	<i>EGR1</i>	Reverse	GTGCCGCTGAGTAAATGGGA
<i>Eif4e</i>	Forward	AACCGGAAACCACCCTAC	<i>EIF4E</i>	Forward	TGCGGCTGATCTCCAAGTTTG
<i>Eif4e</i>	Reverse	CTCTGGGTTAGCAACCTCT	<i>EIF4E</i>	Reverse	CCCACATAGGCTCAATACCATC
<i>Eif4ebp1</i>	Forward	GGGGACTACAGCACCCTC	<i>EIF4EBP1</i>	Forward	CTATGACCGGAAATTCCTGATGG
<i>Eif4ebp1</i>	Reverse	GTTCCGACACTCCATCAGAAAT	<i>EIF4EBP1</i>	Reverse	CCCGCTTATCTTCTGGGCTA
<i>Fn1</i>	Forward	TTCAAGTGTGATCCCCATGAAG	<i>FN1</i>	Forward	AGGAAGCCGAGGTTTTAACTG
<i>Fn1</i>	Reverse	CAGGTCTACGGCAGTTGTCA	<i>FN1</i>	Reverse	AGGACGCTCATAAGTGTACC

<i>Foxp3</i>	Forward	ACCATTGGTTTACTCGCATGT		<i>FOXP3</i>	Forward	CTTCAAGTTCACAACATGCG
<i>Foxp3</i>	Reverse	TCCACTCGCACAAAGCACTT		<i>FOXP3</i>	Reverse	CGTGGCGTAGGTGAAAGGG
<i>GAPDH</i>	Forward	AAATGGTGAAGGTCGGTGT		<i>GAPDH</i>	Forward	AAGGTGAAGGTCGGAGTCAAC
<i>GAPDH</i>	Reverse	ACTCCACGACATACTCAGCAC		<i>GAPDH</i>	Reverse	GGGGTCATTGATGGCAACAATA
<i>Hnrnpa2b1</i>	Forward	GTTGAGCCAAAACGTGCTGTA		<i>HNRNPA2B1</i>	Forward	TGGAGGTAGCCCCGTTATG
<i>Hnrnpa2b1</i>	Reverse	TTTCCAGACTGCCTATCGGTA		<i>HNRNPA2B1</i>	Reverse	GGACCGTAGTTAGAAGGTTGCT
<i>Hnrnpd</i>	Forward	CCCCACGACACACTGAAGC		<i>HNRNPD</i>	Forward	GCGTGGGTTCTGCTTTATTACC
<i>Hnrnpd</i>	Reverse	CGCCCTGTGATAGGATCTAACT		<i>HNRNPD</i>	Reverse	TTGCTGATATTGTTCTTCGACA
<i>Hnrnpk</i>	Forward	ACTGATGAGATGGTTGAATTGCG		<i>HNRNPK</i>	Forward	GCAGGAGGAATTATTGGGGTC
<i>Hnrnpk</i>	Reverse	CTGGCATTGTAGTCTGTACGG		<i>HNRNPK</i>	Reverse	TGCACTCTACAACCTATCGG
<i>Hspa1a/1b</i>	Forward	TGGTGCAGTCCGACATGAAG		<i>HSPA1A/1B</i>	Forward	TTTGAGGGCATCGACTTCTACA
<i>Hspa1a/1b</i>	Reverse	GCTGAGAGTCGTTGAAGTAGGC		<i>HSPA1A/1B</i>	Reverse	CCAGGACCAGGTCGTGAATC
<i>Hspa5</i>	Forward	ACTTGGGGACCACCTATTCTT		<i>HSPA5</i>	Forward	CATCACGCCGTCTATGTGCG
<i>Hspa5</i>	Reverse	ATCGCCAATCAGACGCTCC		<i>HSPA5</i>	Reverse	CGTCAAAGACCCTGTTCTCG
<i>Hspa8</i>	Forward	TCTCGGCACCACCTACTCC		<i>HSPA8</i>	Forward	ATGCCAAACGTCTGATTGGAC
<i>Hspa8</i>	Reverse	CTACGCCCGATCAGACGTTT		<i>HSPA8</i>	Reverse	AGCATCATTACCACCATAAAGG
<i>Hspa9</i>	Forward	ATGGCTGGAATGGCCTTAGC		<i>HSPA9</i>	Forward	CTTGTTC AAGGCGGGATTATGC
<i>Hspa9</i>	Reverse	ACCCAAATCAATACCAACCACTG		<i>HSPA9</i>	Reverse	GCAGGAGTTGGTAGTACCCAAA
<i>Icam1</i>	Forward	GTGATGCTCAGGTATCCATCCA		<i>ICAM1</i>	Forward	ATGCCCAGACATCTGTGTCC
<i>Icam1</i>	Reverse	CACAGTTCTCAAAGCACAGCG		<i>ICAM1</i>	Reverse	GGGGTCTCTATGCCCAACAA
<i>Ido1</i>	Forward	GCTTTGCTCTACCACATCCAC		<i>IDO1</i>	Forward	TTGCACGTCTAGTTCTGGGAT
<i>Ido1</i>	Reverse	CAGGCGCTGTAACCTGTGT		<i>IDO1</i>	Reverse	GCAAGACCTTACGGACATCTCC
<i>Ido2</i>	Forward	AAGGCCAACCCCAAAGGTG		<i>IDO2</i>	Forward	CCACAGACCGAATGTGAAGAC
<i>Ido2</i>	Reverse	ACCAGGATAGGCGGGAGTC		<i>IDO2</i>	Reverse	TGTTGGCAATTTCCATCCAAGG
<i>Ifng</i>	Forward	ATGAACGCTACACACTGCATC		<i>IFNG</i>	Forward	TCGGTAACTGACTTGAATGTCCA
<i>Ifng</i>	Reverse	CCATCCTTTTGCCAGTTCTCTC		<i>IFNG</i>	Reverse	TCGCTTCCCTGTTT TAGCTGC
<i>Ikbkb</i>	Forward	GACATCGCATCGGCTCTTAGA		<i>IKBKB</i>	Forward	GTCTTTGCATCATTCTGTTGGG
<i>Ikbkb</i>	Reverse	AACGGTCACGGTGTACTTCTG		<i>IKBKB</i>	Reverse	GTGCCGAAGCTCCAGTAGTC
<i>Il17a</i>	Forward	TTTAACTCCCTTGCGCAAAA		<i>IL17A</i>	Forward	TCCCACGAAATCCAGGATGC
<i>Il17a</i>	Reverse	CTTCCCTCCGATTGACAC		<i>IL17A</i>	Reverse	TGTTCAAGTTGACCATCACAGT
<i>Il17c</i>	Forward	CTCCTGTTCTAGGCTGGTTG		<i>IL17C</i>	Forward	CCACACTGCTACTCGGCTG
<i>Il17c</i>	Reverse	CCACCTGGCACTTCGAGTTAG		<i>IL17C</i>	Reverse	CACACGGTATCTCCAGGGTGA
<i>Il20</i>	Forward	TCTTGCCCTTTGGACTGTTCTCC		<i>IL20</i>	Forward	TTTTCTGAGATACGGGGCAGT
<i>Il20</i>	Reverse	GTTTGCAGTAATCACACAGCTTC		<i>IL20</i>	Reverse	GTCTTAGCAAATGGCGCAGGA
<i>Il4</i>	Forward	GGTCTCAACCCCAAGCTAGT		<i>IL4</i>	Forward	CGGCAACTTTGTCCACGGA
<i>Il4</i>	Reverse	GCCGATGATCTCTCAAGTGAT		<i>IL4</i>	Reverse	TCTGTTACGGTCAACTCGGTG
<i>Il6</i>	Forward	CCAAGAGGTGAGTGCTTCCC		<i>IL6</i>	Forward	AATTCGGTACATCCTCGACGG
<i>Il6</i>	Reverse	CTGTTGTTCAAGTCTCTCCCT		<i>IL6</i>	Reverse	TTGGAAGGTTCAAGTTGTTTCT
<i>Irf1</i>	Forward	ATGCCAATCACTCGAATGCG		<i>IRF1</i>	Forward	TTCACACAGGCCGATACAAAG
<i>Irf1</i>	Reverse	TTGTATCGGCCTGTGTGAATG		<i>IRF1</i>	Reverse	CATGGCACAGCGAAAGTTGG
<i>Krt14</i>	Forward	AGCGGCAAGAGTGAGATTCT		<i>KRT14</i>	Forward	TGAGCCGATTCTGAACGAG
<i>Krt14</i>	Reverse	CCTCCAGGTTATTCTCCAGGG		<i>KRT14</i>	Reverse	GATGACTGCGATCCAGAGGA
<i>Krt16</i>	Forward	GGTGGCCTCTAACAGTGATCT		<i>KRT16</i>	Forward	GACCGGCGGAGATGTGAAC
<i>Krt16</i>	Reverse	TGCATACAGTATCTGCCTTTGG		<i>KRT16</i>	Reverse	CTGCTCGTACTGGTCACGC
<i>Krt17</i>	Forward	ACCATCCGCCAGTTTACCTC		<i>KRT17</i>	Forward	GGTGGGTGGTGAATCAATGT
<i>Krt17</i>	Reverse	CTACCCAGGCCACTAGCTGA		<i>KRT17</i>	Reverse	CGCGGTTCAAGTTCTCTGTC
<i>Mapkap1</i>	Forward	GAGACGCAGGGCTACATATACG		<i>MAPKAP1</i>	Forward	GGTGGACACCGATTTCCTCC
<i>Mapkap1</i>	Reverse	GCGGAGTCGTTCTAATCTTTGA		<i>MAPKAP1</i>	Reverse	CGCTTACTGCCTTCAGTAAGA
<i>Mlst8</i>	Forward	ATCAGTGGGCTTTCACGAGG		<i>MLST8</i>	Forward	TGTGGGCTTCCACGAAGAC
<i>Mlst8</i>	Reverse	GGTGCCTTACCTGGAAGAT		<i>MLST8</i>	Reverse	AGTTAATGGGTGCGTTCACCT
<i>Mmp2</i>	Forward	ACCTGAACACTTTCTATGGCTG		<i>MMP2</i>	Forward	GATACCCCTTTGACGGTAAGGA
<i>Mmp2</i>	Reverse	CTTCCGCATGGTCTCGATG		<i>MMP2</i>	Reverse	CCTTCTCCAAGGTCCATAGC

<i>Mmp3</i>	Forward	ACATGGAGACTTTGTCCCTTTTG	<i>MMP3</i>	Forward	CTGGACTCCGACACTCTGGA
<i>Mmp3</i>	Reverse	TTGGCTGAGTGGTAGAGTCCC	<i>MMP3</i>	Reverse	CAGGAAAGGTTCTGAAGTGACC
<i>Mmp9</i>	Forward	CTGGACAGCCAGACACTAAAG	<i>MMP9</i>	Forward	TGTACCGCTATGGTTACACTCG
<i>Mmp9</i>	Reverse	CTCGCGGCAAGTCTTCAGAG	<i>MMP9</i>	Reverse	GGCAGGGACAGTTGCTTCT
<i>Mpz</i>	Forward	CGGACAGGGAAATCTATGGTGC	<i>MPZ</i>	Forward	CATCGTGGTTTACACCGACAG
<i>Mpz</i>	Reverse	GCGCCAGGTAAAAGAGATGTCA	<i>MPZ</i>	Reverse	TGGAAGATCGAAATGCCATCTCT
<i>Mpz1</i>	Forward	TGGATGGTTGACCACGGTCT	<i>MPZL1</i>	Forward	ACGCCAAAAGAAATCTTCGTGG
<i>Mpz1</i>	Reverse	CCCAGGTGACTCGGTCTTT	<i>MPZL1</i>	Reverse	TCAACCCGCCAGTCGACTA
<i>Mpz2</i>	Forward	GATGCGCTAACTGTGACGTG	<i>MPZL2</i>	Forward	TTAATGGGACAGATGCTCGGT
<i>Mpz2</i>	Reverse	GGTCTTTGAACCGTCCGCT	<i>MPZL2</i>	Reverse	AAGACACCCGGTCTTAAACC
<i>Mpz3</i>	Forward	CCTTGGAGATAAGTGCCGATG	<i>MPZL3</i>	Forward	ATGCCCATGTCCGAGGTTATG
<i>Mpz3</i>	Reverse	CGGTATGTCCAGTCTATGGTCA	<i>MPZL3</i>	Reverse	GGAGGGCGATATGTCCAGTCT
<i>Mtor</i>	Forward	CAGTTCGCCAGTGGACTGAAG	<i>MTOR</i>	Forward	ACTCGTCTATGACCAACTGA
<i>Mtor</i>	Reverse	GCTGGTCATAGAAGCGAGTAGAC	<i>MTOR</i>	Reverse	CACCTTCCACTCTATGAGGC
<i>Myd88</i>	Forward	TCATGTTCTCCATACCCTTGGT	<i>MYD88</i>	Forward	GGCTGCTCTCAACATGCGA
<i>Myd88</i>	Reverse	AAACTGCGAGTGGGGTCAG	<i>MYD88</i>	Reverse	CTGTGTCCGCACGTTCAAGA
<i>Nfkb1a</i>	Forward	TGAAGGACGAGGAGTACGAGC	<i>NFKBIA</i>	Forward	CTCCGAGACTTTCGAGGAAATAC
<i>Nfkb1a</i>	Reverse	TTCGTGGATGATTGCCAAGTG	<i>NFKBIA</i>	Reverse	GCCATTGTAGTTGGTAGCCTTCA
<i>Prkca</i>	Forward	GTTTACCCGGCCAACGACT	<i>PRKCA</i>	Forward	AAGGGACCCGACACTGATGA
<i>Prkca</i>	Reverse	GGGCGATGAATTTGTGGTCTT	<i>PRKCA</i>	Reverse	AAGGTGGGGCTTCCGTAAGT
<i>Ptgs2</i>	Forward	TGCACTATGGTTACAAAAGCTGG	<i>PTGS2</i>	Forward	CCAGTATAAGTGCATTGTACCC
<i>Ptgs2</i>	Reverse	TCAGGAAGCTCCTTATTTCCCTT	<i>PTGS2</i>	Reverse	TCAAAAATCCGGTGTGAGCA
<i>Rela</i>	Forward	AGGCTTCTGGGCCTTATGTG	<i>RELA</i>	Forward	GTGGGGACTACGACCTGAATG
<i>Rela</i>	Reverse	TGCTTCTCTCGCCAGGAATAC	<i>RELA</i>	Reverse	GGGGCACGATTGTCAAAGATG
<i>Rictor</i>	Forward	GCTGCGCTATCTCATCCAAGA	<i>RICTOR</i>	Forward	TCCAAAGACTCGACAGTATGTGC
<i>Rictor</i>	Reverse	CTTTCTGACTAAGCGAAGGGC	<i>RICTOR</i>	Reverse	GGCTAGAAATCGTGCTTCTCTG
<i>Rn18s</i>	Forward	CCTGTGCCTTCCTTGGGA	<i>RPS18</i>	Forward	GCGGCGGAAAATAGCCTTTG
<i>Rn18s</i>	Reverse	CATTCGAACGTCTGCCCTATC	<i>RPS18</i>	Reverse	GATCACACGTTCCACCTCATC
<i>Rps6kb1</i>	Forward	GGGGCTATGGAAAGTTTTTCA	<i>RPS6KB1</i>	Forward	AGAACTTCTGGCTCGAAAGGT
<i>Rps6kb1</i>	Reverse	CGTGTCTTAGCATTCTCACT	<i>RPS6KB1</i>	Reverse	CGACAGGTGTCTGACGTGTA
<i>Rptor</i>	Forward	TGTGAGAAAATCGAAGGCTCC	<i>RPTOR</i>	Forward	AATGCTGCAATCGCCTCTTCT
<i>Rptor</i>	Reverse	TTTGACCGATGGTTCCAGA	<i>RPTOR</i>	Reverse	GCCAAAGGTAGGTTCCAGTCTG
<i>Runx1</i>	Forward	GCAGGCAACGATGAAACTACT	<i>RUNX1</i>	Forward	CTGCCATCGCTTTCAAGGT
<i>Runx1</i>	Reverse	GCAACTTGTGGCGGATTTGTA	<i>RUNX1</i>	Reverse	GCCGAGTAGTTTTATCATTGCC
<i>S100a10</i>	Forward	TGGAAACCATGATGCTTACGTT	<i>S100A10</i>	Forward	GGCTACTTAACAAAGGAGGACC
<i>S100a10</i>	Reverse	GAAGCCCACTTTGCCATCTC	<i>S100A10</i>	Reverse	GAGGCCCGCAATTAGGGAAA
<i>S100a4</i>	Forward	TGAGCAACTTGGACAGCAACA	<i>S100A4</i>	Forward	GATGAGCAACTTGGACAGCAA
<i>S100a4</i>	Reverse	TTCCGGGGTTCCTTATCTGGG	<i>S100A4</i>	Reverse	CTGGGCTGCTTATCTGGGAAG
<i>S100a5</i>	Forward	ATTCAGGGAGAGAGGGTAGCA	<i>S100A5</i>	Forward	GGAGAGAGGGTAGCAAAGTGA
<i>S100a5</i>	Reverse	CTCTGCAAGACTCAGCTCTGT	<i>S100A5</i>	Reverse	TCCCAAGACACAGCTCTTTC
<i>S100a7a</i>	Forward	AGGAGTTGAAAGCTCTGCTCT	<i>S100A7</i>	Forward	ACGTGATGACAAGATTGACAAGC
<i>S100a7a</i>	Reverse	GCTCTGTGATGTAGTATGGCTG	<i>S100A7</i>	Reverse	GCGAGGTAATTTGTGCCCTTT
<i>S100a8</i>	Forward	AAATCACCATGCCCTCTACAAG	<i>S100A8</i>	Forward	ATGCCGTCTACAGGGATGAC
<i>S100a8</i>	Reverse	CCCACCTTTATCACCATCGCAA	<i>S100A8</i>	Reverse	ACACTCGGTCTCTAGCAATTTCT
<i>S100a9</i>	Forward	ATACTCTAGGAAGGAAGGACACC	<i>S100A9</i>	Forward	GGTCATAGAACACATCATGGAGG
<i>S100a9</i>	Reverse	TCCATGATGTCATTTATGAGGGC	<i>S100A9</i>	Reverse	GGCTGGCTTATGGTGGTG
<i>Sdc1</i>	Forward	CTTTGTACGGCAGACACCTT	<i>SDC1</i>	Forward	CTGCCGCAATTTGTGGCTAC
<i>Sdc1</i>	Reverse	GACAGAGGTAAAAGCAGTCTCG	<i>SDC1</i>	Reverse	TGAGCCGGAGAAGTTGTGAGA
<i>Sfn</i>	Forward	GTGTGTGCGACACCGTACT	<i>SFN</i>	Forward	TGACGACAAGAAGCGCATCAT
<i>Sfn</i>	Reverse	CTCGGCTAGGTAGCGGTAG	<i>SFN</i>	Reverse	GTAGTGAAGACGGAAAAGTTCA
<i>Socs1</i>	Forward	CTGCGGCTTCTATTGGGGAC	<i>SOCS1</i>	Forward	TTTTCGCCCTTAGCGTGAAGA
<i>Socs1</i>	Reverse	AAAAGGCAGTCGAAGGTCTCG	<i>SOCS1</i>	Reverse	GAGGCAGTCGAAGCTCTCG



<i>Stat1</i>	Forward	GCTGCCTATGATGTCTCGTTT		<i>STAT1</i>	Forward	GCAGGTTACCAGCTTTATGA
<i>Stat1</i>	Reverse	TGCTTTTCCGTATGTTGTGCT		<i>STAT1</i>	Reverse	TGAAGATTACGCTTGCTTTTCTT
<i>Stat2</i>	Forward	TTTGGCTACCTGGATTGAAGAC		<i>STAT2</i>	Forward	CCAGCTTTACTCGCACAGC
<i>Stat2</i>	Reverse	GGCTGAATTTTCGCAAGTTATGC		<i>STAT2</i>	Reverse	AGCCTTGAATCATCACTCCC
<i>Stat3</i>	Forward	CACCTTGGATTGAGAGTCAAGAC		<i>STAT3</i>	Forward	CAGCAGCTTGACACACGGTA
<i>Stat3</i>	Reverse	AGGAATCGGCTATATTGCTGGT		<i>STAT3</i>	Reverse	AAACACCAAAGTGGCATGTGA
<i>Stat4</i>	Forward	GCACTCAGTAAGATGACGCAG		<i>STAT4</i>	Forward	TGTTGGCCCAATGGATTGAAA
<i>Stat4</i>	Reverse	CCAGTAGGGTAAAGCAGTTCTG		<i>STAT4</i>	Reverse	GGAAACACGACCTAACTGTTTCAT
<i>Stat5a</i>	Forward	CAGCCGTGGGATGCTATTGA		<i>STAT5A</i>	Forward	GCAGAGTCCGTGACAGAGG
<i>Stat5a</i>	Reverse	GGGACACGGGCATACGTG		<i>STAT5A</i>	Reverse	CCACAGGTAGGGACAGAGTCT
<i>Stat5b</i>	Forward	TGTCCCTGAAACGAATCAAGAG		<i>STAT5B</i>	Forward	GAACACCCGCAATGATTACAGT
<i>Stat5b</i>	Reverse	CTGAAGTGTGAGTCAAACAGGAT		<i>STAT5B</i>	Reverse	ACGGTCTGACCTTTAATTCGT
<i>Stat6</i>	Forward	TGGAGAGCATCTATCAGAGGGA		<i>STAT6</i>	Forward	GTTCCGCCACTTGCCAATG
<i>Stat6</i>	Reverse	GCGGAACTCTTCTATAACAGCTT		<i>STAT6</i>	Reverse	TGGATCTCCCTACTCGGTG
<i>Tcf4</i>	Forward	GATGGGACTCCCTATGACCAC		<i>TCF4</i>	Forward	AAAAATGGACCAACTTCTTTGGC
<i>Tcf4</i>	Reverse	GAAAGGGTTCCTGGATTGCC		<i>TCF4</i>	Reverse	GGAATTGACAAAAGGTGGAGAGA
<i>Thbs1</i>	Forward	CCTGCCAGGGAAGCAACAA		<i>THBS1</i>	Forward	AGACTCCGCATCGCAAAGG
<i>Thbs1</i>	Reverse	ACAGTCTATGTAGAGTTGAGCCC		<i>THBS1</i>	Reverse	TCACCACGTTGTTGTCAAGGG
<i>Thbs2</i>	Forward	GGGGACACTTTGGACCTCAAC		<i>THBS2</i>	Forward	GACACGCTGGATCTCACCTAC
<i>Thbs2</i>	Reverse	GCAGCCACATACAGGCTA		<i>THBS2</i>	Reverse	GAAGCTGTCTATGAGGTCGCA
<i>Tnfrsf11a</i>	Forward	CAGATGTCTTTTCGTCCACAGA		<i>TNFRSF11A</i>	Forward	TCCTCCACGGACAAATGCAG
<i>Tnfrsf11a</i>	Reverse	AGACTGGGCAGGTAAGCCT		<i>TNFRSF11A</i>	Reverse	CAAACCGCATCGGATTTCTCT
<i>Tnfsf10</i>	Forward	ATGGTGATTGCATAGTGCTCC		<i>TNFSF10</i>	Forward	TGCGTGCTGATCGTGATCTTC
<i>Tnfsf10</i>	Reverse	GCAAGCAGGGTCTGTCAAGA		<i>TNFSF10</i>	Reverse	GCTCGTTGGTAAAGTACACGTA
<i>Traf2</i>	Forward	AGAGAGTAGTTCGGCCTTTC		<i>TRAF2</i>	Forward	TCCCTGGAGTTGCTACAGC
<i>Traf2</i>	Reverse	GTGCATCCATCATTGGGACAG		<i>TRAF2</i>	Reverse	AGGCGGAGCACAGGTA
<i>Trim28</i>	Forward	CCCTGTCTACATTCGGCCTG		<i>TRIM28</i>	Forward	TTTCATGCGTGATAGTGGCAG
<i>Trim28</i>	Reverse	ACGATGTCTTTGGAGTAGCACT		<i>TRIM28</i>	Reverse	GCCTCTACAGGTCTCACAC
<i>Wnt1</i>	Forward	CGACTGATCCGACAGAACCC		<i>WNT1</i>	Forward	GGTGGGGTATTGTGAACGTAG
<i>Wnt1</i>	Reverse	CCATTTGCACTCTCGACA		<i>WNT1</i>	Reverse	CGTATCAGACGCCGCTGTTT
<i>Wnt10a</i>	Forward	CATGCTCGAATGAGACTCCAC		<i>WNT10A</i>	Forward	AAGCCTGGAGACTCGCAAC
<i>Wnt10a</i>	Reverse	CCCTACTGTGCGGAACTCAG		<i>WNT10A</i>	Reverse	CGATGGCGTAGGCCAAAAGC
<i>Wnt10b</i>	Forward	ATCGCCGTTACGAGTGTC		<i>WNT10B</i>	Forward	GTGAGCGAGACCCCACTATG
<i>Wnt10b</i>	Reverse	GGAAACCGCGCTTGAGGAT		<i>WNT10B</i>	Reverse	CACTCTGTAACCTTGCACTCATC
<i>Wnt11</i>	Forward	CAGCCTTCGTGTATGCCCTG		<i>WNT11</i>	Forward	GGAGTCGGCCTTCGTGTATG
<i>Wnt11</i>	Reverse	CCGTAGCTGAGGTTGTCCG		<i>WNT11</i>	Reverse	GCTGAGGTTGTCCGCACAT
<i>Wnt2</i>	Forward	CCTCCGAAGTAGTCGGGAATC		<i>WNT2</i>	Forward	GCCTTTGTTTATGCCATCTCCT
<i>Wnt2</i>	Reverse	GCAGGACTTTAATTCTCCTTGCC		<i>WNT2</i>	Reverse	CTTGGCGCTTCCCATCTTCTT
<i>Wnt2b</i>	Forward	GACACGTCCTGGTGGTACATA		<i>WNT2</i>	Reverse	GGGTGGTACAGTTCAGCG
<i>Wnt2b</i>	Reverse	GTCTGGGTAGCGTTGACACA		<i>WNT2B</i>	Forward	GTTACCCAGACATCATGCGTT
<i>Wnt3</i>	Forward	TGGTACCCAATTTGGTGGTC		<i>WNT3</i>	Forward	GGAGAGGGACCTGGTCTACTA
<i>Wnt3</i>	Reverse	CTTACACCTTCTGCTACGCT		<i>WNT3</i>	Reverse	CTTGTGCCAAAAGGAACCCGT
<i>Wnt4</i>	Forward	TGCGAGGTAAAGACGTGCTG		<i>WNT4</i>	Forward	CTCCACACTCGACTCCTTGC
<i>Wnt4</i>	Reverse	CTTGAAGTGTGATTCCGAGG		<i>WNT4</i>	Reverse	CCGAAGAGATGGCGTACACG
<i>Wnt5a</i>	Forward	GGACCACATGCAGTACATTGG		<i>WNT5A</i>	Forward	ATTCTTGGTGGTGCCTAGGTA
<i>Wnt5a</i>	Reverse	CGTCTCTCGGCTGCCTATTT		<i>WNT5A</i>	Reverse	CGCCTTCTCCGATGTA
<i>Wnt7b</i>	Forward	CTTACCTATGCCATCACGG		<i>WNT7B</i>	Forward	GAAGCAGGGCTACTACAACCA
<i>Wnt7b</i>	Reverse	TGGTTGTAGTAGCCTTGCTTCT		<i>WNT7B</i>	Reverse	CGGCCTCATTGTTATGCAGGT

R.P. Hobbs et al.

**Keratin 17 regulates Aire to promote skin tumorigenesis**

**Supplementary Table 7. List of primer sets used for ChIP and mutagenesis**

Target	Primer set	Forward Sequence (5'-->3')	Reverse sequence (5'-->3')
hCxcl11	1	TCTTTAGGAACTCATTACAGGT	CCTTTCACCCACCCTTCAT
	2	TGTATAGATATGTGAAGGATGAAGGG	GATAAGAATGTGAAAGCACTGTGAA
	3	GCTGGTTACCATCTGGGTTT	GGCACAGGAATTTCCCTCTT
	4	GGAAAGGTGCATGACTRCAAAG	CAGCTTTGCTGCTCTTCTTG
hCxcl10	1	GAATGGATTGCAACCTTTGTT	ATTTCCCTCTGCTCCTCTTT
	2	AAAGAGGAGCAGAGGGAAAT	CTGATTGGATAAGGGCATTACAG
	3	AGTCAACTGTAATGCCCTTATCC	TGGAGGTTCCCTCTGCTGTA
hMmp9	1	GGAAGGCATTTACTCCAGGTTA	CAAGGATACAGTGAGCCATGAT
	2	GCTGGAGTGCAGTGACATAA	CTAAAGCCAAGACCCAAGATT
	3	TTACAGGAATGAGCCACCATAAC	TGTCCCTAAATTGATGTGAGGATTA
	4	CCTCACATCAATTTAGGGACAAAG	GCTGAATCTTCAGGGCAGTA
	5	TCTAGAGGCTGCTACTGTCC	CTCCCTGACAGCCTTCTTTG
	6	AGGGAGAGGAAGCTGAGT	CCTGAGACTTCTTTCTGAAACTAATG
	7	GGAGGATATCTGACCTGGGA	GTGGGAACTGTATGAAAGGGA
	8	CTGACCACTGGAGGCTTTC	CAGTCTCCACTGCCAAGTC
	9	GGTTTCTGCGGGTCTG	TGTGTGTGTGTGTGTGTGT
	10	GTGGTGTAAGCCCTTTCTCA	TGAGGGCAGAGGTGTCT
hCcl19	1	AGGGCAATCCCTCTCTCT	CCCTTTCCTTCTGCTTTCCT
	2	AGAGCAGGAGCCAAGGA	GCCAGAGCTTCACTTTCTCTT
	3	TCACAGAATGGGACATGAAGG	GAAATGCAAGGTGTGAGTGATG
	4	CATCACTCACACCTTGCATTC	AACAGAGGCAGGCCAAC
hGAPDH	1	TGAGCAGTCCGGTGTCACTA	GGACTTTGGGAACGACTGAGATG
	2	AACTTTCCCGCCTCTCA	CAGGACACTAGGGAGTCAAG
	3	TCCTTGACTCCCTAGTGTCCTG	TAGTAGCCGGGCCCTACTTT
	4	ATCGGGCCAATCTCAGT	TCTTGAGGCCTGAGCTA
K17 Lys399Ala mutagenesis		ACTCAGTACGCGAAAGAACC	CAGGTGGGCATCCTCTC