DEVELOPMENTAL NEUROTOXICITY OF ORGANOPHOSPHATES TARGETS CELL CYCLE AND APOPTOSIS, REVEALED BY TRANSCRIPTIONAL PROFILES IN VIVO AND IN VITRO

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SUPPLEMENTAL TABLES

Supplemental Table 1. Cell Cycle Genes In Vivo

Gene	Control			CPF1			DZN1			DZN2	
	brainstem	forebrain		brainstem	forebrain		brainstem	forebrain		brainstem	forebrain
aatf	1.02 ± 0.02	1.04 ± 0.05		0.96 ± 0.02	1.01 ± 0.02		1.03 ± 0.03	1.02 ± 0.02		0.95 ± 0.03	1.02 ± 0.04
acly	0.95 ± 0.02	1.06 ± 0.02		0.97 ± 0.02	1.10 ± 0.02		0.87 ± 0.09	0.99 ± 0.10	*	0.82 ± 0.11	0.91 ± 0.11
adcyap1	1.15 ± 0.09	0.86 ± 0.03		1.31 ± 0.02	0.92 ± 0.01		1.27 ± 0.05	0.82 ± 0.02	*	1.30 ± 0.06	0.92 ± 0.01
ahr	0.71 ± 0.07	1.01 ± 0.08		1.01 ± 0.06	1.13 ± 0.04		0.82 ± 0.08	0.97 ± 0.05	*	0.93 ± 0.09	1.20 ± 0.08
ak1	0.86 ± 0.04	0.89 ± 0.06		1.04 ± 0.02	1.10 ± 0.06	*	1.05 ± 0.02	1.15 ± 0.06		0.92 ± 0.03	0.96 ± 0.11
akt1	0.68 ± 0.03	1.58 ± 0.16		0.66 ± 0.05	1.35 ± 0.03		0.66 ± 0.04	1.44 ± 0.06		0.69 ± 0.02	1.39 ± 0.05
akt2	0.86 ± 0.18	0.93 ± 0.18		0.62 ± 0.09	0.80 ± 0.11	†	1.65 ± 0.23†	0.84 ± 0.12		1.19 ± 0.26	0.92 ± 0.07
anxa1	1.00 ± 0.04	0.98 ± 0.02		1.03 ± 0.04	0.98 ± 0.02		0.98 ± 0.01	1.01 ± 0.02		1.04 ± 0.03	1.01 ± 0.01
apbb1	0.96 ± 0.02	1.09 ± 0.04		0.97 ± 0.01	1.04 ± 0.02		0.98 ± 0.02	1.06 ± 0.03		0.98 ± 0.02	1.05 ± 0.04
apc	0.76 ± 0.02	1.34 ± 0.02		0.75 ± 0.03	1.25 ± 0.03	†	0.78 ± 0.02	1.21 ± 0.02†	*	0.72 ± 0.01	1.27 ± 0.03
appbp1	1.06 ± 0.04	0.89 ± 0.01		1.10 ± 0.02	0.92 ± 0.03		1.08 ± 0.03	0.90 ± 0.03		1.10 ± 0.03	0.91 ± 0.01
araf1	1.01 ± 0.02	1.15 ± 0.05	*	0.98 ± 0.04	1.03 ± 0.04	*	0.87 ± 0.05	0.95 ± 0.07	*	0.94 ± 0.06	0.95 ± 0.10
atm	1.10 ± 0.12	1.08 ± 0.04		0.89 ± 0.08	0.99 ± 0.08		1.12 ± 0.06	1.03 ± 0.04	*	0.80 ± 0.05	0.86 ± 0.04
aurkb	0.84 ± 0.06	0.92 ± 0.04		0.85 ± 0.16	0.96 ± 0.06	*	1.07 ± 0.11	1.03 ± 0.08	*	1.02 ± 0.19	1.12 ± 0.06
axin2	1.18 ± 0.09	1.01 ± 0.07		1.01 ± 0.17	1.01 ± 0.04		1.07 ± 0.15	0.90 ± 0.04		0.99 ± 0.05	1.00 ± 0.05
bcl10	0.95 ± 0.02	1.02 ± 0.02		0.94 ± 0.01	1.03 ± 0.03	*	1.04 ± 0.04	1.05 ± 0.02		0.99 ± 0.03	1.06 ± 0.03
bin1	0.94 ± 0.02	1.14 ± 0.06		0.95 ± 0.04	1.11 ± 0.05		0.94 ± 0.02	1.11 ± 0.02		0.94 ± 0.02	1.15 ± 0.05
bmyc	0.95 ± 0.02	1.06 ± 0.08		0.97 ± 0.05	1.09 ± 0.05		0.98 ± 0.05	1.05 ± 0.05		0.93 ± 0.05	1.02 ± 0.04
brca1	0.66 ± 0.10	0.81 ± 0.18		0.75 ± 0.15	0.77 ± 0.12	*	1.04 ± 0.12	1.45 ± 0.23	*	1.05 ± 0.07	1.42 ± 0.20
btc	1.18 ± 0.23	1.02 ± 0.10		1.19 ± 0.11	0.85 ± 0.09		0.99 ± 0.13	0.86 ± 0.13		1.30 ± 0.24	0.98 ± 0.12
btg3	1.13 ± 0.02	0.90 ± 0.02		1.12 ± 0.04	0.97 ± 0.02		1.09 ± 0.06	0.90 ± 0.03	†	1.04 ± 0.02	0.94 ± 0.04
bzw1	0.91 ± 0.02	1.12 ± 0.02	*	0.87 ± 0.02	1.09 ± 0.02		0.89 ± 0.01	1.12 ± 0.02		0.90 ± 0.02	1.13 ± 0.02
calm1	0.93 ± 0.03	1.16 ± 0.06		0.89 ± 0.03	1.05 ± 0.03	*	0.90 ± 0.03	1.03 ± 0.01		0.88 ± 0.04	1.10 ± 0.04
calm2	0.90 ± 0.02	1.20 ± 0.02		0.94 ± 0.01	1.13 ± 0.03	†	0.97 ± 0.03	1.15 ± 0.03		0.94 ± 0.02	1.22 ± 0.01
calm3	0.94 ± 0.02	1.02 ± 0.01	†	0.95 ± 0.02	1.02 ± 0.01	*	0.96 ± 0.01	1.07 ± 0.01	*	0.99 ± 0.02	1.04 ± 0.01
camk2a	0.92 ± 0.06	1.20 ± 0.08		0.85 ± 0.01	1.10 ± 0.03		0.90 ± 0.02	1.09 ± 0.03	*	0.86 ± 0.01	1.07 ± 0.04
camk2b	0.68 ± 0.03	1.49 ± 0.11		0.63 ± 0.03	1.34 ± 0.03		0.68 ± 0.03	1.42 ± 0.03		0.67 ± 0.02	1.47 ± 0.06
camk2d	1.03 ± 0.08	0.90 ± 0.04		1.08 ± 0.03	0.97 ± 0.07	†	1.10 ± 0.06	0.75 ± 0.06†		1.07 ± 0.07	0.89 ± 0.07
camk2g	1.08 ± 0.04	0.94 ± 0.05		1.09 ± 0.05	0.92 ± 0.04		1.11 ± 0.03	0.93 ± 0.02		1.06 ± 0.03	0.92 ± 0.03
casp3	0.83 ± 0.03	1.35 ± 0.02		0.84 ± 0.04	1.39 ± 0.07		0.85 ± 0.04	1.25 ± 0.06		0.87 ± 0.06	1.26 ± 0.08
ccnb1	1.19 ± 0.10	1.06 ± 0.12	*	1.06 ± 0.05	0.91 ± 0.02		1.07 ± 0.06	0.98 ± 0.03	*	1.02 ± 0.06	0.95 ± 0.04
ccnc	1.08 ± 0.05	0.94 ± 0.04		1.07 ± 0.02	0.92 ± 0.03		1.05 ± 0.02	0.93 ± 0.03		1.07 ± 0.03	0.93 ± 0.02
ccnd1	1.10 ± 0.06	0.99 ± 0.02		1.00 ± 0.03	0.97 ± 0.03		1.03 ± 0.03	0.99 ± 0.03		1.02 ± 0.02	0.97 ± 0.02
ccnd2	0.73 ± 0.14	1.24 ± 0.14		0.59 ± 0.05	1.43 ± 0.17		0.64 ± 0.09	1.41 ± 0.10		0.62 ± 0.08	1.33 ± 0.14
ccnd3	0.96 ± 0.04	1.24 ± 0.08		0.95 ± 0.02	1.08 ± 0.03	*	0.94 ± 0.01	1.07 ± 0.04	*	0.94 ± 0.01	1.03 ± 0.02
ccnf	1.03 ± 0.03	1.15 ± 0.04	*	0.91 ± 0.05	1.03 ± 0.04	*	0.93 ± 0.03	0.99 ± 0.04	*	0.94 ± 0.03	1.00 ± 0.07
ccng1	1.15 ± 0.07	0.95 ± 0.08	*	1.02 ± 0.02	0.79 ± 0.02	*	1.07 ± 0.03	0.80 ± 0.01	*	1.04 ± 0.04	0.81 ± 0.02
ccnh	0.93 ± 0.01	1.11 ± 0.02		0.92 ± 0.01	1.11 ± 0.01		0.94 ± 0.01	1.11 ± 0.02		0.92 ± 0.01	1.11 ± 0.03
ccpg1	1.04 ± 0.02	1.05 ± 0.03	*	1.01 ± 0.02	1.00 ± 0.01	*	0.95 ± 0.02	0.96 ± 0.02	*	0.98 ± 0.03	1.01 ± 0.01
ccrk	1.07 ± 0.05	0.97 ± 0.02		1.10 ± 0.05	0.98 ± 0.04		1.08 ± 0.03	0.98 ± 0.03		1.08 ± 0.03	0.99 ± 0.02
cdc10	0.97 ± 0.04	1.09 ± 0.07		0.93 ± 0.03	1.14 ± 0.03		0.95 ± 0.02	1.13 ± 0.04		0.96 ± 0.03	1.14 ± 0.02
cdc14a	0.71 ± 0.15	4.21 ± 0.80	*†	0.84 ± 0.11	1.26 ± 0.41†	*†	0.82 ± 0.12	1.52 ± 0.26†	*†	1.18 ± 0.29	1.07 ± 0.20†
cdc14b	1.16 ± 0.11	0.92 ± 0.06		1.06 ± 0.03	0.92 ± 0.04	†	0.85 ± 0.04†	1.04 ± 0.12		1.21 ± 0.11	0.81 ± 0.04
cdc16	0.98 ± 0.04	1.03 ± 0.02		0.98 ± 0.02	1.00 ± 0.01		0.96 ± 0.02	1.01 ± 0.04		0.98 ± 0.02	1.05 ± 0.02
cdc20	1.04 ± 0.01	0.97 ± 0.02		1.03 ± 0.03	0.97 ± 0.02		1.07 ± 0.01	0.99 ± 0.01		1.02 ± 0.02	1.00 ± 0.02
cdc23	1.21 ± 0.09	0.92 ± 0.04		1.22 ± 0.10	0.91 ± 0.03		1.23 ± 0.09	0.88 ± 0.04		1.20 ± 0.10	0.91 ± 0.05
cdc25a	1.01 ± 0.04	0.99 ± 0.07		0.92 ± 0.08	0.98 ± 0.12	†	0.95 ± 0.06	1.22 ± 0.08†	†	0.86 ± 0.06	1.13 ± 0.13
cdc25b	0.95 ± 0.02	1.05 ± 0.05		0.91 ± 0.02	1.07 ± 0.04		0.91 ± 0.02	1.08 ± 0.02		0.97 ± 0.04	1.06 ± 0.02
cdc25c	0.76 ± 0.08	1.11 ± 0.14		1.11 ± 0.19	0.98 ± 0.11		1.11 ± 0.28	0.99 ± 0.08		1.02 ± 0.18	0.99 ± 0.03
cdc27	0.98 ± 0.09	1.10 ± 0.07		0.88 ± 0.06	1.14 ± 0.10		0.98 ± 0.09	1.06 ± 0.08		0.67 ± 0.15	1.15 ± 0.09
cdc2a	0.99 ± 0.02	0.96 ± 0.02		1.03 ± 0.01	0.98 ± 0.02		1.02 ± 0.03	0.99 ± 0.02		1.04 ± 0.03	0.96 ± 0.02
cdc2l1	0.87 ± 0.02	1.14 ± 0.04		0.86 ± 0.02	1.18 ± 0.04		0.86 ± 0.04	1.18 ± 0.04		0.91 ± 0.03	1.14 ± 0.03
cdc2l5	0.92 ± 0.03	1.14 ± 0.05		0.90 ± 0.03	1.18 ± 0.05		0.89 ± 0.02	1.18 ± 0.06		0.87 ± 0.02	1.16 ± 0.04
cdc34	0.93 ± 0.01	1.09 ± 0.02	†	0.96 ± 0.01	1.01 ± 0.01†	†	0.95 ± 0.02	1.03 ± 0.02†	†	0.97 ± 0.03	1.05 ± 0.02
cdc37	0.87 ± 0.05	1.19 ± 0.07		0.85 ± 0.04	1.18 ± 0.04		0.88 ± 0.04	1.19 ± 0.07		0.83 ± 0.03	1.24 ± 0.09

Supplemental Table 1 (continued)											
cdc37l	1.02 ± 0.04	1.04 ± 0.02		1.01 ± 0.04	1.00 ± 0.05		1.00 ± 0.02	0.98 ± 0.03		1.02 ± 0.05	0.96 ± 0.01
cdc40	0.78 ± 0.13	1.24 ± 0.12		0.86 ± 0.11	1.26 ± 0.08		0.83 ± 0.09	1.19 ± 0.11		0.76 ± 0.12	1.05 ± 0.07
cdc42	1.00 ± 0.01	1.02 ± 0.02		1.00 ± 0.02	1.03 ± 0.02		1.00 ± 0.02	1.02 ± 0.01		0.98 ± 0.01	1.02 ± 0.03
cdc5l	0.90 ± 0.06	0.99 ± 0.03	†	0.87 ± 0.04	1.15 ± 0.03†	*	0.92 ± 0.05	1.15 ± 0.03	*	0.97 ± 0.06	1.19 ± 0.04
cdc6	0.98 ± 0.12	1.11 ± 0.06		0.79 ± 0.12	1.10 ± 0.07		0.89 ± 0.11	1.10 ± 0.11		0.93 ± 0.10	1.10 ± 0.07
cdc7	1.04 ± 0.06	1.16 ± 0.06	*	0.88 ± 0.06	0.99 ± 0.07	*	0.82 ± 0.04	1.07 ± 0.05		0.92 ± 0.04	1.11 ± 0.06
cdc91l1	1.06 ± 0.04	0.99 ± 0.01		1.05 ± 0.04	0.94 ± 0.02		1.08 ± 0.04	0.98 ± 0.01		1.07 ± 0.05	0.96 ± 0.03
cdca1	0.95 ± 0.03	1.02 ± 0.02		0.94 ± 0.03	1.04 ± 0.01		0.90 ± 0.03	1.06 ± 0.03		0.94 ± 0.04	1.07 ± 0.02
cdca2	0.81 ± 0.07	1.00 ± 0.05		0.90 ± 0.13	1.15 ± 0.10		0.86 ± 0.04	1.20 ± 0.14	*	0.97 ± 0.07	1.17 ± 0.14
cdca3	0.94 ± 0.02	1.03 ± 0.03	†	1.00 ± 0.02	1.00 ± 0.01	†	0.99 ± 0.01	1.00 ± 0.01		0.98 ± 0.04	1.00 ± 0.02
cdca7	0.77 ± 0.06	1.39 ± 0.08		0.74 ± 0.04	1.59 ± 0.10		0.64 ± 0.04	1.39 ± 0.03		0.74 ± 0.06	1.47 ± 0.07
cdk2	1.11 ± 0.05	0.98 ± 0.02		1.05 ± 0.03	0.98 ± 0.04	*	1.01 ± 0.04	0.95 ± 0.01		1.10 ± 0.04	0.92 ± 0.04
cdk4	0.89 ± 0.02	1.16 ± 0.05		0.89 ± 0.03	1.09 ± 0.03		0.86 ± 0.02	1.10 ± 0.03		0.92 ± 0.02	1.15 ± 0.03
cdk5	0.85 ± 0.05	1.10 ± 0.05		0.89 ± 0.02	1.11 ± 0.04		0.91 ± 0.05	1.02 ± 0.02		0.86 ± 0.07	1.06 ± 0.04
cdk6	1.12 ± 0.17	0.83 ± 0.08		0.81 ± 0.06	0.89 ± 0.17		1.22 ± 0.08	0.86 ± 0.13		1.02 ± 0.12	0.98 ± 0.20
cdk7	0.97 ± 0.02	1.03 ± 0.04		0.97 ± 0.02	1.07 ± 0.04		0.98 ± 0.03	1.03 ± 0.02		0.95 ± 0.05	1.07 ± 0.05
cdkn1a	1.23 ± 0.14	0.86 ± 0.07	†	0.94 ± 0.06†	1.16 ± 0.09†		1.17 ± 0.08	1.01 ± 0.14	†	0.99 ± 0.07	0.92 ± 0.04
cdkn1b	0.87 ± 0.05	1.27 ± 0.04		0.84 ± 0.02	1.20 ± 0.05		0.92 ± 0.03	1.30 ± 0.02		0.82 ± 0.06	1.16 ± 0.05
cdkn1c	1.32 ± 0.13	0.82 ± 0.07		1.57 ± 0.10	0.82 ± 0.03		1.41 ± 0.09	0.84 ± 0.05		1.54 ± 0.13	0.85 ± 0.07
cdkn2a	1.10 ± 0.03	0.96 ± 0.02	†	0.98 ± 0.04	0.99 ± 0.04		1.04 ± 0.02	0.91 ± 0.07	*	1.03 ± 0.02	0.90 ± 0.02
cdkn2b	1.07 ± 0.13	1.13 ± 0.15		0.97 ± 0.16	0.78 ± 0.04		0.99 ± 0.12	1.17 ± 0.14		1.05 ± 0.08	0.87 ± 0.04
cdkn2c	0.88 ± 0.03	1.10 ± 0.10	*	0.94 ± 0.02	1.22 ± 0.03		0.88 ± 0.02	1.20 ± 0.05		0.95 ± 0.02	1.18 ± 0.05
cgref1	0.99 ± 0.02	1.12 ± 0.04	*	0.91 ± 0.04	1.03 ± 0.07	*	0.92 ± 0.03	1.08 ± 0.04	*†	0.98 ± 0.03	0.99 ± 0.03†
cgrrf1	1.55 ± 0.07	0.91 ± 0.04	*†	1.32 ± 0.04†	0.91 ± 0.01	*†	1.31 ± 0.05†	0.89 ± 0.03	*	1.38 ± 0.03	0.89 ± 0.02
chek1	0.99 ± 0.04	0.98 ± 0.08		1.04 ± 0.03	0.96 ± 0.07	*	1.05 ± 0.05	0.99 ± 0.05		1.11 ± 0.06	0.96 ± 0.05
chek2	0.76 ± 0.09	1.15 ± 0.18		0.88 ± 0.15	1.21 ± 0.07		1.05 ± 0.12	0.98 ± 0.11		0.89 ± 0.06	1.41 ± 0.25
commd5	0.89 ± 0.06	1.03 ± 0.05		0.91 ± 0.04	1.07 ± 0.03		0.87 ± 0.04	1.10 ± 0.03		0.83 ± 0.02	1.06 ± 0.01
cort	0.66 ± 0.03	1.35 ± 0.02		0.72 ± 0.03	1.33 ± 0.06		0.68 ± 0.03	1.41 ± 0.05		0.69 ± 0.03	1.41 ± 0.03
crk	0.97 ± 0.06	1.23 ± 0.13		0.98 ± 0.06	1.02 ± 0.06	*	0.93 ± 0.05	0.95 ± 0.08	†	1.03 ± 0.02	0.99 ± 0.06†
csf1r	0.97 ± 0.02	0.90 ± 0.05	*	1.04 ± 0.03	1.01 ± 0.03	*	1.03 ± 0.01	1.01 ± 0.02		0.99 ± 0.02	0.98 ± 0.06
csnk1d	1.06 ± 0.03	1.00 ± 0.01		1.08 ± 0.03	0.95 ± 0.04		1.09 ± 0.05	0.90 ± 0.05	*†	1.05 ± 0.05	0.83 ± 0.01†
cspg6	0.83 ± 0.03	1.20 ± 0.04		0.83 ± 0.03	1.16 ± 0.05		0.84 ± 0.03	1.21 ± 0.03		0.88 ± 0.05	1.21 ± 0.04
ctcf	0.97 ± 0.04	1.09 ± 0.02		0.91 ± 0.03	1.07 ± 0.01		0.92 ± 0.02	1.05 ± 0.03		0.95 ± 0.03	1.08 ± 0.03
cul5	0.97 ± 0.04	0.99 ± 0.10		0.98 ± 0.05	1.07 ± 0.05		0.99 ± 0.03	1.07 ± 0.06		0.92 ± 0.11	0.99 ± 0.07
cwf19l1	0.81 ± 0.16	1.27 ± 0.17		0.79 ± 0.10	1.03 ± 0.12	*	1.11 ± 0.12	2.40 ± 0.24		0.84 ± 0.06	1.05 ± 0.09
cwf19l2	0.91 ± 0.05	0.96 ± 0.07		0.90 ± 0.05	0.99 ± 0.05	*	0.94 ± 0.04	1.11 ± 0.03	*	1.03 ± 0.08	1.07 ± 0.06
cxcl1	1.39 ± 0.17	1.26 ± 0.09	*	0.92 ± 0.14	0.83 ± 0.12	*	0.79 ± 0.09	0.94 ± 0.15	*	0.72 ± 0.01	0.81 ± 0.08
d123	0.95 ± 0.01	1.03 ± 0.01		0.94 ± 0.01	1.03 ± 0.01		0.94 ± 0.01	1.03 ± 0.01		0.97 ± 0.04	1.04 ± 0.02
dcc	1.28 ± 0.10	0.87 ± 0.05	†	1.02 ± 0.02†	0.98 ± 0.05		1.28 ± 0.04	1.04 ± 0.11	*†	0.93 ± 0.11†	0.85 ± 0.03
ddit3	1.64 ± 0.08	0.64 ± 0.02		1.58 ± 0.03	0.69 ± 0.03		1.49 ± 0.06	0.68 ± 0.04		1.51 ± 0.04	0.64 ± 0.02
ddx16	1.16 ± 0.06	1.01 ± 0.05		1.02 ± 0.05	0.96 ± 0.06	*	0.98 ± 0.07	0.92 ± 0.06		1.09 ± 0.09	0.90 ± 0.05
dusp1	0.92 ± 0.05	1.10 ± 0.03		0.87 ± 0.04	1.12 ± 0.04		0.90 ± 0.06	1.10 ± 0.05		0.92 ± 0.03	1.02 ± 0.03
e2f3	1.06 ± 0.03	0.89 ± 0.03		1.05 ± 0.02	0.93 ± 0.01	*	1.08 ± 0.04	0.97 ± 0.01		1.06 ± 0.03	0.94 ± 0.02
e2f5	1.14 ± 0.08	0.71 ± 0.10		1.39 ± 0.07	0.85 ± 0.10		1.29 ± 0.07	0.93 ± 0.03		1.28 ± 0.19	0.65 ± 0.11
egfr	0.96 ± 0.04	1.04 ± 0.01		0.97 ± 0.04	0.97 ± 0.02		0.97 ± 0.02	1.02 ± 0.03		0.96 ± 0.02	1.00 ± 0.03
elk1	0.95 ± 0.12	0.80 ± 0.13		0.96 ± 0.07	1.07 ± 0.09	†	0.78 ± 0.06	1.07 ± 0.13	*	1.58 ± 0.10	1.12 ± 0.16
eral1	1.14 ± 0.04	1.14 ± 0.14	*	1.01 ± 0.07	0.88 ± 0.04		1.05 ± 0.05	0.95 ± 0.02	*	1.02 ± 0.11	0.93 ± 0.04
erbb2	0.94 ± 0.02	0.94 ± 0.02	*†	1.05 ± 0.01†	0.97 ± 0.01	*	1.07 ± 0.04	1.01 ± 0.01	*	1.08 ± 0.03	1.00 ± 0.02
erbb3	0.97 ± 0.13	0.95 ± 0.02		0.97 ± 0.15	0.93 ± 0.07		0.97 ± 0.14	1.04 ± 0.15	*	1.31 ± 0.17	1.26 ± 0.17
ereg	0.95 ± 0.06	0.96 ± 0.12		1.07 ± 0.07	1.15 ± 0.22		0.70 ± 0.16	0.96 ± 0.30		0.83 ± 0.13	1.04 ± 0.25
ets1	0.97 ± 0.04	1.05 ± 0.04		0.88 ± 0.01	1.06 ± 0.03		0.92 ± 0.02	1.08 ± 0.01		0.91 ± 0.01	1.07 ± 0.03
ets2	1.04 ± 0.05	0.97 ± 0.04		1.07 ± 0.07	1.02 ± 0.03		1.02 ± 0.05	0.99 ± 0.06		1.06 ± 0.06	0.91 ± 0.02
fbxo2	1.42 ± 0.06	0.70 ± 0.02		1.39 ± 0.05	0.68 ± 0.03		1.39 ± 0.05	0.71 ± 0.03		1.43 ± 0.05	0.70 ± 0.03
fgf1	0.98 ± 0.05	1.00 ± 0.04		0.80 ± 0.13	0.99 ± 0.05		0.96 ± 0.07	0.99 ± 0.11		1.09 ± 0.06	0.99 ± 0.03
fgf2	1.17 ± 0.09	1.02 ± 0.03	*	0.92 ± 0.06	0.87 ± 0.03	*†	0.87 ± 0.04†	1.02 ± 0.10	*†	0.61 ± 0.10†	1.04 ± 0.03
fgf3	1.04 ± 0.09	0.87 ± 0.04	*	1.20 ± 0.04	0.99 ± 0.05	*	1.25 ± 0.13	0.96 ± 0.05	*	1.30 ± 0.07	0.91 ± 0.05
fgf4	0.93 ± 0.13	0.81 ± 0.13		1.16 ± 0.25	1.13 ± 0.16		1.34 ± 0.14	0.88 ± 0.18		1.26 ± 0.28	1.17 ± 0.14
fgf5	1.17 ± 0.18	0.55 ± 0.03	†	0.98 ± 0.12	1.00 ± 0.17†	*	1.41 ± 0.18	0.98 ± 0.26	†	0.85 ± 0.15	1.20 ± 0.25†

Supplemental Table 1 (continued)											
fgf7	0.82 ± 0.25	1.31 ± 0.32		0.68 ± 0.21	0.87 ± 0.32		0.92 ± 0.24	0.85 ± 0.21		0.89 ± 0.10	1.08 ± 0.12
fgf9	1.37 ± 0.08	0.81 ± 0.02		1.40 ± 0.06	0.85 ± 0.03		1.48 ± 0.02	0.84 ± 0.03		1.42 ± 0.07	0.80 ± 0.03
fgr	1.03 ± 0.13	0.88 ± 0.06		1.23 ± 0.11	0.87 ± 0.07		1.05 ± 0.04	0.96 ± 0.03		1.27 ± 0.14	0.87 ± 0.09
figf	0.99 ± 0.04	0.93 ± 0.02		0.97 ± 0.04	1.00 ± 0.04	*	1.04 ± 0.04	1.12 ± 0.09	*	1.14 ± 0.07	1.12 ± 0.07
fos	1.38 ± 0.09	1.07 ± 0.23	*	0.90 ± 0.15	0.72 ± 0.09		1.52 ± 0.11	0.63 ± 0.15		0.93 ± 0.16	1.06 ± 0.20
foxg1	0.09 ± 0.03	1.93 ± 0.05		0.07 ± 0.01	1.97 ± 0.03		0.06 ± 0.01	1.98 ± 0.05		0.08 ± 0.02	2.03 ± 0.06
frap1	0.91 ± 0.04	1.12 ± 0.06		0.91 ± 0.02	1.02 ± 0.02		0.91 ± 0.03	1.08 ± 0.03		0.89 ± 0.06	1.05 ± 0.04
fyn	0.84 ± 0.04	1.14 ± 0.05		0.84 ± 0.06	1.14 ± 0.03		0.84 ± 0.03	1.11 ± 0.01		0.79 ± 0.03	1.11 ± 0.03
fzr1	0.77 ± 0.04	1.16 ± 0.03		0.87 ± 0.04	1.21 ± 0.07		0.89 ± 0.04	1.15 ± 0.10	*†	0.91 ± 0.04†	1.15 ± 0.04
gadd45a	1.23 ± 0.04	0.86 ± 0.02		1.19 ± 0.03	0.83 ± 0.03	†	1.10 ± 0.02†	0.88 ± 0.02		1.15 ± 0.05	0.89 ± 0.03
gak	1.00 ± 0.02	1.14 ± 0.02	*†	0.98 ± 0.02	1.00 ± 0.01†	*†	1.01 ± 0.03	0.99 ± 0.02†	*†	0.97 ± 0.02	0.99 ± 0.02†
gsk3b	0.84 ± 0.05	1.31 ± 0.10		0.79 ± 0.03	1.19 ± 0.07		0.87 ± 0.03	1.28 ± 0.06		0.81 ± 0.08	1.17 ± 0.05
gspt1	0.97 ± 0.02	1.06 ± 0.02		0.96 ± 0.02	1.02 ± 0.02		0.95 ± 0.03	1.04 ± 0.02		0.94 ± 0.02	1.05 ± 0.03
hdac3	0.96 ± 0.02	1.09 ± 0.03		0.94 ± 0.03	1.08 ± 0.03		0.93 ± 0.02	1.09 ± 0.03		0.93 ± 0.02	1.08 ± 0.02
hdac7a	1.02 ± 0.08	0.69 ± 0.07	*	1.17 ± 0.14	0.92 ± 0.06	*	1.31 ± 0.18	1.00 ± 0.10	*†	1.04 ± 0.13	1.18 ± 0.15†
hirip5	0.97 ± 0.10	0.91 ± 0.09	*	1.40 ± 0.20	1.03 ± 0.09		1.26 ± 0.13	0.87 ± 0.04		1.10 ± 0.09	0.93 ± 0.09
hspa8	0.95 ± 0.02	1.09 ± 0.02	*	0.93 ± 0.02	1.04 ± 0.01	*	0.93 ± 0.02	1.03 ± 0.01		0.96 ± 0.02	1.06 ± 0.02
id2	0.80 ± 0.04	1.41 ± 0.04	*	0.66 ± 0.04	1.35 ± 0.07	*	0.72 ± 0.02	1.29 ± 0.02	*	0.73 ± 0.02	1.30 ± 0.09
igf2	1.19 ± 0.08	0.94 ± 0.02		1.24 ± 0.08	0.91 ± 0.07		1.07 ± 0.08	0.88 ± 0.02		1.31 ± 0.05	0.94 ± 0.02
il18	1.20 ± 0.11	0.87 ± 0.19		0.96 ± 0.12	0.90 ± 0.06		1.14 ± 0.06	0.89 ± 0.06		1.13 ± 0.05	0.83 ± 0.04
il1a	1.46 ± 0.19	0.78 ± 0.12		1.44 ± 0.15	0.88 ± 0.07	†	0.99 ± 0.11	0.79 ± 0.05	†	1.13 ± 0.08	0.97 ± 0.14
il1b	1.12 ± 0.06	0.86 ± 0.04	*	1.51 ± 0.23	1.04 ± 0.04	*	0.98 ± 0.04	0.81 ± 0.04		1.16 ± 0.10	0.87 ± 0.03
ilkap	0.98 ± 0.03	0.98 ± 0.04		1.00 ± 0.04	1.03 ± 0.03		1.00 ± 0.03	1.01 ± 0.02		0.97 ± 0.03	1.04 ± 0.01
inha	1.05 ± 0.03	0.94 ± 0.04		1.05 ± 0.03	0.91 ± 0.04		1.06 ± 0.05	0.92 ± 0.04		1.04 ± 0.04	0.93 ± 0.04
itgb1	0.98 ± 0.06	0.73 ± 0.08		1.00 ± 0.11	1.02 ± 0.13		0.98 ± 0.05	1.00 ± 0.11		1.00 ± 0.16	0.98 ± 0.14
jag2	0.93 ± 0.07	1.01 ± 0.09		0.92 ± 0.09	1.05 ± 0.04		0.96 ± 0.10	1.05 ± 0.03		0.86 ± 0.11	1.10 ± 0.07
jun	1.11 ± 0.06	1.00 ± 0.03		1.03 ± 0.03	1.00 ± 0.02		1.05 ± 0.03	0.96 ± 0.02	*	0.95 ± 0.06	0.96 ± 0.01
junb	0.85 ± 0.14	0.95 ± 0.08		0.85 ± 0.05	1.28 ± 0.10		0.81 ± 0.09	1.29 ± 0.12		0.81 ± 0.08	1.27 ± 0.10
jund	0.97 ± 0.06	0.89 ± 0.07	*	1.00 ± 0.01	1.02 ± 0.05	*	1.02 ± 0.06	1.12 ± 0.06		1.04 ± 0.05	1.01 ± 0.10
kras2	0.89 ± 0.02	1.07 ± 0.08	*	0.92 ± 0.01	1.29 ± 0.02		0.95 ± 0.05	1.18 ± 0.05	*†	0.91 ± 0.02	1.28 ± 0.03†
loc288698	1.28 ± 0.03	0.64 ± 0.01		1.28 ± 0.04	0.63 ± 0.02		1.32 ± 0.03	0.64 ± 0.01	*	1.32 ± 0.04	0.68 ± 0.01
lyn	1.11 ± 0.04	0.96 ± 0.03		1.06 ± 0.04	0.98 ± 0.04	*	0.98 ± 0.03	0.95 ± 0.02		1.07 ± 0.05	0.93 ± 0.01
maf	1.08 ± 0.10	1.07 ± 0.09		1.01 ± 0.06	1.04 ± 0.09		1.11 ± 0.10	1.08 ± 0.07		0.98 ± 0.14	1.01 ± 0.08
mafk	0.73 ± 0.07	1.39 ± 0.21		0.82 ± 0.10	1.31 ± 0.09		0.75 ± 0.07	1.24 ± 0.10		0.61 ± 0.05	1.25 ± 0.15
map3k8	1.29 ± 0.15	0.88 ± 0.04		1.10 ± 0.10	0.85 ± 0.06		1.22 ± 0.10	0.91 ± 0.08		1.24 ± 0.12	0.81 ± 0.03
mapk1	0.99 ± 0.03	1.07 ± 0.02		0.96 ± 0.02	1.07 ± 0.03		0.98 ± 0.02	1.04 ± 0.04		0.93 ± 0.04	1.05 ± 0.04
mapk12	1.07 ± 0.10	0.86 ± 0.04	†	1.00 ± 0.06	1.02 ± 0.02†		1.08 ± 0.09	0.77 ± 0.11		1.05 ± 0.02	0.87 ± 0.06
mapk13	1.37 ± 0.21	0.52 ± 0.10	*	1.94 ± 0.22	0.73 ± 0.12		1.28 ± 0.10	0.74 ± 0.19		1.38 ± 0.42	0.99 ± 0.17
mapk3	0.87 ± 0.03	1.31 ± 0.20		0.94 ± 0.07	1.18 ± 0.11		0.95 ± 0.03	1.19 ± 0.12		0.87 ± 0.08	1.19 ± 0.16
mapk4	0.96 ± 0.03	1.04 ± 0.04		1.00 ± 0.04	1.11 ± 0.05		1.01 ± 0.06	1.07 ± 0.05		0.95 ± 0.04	1.01 ± 0.05
mapk6	1.19 ± 0.04	0.84 ± 0.03		1.24 ± 0.03	0.82 ± 0.02		1.23 ± 0.01	0.82 ± 0.02		1.21 ± 0.04	0.83 ± 0.02
mas1	0.62 ± 0.03	1.41 ± 0.04		0.59 ± 0.03	1.51 ± 0.04		0.62 ± 0.03	1.44 ± 0.05		0.63 ± 0.04	1.40 ± 0.04
mcm5	1.16 ± 0.15	1.19 ± 0.14		1.01 ± 0.06	0.99 ± 0.03	*	0.90 ± 0.04	1.08 ± 0.04	*	0.98 ± 0.02	0.98 ± 0.04
mcmd6	0.90 ± 0.04	1.27 ± 0.07		0.88 ± 0.04	1.27 ± 0.04		0.83 ± 0.03	1.23 ± 0.06		0.85 ± 0.04	1.26 ± 0.08
mdk	1.04 ± 0.03	0.99 ± 0.01	*	1.01 ± 0.02	0.93 ± 0.02		1.02 ± 0.04	0.97 ± 0.03		1.04 ± 0.02	0.99 ± 0.02
mertk	0.76 ± 0.10	1.11 ± 0.07		0.87 ± 0.12	1.26 ± 0.07		0.71 ± 0.08	1.20 ± 0.12	†	0.96 ± 0.08	0.98 ± 0.08
met	0.91 ± 0.07	1.10 ± 0.10		0.81 ± 0.13	0.99 ± 0.05		1.03 ± 0.09	1.14 ± 0.12		0.79 ± 0.07	1.12 ± 0.09
mid1	1.22 ± 0.14	1.30 ± 0.33	*	0.52 ± 0.22	1.05 ± 0.16	*	0.84 ± 0.15	0.79 ± 0.10		0.93 ± 0.19	1.14 ± 0.16
mnat1	1.07 ± 0.05	0.95 ± 0.04		1.02 ± 0.04	0.96 ± 0.03		1.04 ± 0.01	1.01 ± 0.02		1.06 ± 0.05	0.97 ± 0.02
mos	0.95 ± 0.09	0.89 ± 0.10	*	1.09 ± 0.10	1.28 ± 0.19	†	0.82 ± 0.09	1.30 ± 0.10†		0.90 ± 0.12	1.06 ± 0.17
mre11a	0.91 ± 0.10	0.90 ± 0.05	*	1.10 ± 0.15	1.37 ± 0.18		1.04 ± 0.13	1.03 ± 0.15		1.21 ± 0.18	0.94 ± 0.05
msh2	0.98 ± 0.03	1.03 ± 0.03		0.94 ± 0.02	1.05 ± 0.01	*	0.87 ± 0.03	1.01 ± 0.02		0.93 ± 0.03	1.04 ± 0.02
myc	0.79 ± 0.04	1.19 ± 0.01		0.81 ± 0.03	1.22 ± 0.03		0.82 ± 0.04	1.18 ± 0.04		0.81 ± 0.04	1.18 ± 0.04
mycl1	0.86 ± 0.07	1.05 ± 0.05		1.11 ± 0.19	1.12 ± 0.13		0.91 ± 0.04	1.03 ± 0.06	*	0.97 ± 0.03	1.14 ± 0.03
mycn	0.58 ± 0.05	1.37 ± 0.06		0.53 ± 0.02	1.46 ± 0.10		0.57 ± 0.07	1.29 ± 0.07		0.57 ± 0.04	1.51 ± 0.11
mycs	0.97 ± 0.03	1.03 ± 0.05		1.03 ± 0.05	1.03 ± 0.05		1.00 ± 0.02	0.98 ± 0.02		1.04 ± 0.03	0.98 ± 0.03
n-myc	0.73 ± 0.04	1.29 ± 0.05		0.69 ± 0.04	1.37 ± 0.02		0.69 ± 0.01	1.32 ± 0.02		0.75 ± 0.03	1.30 ± 0.01
nbl1	0.98 ± 0.03	1.02 ± 0.05		1.02 ± 0.04	1.02 ± 0.05		0.97 ± 0.03	1.01 ± 0.03		1.03 ± 0.02	1.04 ± 0.04

Supplemental Table 1 (continued)											
nbn	1.08 ± 0.03	0.91 ± 0.02		1.05 ± 0.02	0.93 ± 0.02		1.08 ± 0.02	0.92 ± 0.02		1.08 ± 0.03	0.95 ± 0.02
nedd4a	0.95 ± 0.02	0.99 ± 0.04		0.99 ± 0.02	1.01 ± 0.04		1.07 ± 0.07	0.99 ± 0.03		1.00 ± 0.01	1.02 ± 0.03
nedd8	1.00 ± 0.02	1.00 ± 0.02		1.01 ± 0.02	1.00 ± 0.01		0.99 ± 0.01	1.02 ± 0.02		1.00 ± 0.03	1.01 ± 0.01
nek2	0.84 ± 0.07	1.13 ± 0.07		0.96 ± 0.05	1.16 ± 0.10		0.94 ± 0.05	1.10 ± 0.04		0.92 ± 0.09	1.04 ± 0.10
nf2	1.08 ± 0.07	0.93 ± 0.12		1.03 ± 0.11	0.97 ± 0.04		0.95 ± 0.16	1.07 ± 0.06	†	1.01 ± 0.05	1.33 ± 0.18
notch2	1.06 ± 0.07	0.93 ± 0.03		0.95 ± 0.06	1.01 ± 0.09		0.96 ± 0.05	0.99 ± 0.03		1.04 ± 0.03	1.01 ± 0.10
npm1	1.07 ± 0.02	0.92 ± 0.03		1.03 ± 0.01	0.93 ± 0.02		1.06 ± 0.02	0.93 ± 0.01		1.13 ± 0.03	0.92 ± 0.02
nr2f6	1.01 ± 0.02	1.01 ± 0.03		0.98 ± 0.03	1.05 ± 0.03		0.98 ± 0.02	1.03 ± 0.03		0.96 ± 0.02	1.03 ± 0.02
nras	0.82 ± 0.02	1.20 ± 0.05		0.84 ± 0.02	1.29 ± 0.05		0.83 ± 0.02	1.29 ± 0.05		0.85 ± 0.04	1.25 ± 0.04
nucks	0.77 ± 0.03	1.28 ± 0.10		0.77 ± 0.03	1.29 ± 0.05		0.80 ± 0.05	1.26 ± 0.04		0.76 ± 0.04	1.26 ± 0.06
pal31	0.98 ± 0.07	1.06 ± 0.17		0.89 ± 0.06	1.29 ± 0.15		0.95 ± 0.11	1.21 ± 0.13		0.91 ± 0.13	1.15 ± 0.16
par3	1.02 ± 0.07	1.05 ± 0.07		0.98 ± 0.03	1.11 ± 0.06		0.90 ± 0.02	1.07 ± 0.05		0.93 ± 0.04	1.07 ± 0.08
park2	0.98 ± 0.02	1.11 ± 0.04	†	1.03 ± 0.03	1.02 ± 0.03	*	0.89 ± 0.05	1.02 ± 0.03	*†	0.96 ± 0.03	0.97 ± 0.03†
pbef1	0.97 ± 0.02	1.03 ± 0.03		0.99 ± 0.03	1.00 ± 0.04		1.00 ± 0.01	1.03 ± 0.01		1.03 ± 0.05	0.99 ± 0.02
pcm1	0.95 ± 0.01	1.02 ± 0.03		0.95 ± 0.02	1.03 ± 0.03		0.95 ± 0.02	1.02 ± 0.02		0.98 ± 0.03	0.98 ± 0.03
pdgfa	0.98 ± 0.04	1.17 ± 0.07		0.90 ± 0.05	1.09 ± 0.05		0.90 ± 0.03	1.11 ± 0.05		0.94 ± 0.02	1.10 ± 0.05
pdgfb	1.11 ± 0.25	1.25 ± 0.14		0.94 ± 0.05	0.89 ± 0.12		0.94 ± 0.09	0.86 ± 0.09	*	0.97 ± 0.03	0.73 ± 0.09
pdgfc	1.01 ± 0.30	0.83 ± 0.14		1.01 ± 0.15	1.14 ± 0.34		0.96 ± 0.14	0.86 ± 0.16	*	1.00 ± 0.08	1.55 ± 0.27
pgf	1.04 ± 0.03	0.90 ± 0.09		0.98 ± 0.03	0.97 ± 0.14		1.02 ± 0.03	1.02 ± 0.08		0.92 ± 0.03	0.90 ± 0.10
pglyrp1	0.89 ± 0.03	1.05 ± 0.02	†	0.95 ± 0.01	1.03 ± 0.02	*†	0.97 ± 0.01†	1.04 ± 0.01	*	0.96 ± 0.02	1.07 ± 0.02
pkcbpb15	1.00 ± 0.04	1.18 ± 0.08		0.97 ± 0.02	1.11 ± 0.07		0.95 ± 0.05	1.10 ± 0.05		1.00 ± 0.02	1.12 ± 0.08
pkd1	0.93 ± 0.02	1.00 ± 0.05		0.95 ± 0.02	1.00 ± 0.01	*	0.97 ± 0.02	1.12 ± 0.04	*	1.01 ± 0.02	1.06 ± 0.03
plagl1	1.00 ± 0.04	0.98 ± 0.08		1.06 ± 0.06	0.91 ± 0.06		1.04 ± 0.08	0.95 ± 0.10		1.02 ± 0.04	0.95 ± 0.06
plcb1	0.91 ± 0.13	1.09 ± 0.26		0.86 ± 0.12	1.41 ± 0.26		0.75 ± 0.09	1.53 ± 0.23		0.78 ± 0.20	1.15 ± 0.30
plk1	0.90 ± 0.06	1.18 ± 0.07		0.89 ± 0.03	1.02 ± 0.06		0.91 ± 0.07	1.09 ± 0.05		0.94 ± 0.05	1.05 ± 0.05
plk2	0.48 ± 0.02	1.68 ± 0.08		0.48 ± 0.02	1.68 ± 0.04		0.49 ± 0.03	1.67 ± 0.04		0.48 ± 0.02	1.71 ± 0.09
plk3	1.09 ± 0.06	1.05 ± 0.06		1.08 ± 0.06	0.95 ± 0.02		1.07 ± 0.13	0.91 ± 0.01		1.10 ± 0.04	0.92 ± 0.04
pmp22	1.43 ± 0.02	0.81 ± 0.04		1.41 ± 0.04	0.78 ± 0.03		1.43 ± 0.06	0.74 ± 0.01		1.45 ± 0.04	0.77 ± 0.04
ppm1g	0.77 ± 0.01	1.32 ± 0.08		0.74 ± 0.03	1.26 ± 0.02		0.72 ± 0.02	1.28 ± 0.02		0.75 ± 0.02	1.27 ± 0.02
ppp2ca	0.93 ± 0.03	1.08 ± 0.03		0.94 ± 0.02	1.05 ± 0.01		0.91 ± 0.02	1.07 ± 0.02		0.91 ± 0.04	1.08 ± 0.03
ppp3ca	0.81 ± 0.02	1.09 ± 0.04	*†	0.81 ± 0.02	1.23 ± 0.03†	*	0.88 ± 0.05	1.24 ± 0.04		0.82 ± 0.03	1.22 ± 0.06
ppp6c	1.12 ± 0.04	0.90 ± 0.04		1.09 ± 0.03	0.98 ± 0.04		1.07 ± 0.04	0.95 ± 0.04	†	1.00 ± 0.03	0.93 ± 0.04
prok1	0.94 ± 0.04	1.00 ± 0.03	*	1.06 ± 0.03	1.09 ± 0.03		0.97 ± 0.02	0.99 ± 0.04	*	0.97 ± 0.02	1.10 ± 0.02
psmd1	1.02 ± 0.01	1.02 ± 0.04		1.01 ± 0.02	0.96 ± 0.02		1.02 ± 0.03	0.97 ± 0.03		1.02 ± 0.04	0.97 ± 0.03
pten	0.86 ± 0.02	1.11 ± 0.07		0.83 ± 0.03	1.16 ± 0.05		0.93 ± 0.08	1.18 ± 0.03		0.80 ± 0.10	1.16 ± 0.07
ptgds	1.31 ± 0.10	0.99 ± 0.08		1.48 ± 0.17	0.89 ± 0.03	*	1.10 ± 0.10	0.81 ± 0.07		1.29 ± 0.13	0.83 ± 0.07
ptgs2	1.04 ± 0.05	1.03 ± 0.10		0.88 ± 0.02	0.99 ± 0.08		1.20 ± 0.12	0.98 ± 0.09		1.19 ± 0.16	1.28 ± 0.21
ptn	1.10 ± 0.03	0.86 ± 0.05		1.09 ± 0.03	0.90 ± 0.04		1.13 ± 0.04	0.86 ± 0.05		1.17 ± 0.03	0.93 ± 0.07
pttg1	1.08 ± 0.07	1.02 ± 0.05		0.95 ± 0.04	0.99 ± 0.05		1.01 ± 0.04	1.05 ± 0.03		0.97 ± 0.05	0.98 ± 0.06
rad50	0.80 ± 0.08	1.11 ± 0.05		0.95 ± 0.08	1.07 ± 0.06	†	1.01 ± 0.07	1.05 ± 0.08		0.85 ± 0.03	1.05 ± 0.05
rad9	0.91 ± 0.03	1.06 ± 0.06	†	1.05 ± 0.03†	1.04 ± 0.05		0.98 ± 0.05	1.05 ± 0.05		0.93 ± 0.03	0.98 ± 0.03
raf1	0.83 ± 0.02	1.13 ± 0.02		0.88 ± 0.03	1.14 ± 0.03		0.85 ± 0.02	1.12 ± 0.01		0.86 ± 0.03	1.16 ± 0.02
ran	1.06 ± 0.03	0.95 ± 0.03		1.04 ± 0.02	0.95 ± 0.03		1.04 ± 0.01	0.96 ± 0.02		1.04 ± 0.02	0.96 ± 0.01
rb1	0.99 ± 0.02	0.99 ± 0.02		1.03 ± 0.03	0.99 ± 0.05	*	1.06 ± 0.02	1.02 ± 0.01		0.99 ± 0.03	1.00 ± 0.03
rbl2	0.97 ± 0.02	0.98 ± 0.05		0.97 ± 0.02	1.02 ± 0.04		1.00 ± 0.02	1.00 ± 0.03		0.95 ± 0.04	0.99 ± 0.04
ret	1.13 ± 0.03	1.04 ± 0.08	*	1.03 ± 0.06	0.90 ± 0.05		1.07 ± 0.05	0.93 ± 0.05		1.02 ± 0.06	1.04 ± 0.05
rgs2	0.87 ± 0.04	1.18 ± 0.04		0.87 ± 0.03	1.22 ± 0.05		0.83 ± 0.04	1.20 ± 0.04		0.88 ± 0.04	1.20 ± 0.07
ros1	1.04 ± 0.11	1.00 ± 0.10		1.08 ± 0.11	0.93 ± 0.07		1.19 ± 0.12	0.95 ± 0.07		1.07 ± 0.10	1.01 ± 0.07
rps4x	0.96 ± 0.01	1.04 ± 0.03		0.97 ± 0.02	1.05 ± 0.02		0.98 ± 0.01	1.05 ± 0.02		0.97 ± 0.03	1.05 ± 0.03
s100a6	1.26 ± 0.07	0.94 ± 0.04	*	1.12 ± 0.04	0.88 ± 0.05	*	1.09 ± 0.04	0.91 ± 0.03	*	1.07 ± 0.05	0.83 ± 0.03
sfrs5	0.92 ± 0.05	1.02 ± 0.07		0.94 ± 0.02	1.17 ± 0.07	*	0.97 ± 0.03	1.16 ± 0.04	*	1.01 ± 0.04	1.18 ± 0.09
siah2	0.89 ± 0.05	1.12 ± 0.06		0.86 ± 0.07	1.01 ± 0.01		0.98 ± 0.06	1.04 ± 0.02		0.89 ± 0.02	1.03 ± 0.01
sirt2	0.89 ± 0.05	1.12 ± 0.10		0.92 ± 0.08	1.06 ± 0.07		0.88 ± 0.05	1.15 ± 0.07		0.90 ± 0.04	1.11 ± 0.05
slc12a4	1.07 ± 0.05	1.05 ± 0.06		1.01 ± 0.06	0.99 ± 0.02	*	0.95 ± 0.04	0.95 ± 0.02		1.06 ± 0.05	0.98 ± 0.04
snai1	0.97 ± 0.01	1.09 ± 0.03		0.97 ± 0.01	1.07 ± 0.01		0.94 ± 0.01	1.07 ± 0.02		0.95 ± 0.02	1.06 ± 0.02
socs1	1.02 ± 0.05	1.06 ± 0.04		1.02 ± 0.04	0.96 ± 0.04		0.95 ± 0.02	1.03 ± 0.05		1.00 ± 0.07	0.97 ± 0.04
spag5	1.11 ± 0.05	1.00 ± 0.06		1.03 ± 0.05	0.97 ± 0.03		1.03 ± 0.04	0.95 ± 0.03		1.17 ± 0.06	0.93 ± 0.02
src	0.89 ± 0.06	1.05 ± 0.03		0.94 ± 0.04	1.07 ± 0.04		0.96 ± 0.04	1.08 ± 0.03		0.88 ± 0.02	1.08 ± 0.03

Supplemental Table 1 (continued)											
stag3	1.10 ± 0.04	0.85 ± 0.06		1.16 ± 0.12	0.86 ± 0.06		1.07 ± 0.08	0.87 ± 0.06		1.17 ± 0.09	0.93 ± 0.03
stk6	0.96 ± 0.03	1.21 ± 0.09	*	0.80 ± 0.04	1.02 ± 0.05		0.88 ± 0.10	1.08 ± 0.05		0.92 ± 0.08	1.13 ± 0.08
tacc1a	0.99 ± 0.03	0.95 ± 0.05		1.05 ± 0.03	0.96 ± 0.03		1.04 ± 0.04	1.00 ± 0.03		1.02 ± 0.03	1.02 ± 0.04
tcf19	0.85 ± 0.03	1.09 ± 0.05		0.87 ± 0.02	1.14 ± 0.03		0.87 ± 0.01	1.13 ± 0.02		0.88 ± 0.02	1.13 ± 0.02
tgfa	1.00 ± 0.03	1.07 ± 0.04		0.97 ± 0.02	1.06 ± 0.02		1.04 ± 0.06	1.03 ± 0.02	*	0.91 ± 0.04	1.00 ± 0.01
tgfb1	0.99 ± 0.05	1.01 ± 0.05	*	1.16 ± 0.06	1.05 ± 0.05		0.99 ± 0.05	0.96 ± 0.05		0.92 ± 0.06	0.92 ± 0.04
tgfb2	0.87 ± 0.02	1.30 ± 0.07		0.88 ± 0.05	1.37 ± 0.05		0.89 ± 0.04	1.18 ± 0.05		0.79 ± 0.02	1.29 ± 0.04
tgfb3	0.77 ± 0.06	1.32 ± 0.13		0.85 ± 0.06	1.20 ± 0.06	†	0.90 ± 0.04	1.10 ± 0.05		0.76 ± 0.05	1.14 ± 0.09
thpo	0.87 ± 0.08	0.97 ± 0.05		0.94 ± 0.04	1.02 ± 0.03		0.86 ± 0.08	1.04 ± 0.05	*	0.98 ± 0.06	1.12 ± 0.04
thra	0.64 ± 0.03	1.91 ± 0.17	†	0.65 ± 0.04	1.52 ± 0.04†	†	0.66 ± 0.02	1.52 ± 0.06†	†	0.66 ± 0.03	1.51 ± 0.05†
tp53	0.93 ± 0.03	1.20 ± 0.04	*†	0.93 ± 0.02	1.03 ± 0.03†	*†	0.99 ± 0.03	0.97 ± 0.01†	†	1.08 ± 0.08	1.10 ± 0.03
trp63	0.83 ± 0.09	1.05 ± 0.10		1.02 ± 0.06	0.96 ± 0.09	†	1.06 ± 0.07	0.92 ± 0.05	†	1.03 ± 0.07	0.89 ± 0.08
tsc1	0.88 ± 0.08	1.01 ± 0.06		1.00 ± 0.10	1.10 ± 0.05		0.97 ± 0.09	0.92 ± 0.06		0.93 ± 0.07	1.07 ± 0.08
tsc2	0.87 ± 0.01	1.18 ± 0.09		0.87 ± 0.04	1.04 ± 0.04		0.89 ± 0.05	1.07 ± 0.02		0.89 ± 0.03	1.06 ± 0.02
ube1c	0.99 ± 0.03	0.97 ± 0.05		0.97 ± 0.03	1.04 ± 0.01		0.99 ± 0.01	1.04 ± 0.01		0.97 ± 0.04	1.04 ± 0.02
uchl1	0.94 ± 0.05	1.03 ± 0.09		1.04 ± 0.04	0.98 ± 0.05		1.03 ± 0.03	1.00 ± 0.05		1.02 ± 0.03	1.01 ± 0.06
uchl3	1.12 ± 0.02	0.88 ± 0.02		1.14 ± 0.03	0.90 ± 0.02		1.13 ± 0.03	0.91 ± 0.02		1.14 ± 0.02	0.88 ± 0.01
vav1	0.92 ± 0.11	0.98 ± 0.16		1.03 ± 0.08	1.01 ± 0.14		1.16 ± 0.16	1.11 ± 0.15		1.00 ± 0.14	0.73 ± 0.11
vegf	0.95 ± 0.03	1.02 ± 0.02		0.93 ± 0.02	1.04 ± 0.02		0.95 ± 0.02	1.04 ± 0.02		0.99 ± 0.01	1.05 ± 0.03
vegfb	1.23 ± 0.03	1.03 ± 0.06	*	1.09 ± 0.02	0.93 ± 0.02	*	1.12 ± 0.04	0.92 ± 0.03	*	1.04 ± 0.11	0.89 ± 0.02
vegfc	1.00 ± 0.02	1.13 ± 0.04		0.96 ± 0.02	1.07 ± 0.03	*	0.96 ± 0.02	1.02 ± 0.02	*†	0.97 ± 0.02	1.00 ± 0.01†
vhl	1.04 ± 0.02	1.00 ± 0.02		1.04 ± 0.02	0.98 ± 0.01		1.02 ± 0.04	0.96 ± 0.02		1.07 ± 0.04	0.99 ± 0.02
wt1	0.86 ± 0.13	0.81 ± 0.17	*	1.05 ± 0.17	1.60 ± 0.07		0.87 ± 0.11	0.88 ± 0.11	*†	0.92 ± 0.07	1.46 ± 0.11†

Normalized expression ratios are given as mean ± SE obtained from five animals in each group, with the sample from each animal run on a separate array. CPF1 = 1 mg/kg chlorpyrifos; DZN1 = 1 mg/kg diazinon; DZN2 = 2 mg/kg diazinon. Several of the values reported in this table have appeared in previous studies of other gene groupings [2,7-9].

*Significant main treatment effect in two-factor ANOVA (treatment, region).

†Interaction of treatment × region; then, † denotes significant treatment effect for a given region.

Global statistical analysis of Table 1: ANOVA factors of treatment, gene, region[§]

All treatments: treatment × gene $p < 0.0001$; treatment × gene × region, $p < 0.0001$
brainstem: treatment × gene, $p < 0.0001$
forebrain: treatment × gene, $p < 0.0001$
Control vs. CPF1: treatment × gene, $p < 0.0001$; treatment × gene × region, $p < 0.002$
brainstem: treatment × gene, $p < 0.001$
forebrain: treatment × gene, $p < 0.0001$
Control vs. DZN1: treatment × gene, $p < 0.0001$; treatment × gene × region, $p < 0.002$
brainstem: treatment × gene, $p < 0.0001$
forebrain: treatment × gene, $p < 0.0001$
Control vs. DZN2: treatment × gene, $p < 0.0001$; treatment × gene × region, $p < 0.0001$
brainstem: treatment × gene, $p < 0.0004$
forebrain: treatment × gene, $p < 0.0001$

[§]results shown include only treatment effects and interactions of treatment with other variables

Supplemental Table 2. Apoptosis Genes In Vivo

Gene	Control			CPF1			DZN1			DZN2	
	brainstem	forebrain		brainstem	forebrain		brainstem	forebrain		brainstem	forebrain
aatf	1.02 ± 0.02	1.04 ± 0.05		0.96 ± 0.02	1.01 ± 0.02		1.03 ± 0.03	1.02 ± 0.02		0.95 ± 0.03	1.02 ± 0.04
aatk	0.90 ± 0.07	0.82 ± 0.06	*	1.00 ± 0.08	1.10 ± 0.09	*	1.16 ± 0.08	1.05 ± 0.08	*	1.03 ± 0.09	1.00 ± 0.07
accn1	0.98 ± 0.06	1.02 ± 0.05		1.00 ± 0.03	1.01 ± 0.02		1.02 ± 0.03	1.01 ± 0.03		0.96 ± 0.03	1.01 ± 0.04
adam17	1.12 ± 0.07	1.08 ± 0.07	*	0.91 ± 0.03	0.95 ± 0.04		1.04 ± 0.04	1.00 ± 0.04		1.08 ± 0.09	0.98 ± 0.09
ahr	0.71 ± 0.07	1.01 ± 0.08		1.01 ± 0.06	1.13 ± 0.04		0.82 ± 0.08	0.97 ± 0.05	*	0.93 ± 0.09	1.20 ± 0.08
aipl1	1.00 ± 0.04	0.94 ± 0.04		1.04 ± 0.03	1.00 ± 0.04		1.08 ± 0.04	0.98 ± 0.03		0.99 ± 0.01	0.99 ± 0.01
akt1	0.68 ± 0.03	1.58 ± 0.16		0.66 ± 0.05	1.35 ± 0.03		0.66 ± 0.04	1.44 ± 0.06		0.69 ± 0.02	1.39 ± 0.05
alox15	1.08 ± 0.05	0.96 ± 0.05		1.09 ± 0.08	0.97 ± 0.06		1.00 ± 0.08	0.93 ± 0.12		0.98 ± 0.07	0.87 ± 0.05
amid	1.12 ± 0.05	0.95 ± 0.07		1.13 ± 0.09	0.99 ± 0.03		1.01 ± 0.08	1.02 ± 0.08		1.01 ± 0.06	1.00 ± 0.04
amigo2	1.08 ± 0.03	0.92 ± 0.04	*	1.03 ± 0.01	0.82 ± 0.02		1.04 ± 0.04	0.86 ± 0.01		1.11 ± 0.05	0.90 ± 0.05
apaf1	0.92 ± 0.03	1.08 ± 0.02		0.98 ± 0.02	1.09 ± 0.05		0.92 ± 0.02	1.05 ± 0.02		0.96 ± 0.02	1.05 ± 0.03
apbb2	0.94 ± 0.06	1.17 ± 0.08		0.85 ± 0.04	1.13 ± 0.06		0.90 ± 0.03	1.10 ± 0.03		0.92 ± 0.04	1.10 ± 0.07
apbb3	0.87 ± 0.06	1.16 ± 0.07		0.85 ± 0.02	1.11 ± 0.04	*	0.79 ± 0.01	1.04 ± 0.04		0.92 ± 0.06	1.13 ± 0.04
api2	0.87 ± 0.03	1.10 ± 0.04		0.90 ± 0.03	1.09 ± 0.04		0.90 ± 0.03	1.11 ± 0.03	*	0.93 ± 0.05	1.20 ± 0.02
api5	0.88 ± 0.03	1.06 ± 0.06		0.91 ± 0.03	1.07 ± 0.05		0.95 ± 0.05	1.06 ± 0.04		0.92 ± 0.03	1.09 ± 0.04
aplp1	0.79 ± 0.04	1.31 ± 0.14		0.86 ± 0.04	1.25 ± 0.06		0.86 ± 0.02	1.21 ± 0.04		0.86 ± 0.03	1.24 ± 0.07
apoe	1.23 ± 0.04	0.80 ± 0.07	*	1.10 ± 0.06	0.72 ± 0.02		1.16 ± 0.04	0.70 ± 0.01	*	1.17 ± 0.06	0.67 ± 0.02
app	1.04 ± 0.03	0.95 ± 0.04		1.06 ± 0.05	0.94 ± 0.03		1.05 ± 0.03	0.93 ± 0.02		1.06 ± 0.01	0.95 ± 0.03
appbp1	1.06 ± 0.04	0.89 ± 0.01		1.10 ± 0.02	0.92 ± 0.03		1.08 ± 0.03	0.90 ± 0.03		1.10 ± 0.03	0.91 ± 0.01
atm	1.10 ± 0.12	1.08 ± 0.04		0.89 ± 0.08	0.99 ± 0.08		1.12 ± 0.06	1.03 ± 0.04	*	0.80 ± 0.05	0.86 ± 0.04
aven	1.06 ± 0.01	1.04 ± 0.03	*	1.02 ± 0.02	0.99 ± 0.02	*	0.96 ± 0.03	1.00 ± 0.01	*	0.98 ± 0.03	0.96 ± 0.03
axud1	1.06 ± 0.07	1.04 ± 0.07	†	1.17 ± 0.02	0.91 ± 0.03		1.06 ± 0.08	0.98 ± 0.05		1.06 ± 0.03	0.93 ± 0.04
bad	0.88 ± 0.02	1.15 ± 0.05		0.92 ± 0.02	1.11 ± 0.05		0.87 ± 0.02	1.09 ± 0.03		0.95 ± 0.03	1.10 ± 0.02
bat3	0.85 ± 0.02	1.42 ± 0.10		0.85 ± 0.05	1.22 ± 0.04		0.83 ± 0.03	1.25 ± 0.02	*	0.82 ± 0.03	1.24 ± 0.04
bax	0.92 ± 0.01	1.10 ± 0.03		0.94 ± 0.01	1.07 ± 0.02		0.91 ± 0.02	1.05 ± 0.02	*	0.88 ± 0.03	1.02 ± 0.01
bbc3	0.87 ± 0.06	1.10 ± 0.02		0.89 ± 0.03	1.13 ± 0.03		0.88 ± 0.02	1.10 ± 0.02		0.90 ± 0.03	1.16 ± 0.07
bcl10	0.95 ± 0.02	1.02 ± 0.02		0.94 ± 0.01	1.03 ± 0.03	*	1.04 ± 0.04	1.05 ± 0.02		0.99 ± 0.03	1.06 ± 0.03
bcl2	0.96 ± 0.04	0.99 ± 0.05		1.03 ± 0.02	1.01 ± 0.07		0.94 ± 0.03	1.00 ± 0.05		0.99 ± 0.03	1.06 ± 0.01
bcl2a1	1.14 ± 0.08	0.92 ± 0.05		1.20 ± 0.03	0.84 ± 0.03		1.21 ± 0.11	0.98 ± 0.07		1.14 ± 0.08	0.81 ± 0.07
bcl2l1	1.14 ± 0.09	1.12 ± 0.04	*	0.96 ± 0.07	0.95 ± 0.06	*	0.96 ± 0.04	1.04 ± 0.09	*	1.02 ± 0.04	1.00 ± 0.07
bcl2l10	0.98 ± 0.01	1.00 ± 0.02	†	1.03 ± 0.01†	0.98 ± 0.02		1.02 ± 0.02	0.99 ± 0.01		0.99 ± 0.01	1.00 ± 0.03
bcl2l11	0.95 ± 0.12	1.04 ± 0.15		1.06 ± 0.18	1.27 ± 0.15		0.78 ± 0.10	1.14 ± 0.16		0.67 ± 0.07	1.11 ± 0.14
bcl2l13	0.94 ± 0.06	1.05 ± 0.04		0.97 ± 0.03	1.09 ± 0.04		0.90 ± 0.05	1.19 ± 0.07		0.99 ± 0.05	1.09 ± 0.08
bdnf	1.56 ± 0.09	0.78 ± 0.04		1.57 ± 0.09	0.79 ± 0.04		1.48 ± 0.10	0.78 ± 0.06		1.52 ± 0.06	0.75 ± 0.03
bfar	1.01 ± 0.06	0.94 ± 0.02		1.01 ± 0.07	1.00 ± 0.06	*	1.07 ± 0.03	1.04 ± 0.06		0.96 ± 0.06	0.99 ± 0.05
bid	0.89 ± 0.04	1.18 ± 0.04		1.00 ± 0.11	1.08 ± 0.04		0.99 ± 0.06	1.08 ± 0.08		0.88 ± 0.07	1.11 ± 0.05
bid3	1.00 ± 0.03	0.97 ± 0.05		1.06 ± 0.03	0.96 ± 0.04		1.03 ± 0.05	0.96 ± 0.02		1.04 ± 0.04	0.96 ± 0.01
biklk	1.10 ± 0.03	0.92 ± 0.07		1.03 ± 0.05	0.94 ± 0.03		1.04 ± 0.03	0.86 ± 0.01		0.96 ± 0.06	0.91 ± 0.04
birc1b	1.28 ± 0.10	1.05 ± 0.19	*	1.07 ± 0.08	0.66 ± 0.10	*	0.90 ± 0.07	0.84 ± 0.10	*	1.11 ± 0.17	0.83 ± 0.08
birc3	1.16 ± 0.10	0.89 ± 0.06	*	1.39 ± 0.04	1.03 ± 0.04	*	0.82 ± 0.15	0.82 ± 0.08		1.20 ± 0.18	0.90 ± 0.11
birc4	0.96 ± 0.02	0.94 ± 0.09	*	1.20 ± 0.08	0.95 ± 0.04		1.23 ± 0.10	1.03 ± 0.06		1.02 ± 0.11	1.01 ± 0.11
birc5	1.12 ± 0.06	0.93 ± 0.04		1.07 ± 0.04	0.91 ± 0.05		1.09 ± 0.04	0.93 ± 0.02		1.15 ± 0.05	0.93 ± 0.04
bmf	1.17 ± 0.06	0.99 ± 0.07		1.02 ± 0.06	0.90 ± 0.10	*	1.14 ± 0.08	0.82 ± 0.04	†	1.26 ± 0.12	0.82 ± 0.04†
bnip1	1.05 ± 0.05	0.95 ± 0.02		1.06 ± 0.05	1.03 ± 0.02		1.07 ± 0.06	0.96 ± 0.02		1.02 ± 0.03	0.96 ± 0.03
bnip3	1.21 ± 0.04	0.79 ± 0.04		1.26 ± 0.02	0.80 ± 0.03		1.22 ± 0.03	0.81 ± 0.02		1.23 ± 0.06	0.81 ± 0.03
bok	0.84 ± 0.07	1.00 ± 0.05		0.88 ± 0.05	0.99 ± 0.07	*	0.96 ± 0.04	1.09 ± 0.01		0.96 ± 0.04	1.03 ± 0.01
brca1	0.66 ± 0.10	0.81 ± 0.18		0.75 ± 0.15	0.77 ± 0.12	*	1.04 ± 0.12	1.45 ± 0.23	*	1.05 ± 0.07	1.42 ± 0.20
btbd14b	0.97 ± 0.19	1.30 ± 0.09		0.67 ± 0.12	1.13 ± 0.20		0.94 ± 0.09	1.05 ± 0.28		0.85 ± 0.12	1.05 ± 0.14
btg1	0.77 ± 0.03	1.11 ± 0.04		0.76 ± 0.02	1.11 ± 0.04		0.78 ± 0.03	1.11 ± 0.03		0.76 ± 0.04	1.10 ± 0.02
c9	1.00 ± 0.07	0.96 ± 0.05		1.04 ± 0.05	0.92 ± 0.02		1.10 ± 0.04	0.96 ± 0.03		0.98 ± 0.02	1.00 ± 0.02
casp1	1.22 ± 0.08	0.89 ± 0.09		1.31 ± 0.05	0.76 ± 0.09		1.01 ± 0.09	0.86 ± 0.07		1.13 ± 0.10	0.76 ± 0.05
casp12	1.04 ± 0.04	0.90 ± 0.02	†	1.17 ± 0.04†	0.89 ± 0.02	*	1.09 ± 0.05	1.01 ± 0.05	†	1.20 ± 0.06†	0.85 ± 0.02
casp2	0.83 ± 0.02	1.07 ± 0.03		0.85 ± 0.03	1.08 ± 0.01		0.85 ± 0.02	1.05 ± 0.02		0.85 ± 0.02	1.05 ± 0.02
casp3	0.83 ± 0.03	1.35 ± 0.02		0.84 ± 0.04	1.39 ± 0.07		0.85 ± 0.04	1.25 ± 0.06		0.87 ± 0.06	1.26 ± 0.08
casp4	1.39 ± 0.04	0.82 ± 0.04		1.32 ± 0.04	0.84 ± 0.03	*	1.16 ± 0.05	0.76 ± 0.04		1.28 ± 0.04	0.79 ± 0.03

Supplemental Table 2 (continued)											
casp6	1.35 ± 0.12	0.88 ± 0.03		1.20 ± 0.06	0.87 ± 0.04		1.22 ± 0.05	0.88 ± 0.03		1.29 ± 0.07	0.86 ± 0.01
casp7	1.25 ± 0.04	0.82 ± 0.02		1.25 ± 0.04	0.75 ± 0.02		1.25 ± 0.04	0.79 ± 0.02		1.27 ± 0.05	0.78 ± 0.02
casp8	1.34 ± 0.21	0.89 ± 0.09		0.94 ± 0.07	0.93 ± 0.08		1.05 ± 0.08	0.89 ± 0.06		1.24 ± 0.17	0.89 ± 0.10
casp9	0.84 ± 0.01	1.01 ± 0.03	†	1.04 ± 0.02†	0.87 ± 0.09	†	1.02 ± 0.05†	0.97 ± 0.02	†	1.07 ± 0.02†	0.90 ± 0.04
cbl27	0.95 ± 0.04	1.01 ± 0.02		0.92 ± 0.02	1.02 ± 0.03		0.98 ± 0.04	1.04 ± 0.01		0.93 ± 0.04	1.04 ± 0.02
cd2	1.00 ± 0.13	1.49 ± 0.17		1.01 ± 0.16	1.10 ± 0.15	*†	0.95 ± 0.03	0.70 ± 0.12†		0.80 ± 0.11	1.20 ± 0.12
cd28	1.35 ± 0.29	0.83 ± 0.19		0.90 ± 0.11	0.66 ± 0.11		0.97 ± 0.06	1.21 ± 0.29		0.97 ± 0.19	1.14 ± 0.19
cd5l	1.12 ± 0.19	0.90 ± 0.17		1.27 ± 0.31	1.21 ± 0.18		0.73 ± 0.17	1.12 ± 0.21		0.87 ± 0.13	1.02 ± 0.10
cdkn1a	1.23 ± 0.14	0.86 ± 0.07	†	0.94 ± 0.06†	1.16 ± 0.09†		1.17 ± 0.08	1.01 ± 0.14	†	0.99 ± 0.07	0.92 ± 0.04
cebpb	0.98 ± 0.15	0.92 ± 0.20		1.02 ± 0.22	0.94 ± 0.11		1.09 ± 0.17	1.07 ± 0.09		1.03 ± 0.19	1.00 ± 0.11
cflar	1.00 ± 0.03	1.07 ± 0.03	*	0.89 ± 0.03	1.00 ± 0.02		0.97 ± 0.03	1.09 ± 0.02	*	0.93 ± 0.01	1.02 ± 0.03
cipar1	1.39 ± 0.02	0.74 ± 0.03		1.34 ± 0.06	0.78 ± 0.04	†	1.26 ± 0.02†	0.80 ± 0.02	†	1.29 ± 0.04	0.81 ± 0.04
col18a1	1.01 ± 0.01	1.04 ± 0.03		1.00 ± 0.04	0.98 ± 0.01	*	0.96 ± 0.02	0.97 ± 0.02		1.01 ± 0.02	0.96 ± 0.05
creb1	1.01 ± 0.07	1.19 ± 0.07		0.94 ± 0.03	1.10 ± 0.06	*	0.79 ± 0.04	1.10 ± 0.04	*	0.78 ± 0.03	1.06 ± 0.06
cse1l	1.04 ± 0.04	0.92 ± 0.04		1.04 ± 0.02	0.96 ± 0.04		1.03 ± 0.03	0.88 ± 0.02		1.08 ± 0.03	0.94 ± 0.04
cstb	1.26 ± 0.05	0.94 ± 0.02		1.25 ± 0.06	0.94 ± 0.01		1.22 ± 0.03	0.94 ± 0.02	*	1.17 ± 0.04	0.91 ± 0.02
cugbp2	0.64 ± 0.01	1.38 ± 0.06		0.64 ± 0.03	1.36 ± 0.02	†	0.69 ± 0.01†	1.35 ± 0.02		0.68 ± 0.04	1.36 ± 0.04
dad1	1.04 ± 0.03	0.85 ± 0.01		1.07 ± 0.02	0.86 ± 0.02		1.11 ± 0.03	0.85 ± 0.01		1.06 ± 0.03	0.86 ± 0.02
dap	1.02 ± 0.07	1.05 ± 0.03		1.08 ± 0.03	0.98 ± 0.03	*	0.94 ± 0.04	0.95 ± 0.02	*	0.94 ± 0.03	0.97 ± 0.04
dapkl	0.88 ± 0.02	1.37 ± 0.05	†	0.91 ± 0.05	1.15 ± 0.07†		0.88 ± 0.05	1.24 ± 0.05	*†	0.91 ± 0.01	1.12 ± 0.08†
daxx	0.89 ± 0.02	1.16 ± 0.03		0.89 ± 0.01	1.09 ± 0.02		0.89 ± 0.01	1.12 ± 0.03		0.88 ± 0.03	1.12 ± 0.04
dcc	1.28 ± 0.10	0.87 ± 0.05	†	1.02 ± 0.02†	0.98 ± 0.05		1.28 ± 0.04	1.04 ± 0.11	*†	0.93 ± 0.11†	0.85 ± 0.03
ddit3	1.64 ± 0.08	0.64 ± 0.02		1.58 ± 0.03	0.69 ± 0.03		1.49 ± 0.06	0.68 ± 0.04		1.51 ± 0.04	0.64 ± 0.02
dedd	0.96 ± 0.04	1.15 ± 0.08		1.00 ± 0.05	1.01 ± 0.08		0.95 ± 0.01	1.00 ± 0.04		1.01 ± 0.04	1.06 ± 0.03
dffa	1.00 ± 0.01	0.97 ± 0.02	*	1.07 ± 0.01	0.99 ± 0.02		1.04 ± 0.02	0.99 ± 0.02		1.04 ± 0.01	0.95 ± 0.02
dffb	1.15 ± 0.07	0.94 ± 0.07		1.20 ± 0.16	1.02 ± 0.08	*	0.76 ± 0.14	0.77 ± 0.05		0.96 ± 0.09	0.95 ± 0.07
dnajb9	1.08 ± 0.03	0.95 ± 0.03		1.09 ± 0.02	0.93 ± 0.01	*	0.99 ± 0.02	0.86 ± 0.03		1.05 ± 0.03	0.90 ± 0.03
dnase1	1.00 ± 0.05	1.02 ± 0.06		0.99 ± 0.04	1.06 ± 0.08		0.98 ± 0.05	0.99 ± 0.04		1.02 ± 0.02	1.05 ± 0.06
dnase1l3	1.05 ± 0.06	0.92 ± 0.05	*	1.08 ± 0.03	1.04 ± 0.04		1.02 ± 0.06	0.90 ± 0.07		1.02 ± 0.09	0.93 ± 0.03
dnase2	1.06 ± 0.03	1.05 ± 0.03		1.09 ± 0.06	0.84 ± 0.06		1.06 ± 0.02	0.92 ± 0.02	†	1.07 ± 0.03	0.91 ± 0.03†
dnm2	0.93 ± 0.10	1.14 ± 0.11		0.91 ± 0.07	1.06 ± 0.04		0.98 ± 0.07	1.04 ± 0.05		0.95 ± 0.04	1.07 ± 0.08
dpf2	0.93 ± 0.02	1.10 ± 0.03		0.92 ± 0.02	1.08 ± 0.02		0.92 ± 0.01	1.08 ± 0.03		0.93 ± 0.01	1.11 ± 0.01
dustypk	0.89 ± 0.02	1.08 ± 0.07		0.89 ± 0.08	0.98 ± 0.03		1.09 ± 0.08	1.07 ± 0.07	*	0.95 ± 0.06	1.27 ± 0.04
eaf2	1.00 ± 0.12	0.97 ± 0.17		1.02 ± 0.15	1.45 ± 0.15		0.87 ± 0.10	0.76 ± 0.09		0.95 ± 0.06	1.03 ± 0.37
egln3	0.85 ± 0.02	1.22 ± 0.03		0.85 ± 0.02	1.19 ± 0.02	*	0.82 ± 0.03	1.14 ± 0.02	*	0.80 ± 0.02	1.16 ± 0.02
ets1	0.97 ± 0.04	1.05 ± 0.04		0.88 ± 0.01	1.06 ± 0.03		0.92 ± 0.02	1.08 ± 0.01		0.91 ± 0.01	1.07 ± 0.03
fadd	1.17 ± 0.06	0.99 ± 0.14		1.04 ± 0.07	0.96 ± 0.02		1.03 ± 0.04	0.96 ± 0.06		0.97 ± 0.08	0.93 ± 0.02
faf1	0.87 ± 0.03	1.15 ± 0.04		0.88 ± 0.02	1.05 ± 0.02		0.85 ± 0.04	1.14 ± 0.02		0.87 ± 0.02	1.13 ± 0.05
faim	0.98 ± 0.02	1.01 ± 0.02		0.98 ± 0.03	1.00 ± 0.02		1.04 ± 0.02	1.00 ± 0.01	†	1.07 ± 0.03†	0.97 ± 0.04
faim2	1.01 ± 0.04	1.00 ± 0.03		1.01 ± 0.05	0.98 ± 0.04		1.05 ± 0.03	1.01 ± 0.05		0.97 ± 0.02	0.99 ± 0.04
g6pdx	0.96 ± 0.02	1.03 ± 0.02		0.99 ± 0.01	1.02 ± 0.02		1.03 ± 0.04	1.06 ± 0.03		0.99 ± 0.02	1.06 ± 0.02
gapd	1.00 ± 0.04	1.05 ± 0.05		1.02 ± 0.04	1.01 ± 0.02		1.03 ± 0.03	1.02 ± 0.02		1.00 ± 0.03	1.03 ± 0.04
gch	1.35 ± 0.13	0.67 ± 0.08		1.41 ± 0.11	0.67 ± 0.05		1.39 ± 0.11	0.58 ± 0.05	*	1.25 ± 0.08	0.48 ± 0.06
gjb6	1.43 ± 0.08	0.80 ± 0.02		1.71 ± 0.22	0.79 ± 0.05		1.36 ± 0.12	0.73 ± 0.04	†	1.56 ± 0.07	0.69 ± 0.04†
gnaq	0.89 ± 0.07	1.18 ± 0.09		0.90 ± 0.05	1.14 ± 0.06		0.94 ± 0.08	1.18 ± 0.08		0.81 ± 0.04	1.07 ± 0.04
gnrh1	1.14 ± 0.02	0.96 ± 0.03		1.06 ± 0.06	1.00 ± 0.06	†	1.00 ± 0.05†	0.97 ± 0.01		1.18 ± 0.09	0.97 ± 0.04
gpx1	1.15 ± 0.03	0.94 ± 0.03		1.12 ± 0.03	0.94 ± 0.02	*	1.07 ± 0.04	0.91 ± 0.01		1.10 ± 0.02	0.94 ± 0.01
gsk3b	0.84 ± 0.05	1.31 ± 0.10		0.79 ± 0.03	1.19 ± 0.07		0.87 ± 0.03	1.28 ± 0.06		0.81 ± 0.08	1.17 ± 0.05
gspt1	0.97 ± 0.02	1.06 ± 0.02		0.96 ± 0.02	1.02 ± 0.02		0.95 ± 0.03	1.04 ± 0.02		0.94 ± 0.02	1.05 ± 0.03
gzma	1.02 ± 0.04	1.09 ± 0.15		1.12 ± 0.06	0.92 ± 0.06		0.96 ± 0.06	0.96 ± 0.05		1.03 ± 0.05	0.89 ± 0.01
gzmb	1.04 ± 0.07	0.98 ± 0.06		0.98 ± 0.03	0.94 ± 0.04		1.06 ± 0.04	0.98 ± 0.01		0.92 ± 0.06	1.01 ± 0.05
hdh	1.05 ± 0.07	1.03 ± 0.12		0.99 ± 0.08	1.09 ± 0.06	†	0.83 ± 0.06†	1.19 ± 0.07	†	0.85 ± 0.04†	1.17 ± 0.10
hip1	0.82 ± 0.04	1.35 ± 0.11		0.86 ± 0.05	1.40 ± 0.11		0.82 ± 0.02	1.29 ± 0.03		0.81 ± 0.03	1.32 ± 0.10
hmox1	1.02 ± 0.02	0.94 ± 0.02		1.03 ± 0.02	1.01 ± 0.02		1.04 ± 0.03	0.98 ± 0.03		1.01 ± 0.02	0.95 ± 0.02
hrpap20	1.12 ± 0.02	0.89 ± 0.02	†	1.05 ± 0.02†	0.91 ± 0.01		1.12 ± 0.03	0.91 ± 0.03		1.12 ± 0.02	0.90 ± 0.02
hspa1a	1.24 ± 0.04	0.73 ± 0.04		1.26 ± 0.03	0.72 ± 0.02		1.23 ± 0.04	0.70 ± 0.03		1.20 ± 0.03	0.68 ± 0.03
igf1	1.43 ± 0.03	0.65 ± 0.02	*	1.30 ± 0.05	0.59 ± 0.02	†	1.45 ± 0.03	0.56 ± 0.02†	*	1.32 ± 0.05	0.56 ± 0.02
igfbp3	0.98 ± 0.05	0.97 ± 0.02	†	0.96 ± 0.03	1.14 ± 0.05†		0.99 ± 0.07	1.04 ± 0.03		0.91 ± 0.06	1.02 ± 0.04

Supplemental Table 2 (continued)												
il10	1.02 ± 0.07	0.91 ± 0.07		1.01 ± 0.07	0.87 ± 0.08		1.05 ± 0.05	0.93 ± 0.05		1.09 ± 0.02	0.82 ± 0.03
il18	1.20 ± 0.11	0.87 ± 0.19		0.96 ± 0.12	0.90 ± 0.06		1.14 ± 0.06	0.89 ± 0.06		1.13 ± 0.05	0.83 ± 0.04
inha	1.05 ± 0.03	0.94 ± 0.04		1.05 ± 0.03	0.91 ± 0.04		1.06 ± 0.05	0.92 ± 0.04		1.04 ± 0.04	0.93 ± 0.04
ins2	0.91 ± 0.04	0.98 ± 0.06	*	1.05 ± 0.03	1.00 ± 0.04	*	1.06 ± 0.05	1.09 ± 0.06		1.01 ± 0.04	1.03 ± 0.04
jak2	0.90 ± 0.03	1.14 ± 0.04		0.89 ± 0.02	1.16 ± 0.05		0.91 ± 0.03	1.11 ± 0.06		0.88 ± 0.01	1.17 ± 0.04
lcn2	1.22 ± 0.21	1.80 ± 0.28	*	0.94 ± 0.11	0.72 ± 0.10		1.21 ± 0.31	1.14 ± 0.17	*†	1.20 ± 0.14	0.72 ± 0.09†
lgals7	0.92 ± 0.05	0.91 ± 0.05	*	1.00 ± 0.09	1.07 ± 0.06	*	1.14 ± 0.06	0.99 ± 0.02	*	1.10 ± 0.03	0.95 ± 0.03
loc170824	0.88 ± 0.05	1.05 ± 0.14		0.96 ± 0.06	1.07 ± 0.07		1.02 ± 0.03	1.10 ± 0.10		1.02 ± 0.02	1.13 ± 0.01
loc246143	0.99 ± 0.03	1.02 ± 0.03		1.01 ± 0.01	0.96 ± 0.04		0.99 ± 0.03	1.01 ± 0.04		0.99 ± 0.03	0.99 ± 0.03
loc292624	0.73 ± 0.03	1.24 ± 0.10		0.72 ± 0.03	1.14 ± 0.03		0.69 ± 0.01	1.09 ± 0.04		0.74 ± 0.01	1.04 ± 0.02
loc64171	1.12 ± 0.06	0.99 ± 0.05	*	0.96 ± 0.04	0.86 ± 0.04		1.16 ± 0.06	0.94 ± 0.04	*	0.96 ± 0.05	0.94 ± 0.04
madd	0.84 ± 0.03	1.20 ± 0.10		0.87 ± 0.05	1.10 ± 0.04		0.87 ± 0.05	1.08 ± 0.04		0.90 ± 0.04	1.12 ± 0.03
map3k6	1.46 ± 0.10	0.69 ± 0.05		1.47 ± 0.08	0.70 ± 0.02		1.50 ± 0.10	0.71 ± 0.03		1.39 ± 0.05	0.73 ± 0.03
mapk8ip	1.02 ± 0.03	0.96 ± 0.01		1.01 ± 0.01	0.98 ± 0.02	*	1.07 ± 0.02	1.00 ± 0.01		1.00 ± 0.04	0.97 ± 0.02
mcl1	0.79 ± 0.03	1.19 ± 0.03		0.78 ± 0.03	1.20 ± 0.02		0.75 ± 0.02	1.15 ± 0.03		0.81 ± 0.05	1.19 ± 0.02
mitf	1.57 ± 0.05	0.94 ± 0.07	*†	1.00 ± 0.14†	0.88 ± 0.09	†	1.03 ± 0.15†	1.01 ± 0.09	*†	0.98 ± 0.13†	0.90 ± 0.08
mlh1	0.93 ± 0.05	1.15 ± 0.06		1.01 ± 0.04	1.11 ± 0.06		0.88 ± 0.05	1.02 ± 0.04		0.93 ± 0.03	1.02 ± 0.06
moap1	1.12 ± 0.03	0.94 ± 0.02		1.12 ± 0.02	0.94 ± 0.01		1.10 ± 0.04	0.94 ± 0.01		1.13 ± 0.05	0.96 ± 0.03
myc	0.79 ± 0.04	1.19 ± 0.01		0.81 ± 0.03	1.22 ± 0.03		0.82 ± 0.04	1.18 ± 0.04		0.81 ± 0.04	1.18 ± 0.04
mycs	0.97 ± 0.03	1.03 ± 0.05		1.03 ± 0.05	1.03 ± 0.05		1.00 ± 0.02	0.98 ± 0.02		1.04 ± 0.03	0.98 ± 0.03
nalp1	0.96 ± 0.04	1.08 ± 0.04		0.95 ± 0.03	1.05 ± 0.02		0.96 ± 0.03	1.02 ± 0.04		0.98 ± 0.02	1.07 ± 0.02
nalp10	1.25 ± 0.08	0.77 ± 0.11	†	0.95 ± 0.08†	1.15 ± 0.10†	†	0.95 ± 0.08†	1.01 ± 0.12	†	0.82 ± 0.06†	1.07 ± 0.09†
nalp14	1.02 ± 0.03	1.04 ± 0.17		1.14 ± 0.07	0.96 ± 0.09	†	1.37 ± 0.05†	0.88 ± 0.05		1.05 ± 0.07	0.90 ± 0.05
nfkb1	1.24 ± 0.07	0.90 ± 0.03		1.18 ± 0.06	0.87 ± 0.02		1.17 ± 0.01	0.90 ± 0.03		1.14 ± 0.04	0.89 ± 0.02
ngfr	1.15 ± 0.06	0.83 ± 0.06		1.10 ± 0.07	0.94 ± 0.06		1.06 ± 0.05	0.90 ± 0.04		1.09 ± 0.04	0.89 ± 0.04
ngfrap1	1.01 ± 0.02	1.00 ± 0.06		1.02 ± 0.01	0.94 ± 0.03		1.03 ± 0.02	0.96 ± 0.04		1.05 ± 0.03	0.96 ± 0.04
nol3	1.49 ± 0.06	0.67 ± 0.03	*	1.35 ± 0.04	0.61 ± 0.02		1.42 ± 0.03	0.67 ± 0.02		1.52 ± 0.08	0.66 ± 0.03
notch1	1.36 ± 0.14	0.78 ± 0.05		1.45 ± 0.12	0.82 ± 0.06		1.58 ± 0.11	0.81 ± 0.06	*	1.58 ± 0.07	0.85 ± 0.04
notch2	1.06 ± 0.07	0.93 ± 0.03		0.95 ± 0.06	1.01 ± 0.09		0.96 ± 0.05	0.99 ± 0.03		1.04 ± 0.03	1.01 ± 0.10
nsmaf	0.78 ± 0.05	1.12 ± 0.02	†	0.93 ± 0.04†	0.96 ± 0.03†	*†	1.02 ± 0.03†	1.04 ± 0.04	*†	0.95 ± 0.02†	1.09 ± 0.04
ntn1	1.22 ± 0.14	0.80 ± 0.04	†	0.92 ± 0.05†	1.55 ± 0.19†	†	0.81 ± 0.12†	0.89 ± 0.15	†	0.94 ± 0.08†	1.08 ± 0.21
p2rx1	0.78 ± 0.07	1.42 ± 0.30		0.89 ± 0.20	1.15 ± 0.25		0.98 ± 0.07	1.08 ± 0.20		0.92 ± 0.09	0.99 ± 0.10
pawr	1.30 ± 0.13	0.90 ± 0.09		1.07 ± 0.02	0.84 ± 0.07	*	1.06 ± 0.08	0.70 ± 0.09	*	1.14 ± 0.04	0.65 ± 0.07
pdcd2	1.18 ± 0.02	0.91 ± 0.02		1.14 ± 0.02	0.88 ± 0.02		1.13 ± 0.04	0.91 ± 0.01		1.16 ± 0.04	0.94 ± 0.01
pdcd5	1.03 ± 0.02	0.96 ± 0.05		1.05 ± 0.03	0.94 ± 0.04		1.02 ± 0.05	0.95 ± 0.03		1.09 ± 0.06	0.93 ± 0.04
pdcd6ip	1.09 ± 0.05	1.03 ± 0.03	*	0.96 ± 0.02	0.99 ± 0.02		1.02 ± 0.02	0.99 ± 0.02	*	1.02 ± 0.02	0.95 ± 0.02
pdcd8	1.12 ± 0.02	0.93 ± 0.02		1.08 ± 0.02	0.92 ± 0.02		1.09 ± 0.03	0.95 ± 0.02		1.10 ± 0.02	0.94 ± 0.02
perp	1.19 ± 0.09	0.83 ± 0.06		1.21 ± 0.05	0.89 ± 0.01		1.08 ± 0.04	0.86 ± 0.04		1.19 ± 0.02	0.89 ± 0.05
pglyrp1	0.89 ± 0.03	1.05 ± 0.02	†	0.95 ± 0.01	1.03 ± 0.02	*†	0.97 ± 0.01†	1.04 ± 0.01	*	0.96 ± 0.02	1.07 ± 0.02
phlda1	1.04 ± 0.02	0.97 ± 0.04		1.03 ± 0.01	0.97 ± 0.04		1.00 ± 0.02	0.96 ± 0.04		0.98 ± 0.03	0.98 ± 0.05
pik3r1	0.75 ± 0.06	1.10 ± 0.11	*	0.90 ± 0.04	1.29 ± 0.06		0.86 ± 0.08	1.12 ± 0.04		0.87 ± 0.15	1.13 ± 0.11
plagl1	1.00 ± 0.04	0.98 ± 0.08		1.06 ± 0.06	0.91 ± 0.06		1.04 ± 0.08	0.95 ± 0.10		1.02 ± 0.04	0.95 ± 0.06
polb	1.05 ± 0.04	0.94 ± 0.01		1.04 ± 0.02	0.93 ± 0.03		1.11 ± 0.03	0.94 ± 0.01		1.05 ± 0.03	0.95 ± 0.04
ppm1f	0.96 ± 0.15	0.95 ± 0.08		1.02 ± 0.17	0.99 ± 0.09		1.01 ± 0.09	1.03 ± 0.04		0.86 ± 0.11	1.07 ± 0.07
ppp1r13b	1.10 ± 0.08	0.96 ± 0.04		1.04 ± 0.04	0.90 ± 0.01		1.03 ± 0.06	0.95 ± 0.07		1.09 ± 0.03	1.00 ± 0.03
prdx2	1.02 ± 0.02	1.00 ± 0.01		1.03 ± 0.03	0.98 ± 0.01		1.03 ± 0.02	0.99 ± 0.02		0.99 ± 0.03	0.97 ± 0.03
prkaa1	0.74 ± 0.08	1.13 ± 0.09	*	0.92 ± 0.07	1.28 ± 0.11	*	0.93 ± 0.09	1.19 ± 0.10		0.74 ± 0.08	0.95 ± 0.06
prkca	0.96 ± 0.07	0.97 ± 0.05		0.89 ± 0.07	1.09 ± 0.06	†	0.92 ± 0.05	1.16 ± 0.04†	†	0.80 ± 0.05†	1.03 ± 0.07
prkcd	0.78 ± 0.02	1.19 ± 0.04		0.81 ± 0.03	1.15 ± 0.04		0.78 ± 0.03	1.19 ± 0.07		0.79 ± 0.02	1.15 ± 0.05
prlr	1.18 ± 0.06	0.97 ± 0.07		1.20 ± 0.30	0.90 ± 0.09		1.14 ± 0.13	0.80 ± 0.08		1.04 ± 0.16	0.85 ± 0.07
psen1	0.96 ± 0.03	1.05 ± 0.12		0.91 ± 0.08	1.07 ± 0.05		1.14 ± 0.10	1.13 ± 0.04		1.05 ± 0.06	1.02 ± 0.09
pten	0.86 ± 0.02	1.11 ± 0.07		0.83 ± 0.03	1.16 ± 0.05		0.93 ± 0.08	1.18 ± 0.03		0.80 ± 0.10	1.16 ± 0.07
ptma	0.84 ± 0.06	1.26 ± 0.05		0.78 ± 0.02	1.23 ± 0.06		0.77 ± 0.02	1.22 ± 0.04		0.75 ± 0.03	1.20 ± 0.06
pycard	1.00 ± 0.02	1.03 ± 0.02	*	0.96 ± 0.03	0.98 ± 0.02		1.00 ± 0.02	1.01 ± 0.03	†	1.03 ± 0.02	0.94 ± 0.03†
rabep1	1.01 ± 0.03	0.98 ± 0.01		1.02 ± 0.01	0.98 ± 0.01		1.05 ± 0.03	1.00 ± 0.01		1.05 ± 0.04	0.99 ± 0.02
rara	0.91 ± 0.05	0.81 ± 0.09	*	1.07 ± 0.07	0.97 ± 0.05	*	1.04 ± 0.05	1.00 ± 0.09	*	1.07 ± 0.03	1.02 ± 0.05
ripk3	1.30 ± 0.07	0.94 ± 0.02	†	1.09 ± 0.07†	1.02 ± 0.07		1.09 ± 0.06	0.92 ± 0.06	*	1.14 ± 0.07	0.89 ± 0.05
rock1	1.00 ± 0.06	0.85 ± 0.05		1.04 ± 0.09	0.85 ± 0.07		1.07 ± 0.06	0.92 ± 0.04	*	1.14 ± 0.05	0.93 ± 0.07

Supplemental Table 2 (continued)											
rtn4	0.87 ± 0.03	1.09 ± 0.06		0.93 ± 0.04	1.08 ± 0.03		0.99 ± 0.06	1.11 ± 0.05		0.93 ± 0.03	1.14 ± 0.05
s100b	1.59 ± 0.14	0.85 ± 0.07		1.49 ± 0.20	0.69 ± 0.13		1.49 ± 0.20	0.66 ± 0.14		1.71 ± 0.15	0.71 ± 0.12
scn2a1	0.95 ± 0.04	1.00 ± 0.04		0.95 ± 0.03	1.03 ± 0.03		0.97 ± 0.03	1.05 ± 0.03		0.95 ± 0.04	1.05 ± 0.04
sgk	0.94 ± 0.04	1.24 ± 0.07		0.87 ± 0.04	1.17 ± 0.06	*	0.87 ± 0.04	1.11 ± 0.05		0.90 ± 0.03	1.23 ± 0.09
sh3kbp1	0.99 ± 0.02	0.98 ± 0.04		0.98 ± 0.02	1.00 ± 0.02		1.03 ± 0.04	1.02 ± 0.01		1.00 ± 0.01	1.00 ± 0.03
sh3md2	1.01 ± 0.09	1.10 ± 0.05		0.97 ± 0.14	0.98 ± 0.08		1.01 ± 0.09	1.02 ± 0.07	†	1.09 ± 0.06	0.91 ± 0.07†
siah2	0.89 ± 0.05	1.12 ± 0.06		0.86 ± 0.07	1.01 ± 0.01		0.98 ± 0.06	1.04 ± 0.02		0.89 ± 0.02	1.03 ± 0.01
sod1	1.29 ± 0.03	0.69 ± 0.02	*	1.42 ± 0.02	0.72 ± 0.01	*	1.47 ± 0.03	0.74 ± 0.02	*	1.42 ± 0.04	0.73 ± 0.03
spata3	1.15 ± 0.08	0.89 ± 0.05	†	1.03 ± 0.06	1.02 ± 0.03†	†	1.05 ± 0.09	1.09 ± 0.05†	†	1.00 ± 0.02	1.01 ± 0.05
spp1	1.67 ± 0.09	0.62 ± 0.07		1.73 ± 0.19	0.57 ± 0.09		1.59 ± 0.12	0.52 ± 0.06		1.82 ± 0.13	0.53 ± 0.06
stambp	1.00 ± 0.01	1.13 ± 0.01	*	0.94 ± 0.01	1.06 ± 0.01	*†	0.95 ± 0.01†	0.97 ± 0.02†	*†	0.98 ± 0.01	1.04 ± 0.02†
stk17b	0.97 ± 0.04	1.06 ± 0.05		0.96 ± 0.03	1.03 ± 0.04		0.97 ± 0.06	1.01 ± 0.01		0.99 ± 0.03	1.02 ± 0.03
stk3	1.09 ± 0.07	0.95 ± 0.02		1.17 ± 0.04	0.94 ± 0.02		1.09 ± 0.06	0.92 ± 0.01		1.15 ± 0.04	0.94 ± 0.03
stnl	1.05 ± 0.04	0.98 ± 0.06		1.14 ± 0.04	0.93 ± 0.03	†	1.19 ± 0.04†	0.89 ± 0.02		1.16 ± 0.06	0.93 ± 0.02
tax1bp1	1.00 ± 0.02	0.99 ± 0.01		0.99 ± 0.01	0.99 ± 0.02		1.02 ± 0.02	1.00 ± 0.02		1.01 ± 0.02	1.01 ± 0.01
tegt	1.02 ± 0.04	1.07 ± 0.02		0.96 ± 0.03	1.05 ± 0.03	*	0.94 ± 0.02	1.03 ± 0.01	*	0.93 ± 0.02	1.01 ± 0.03
tesk2	1.01 ± 0.09	0.92 ± 0.07		1.12 ± 0.10	1.05 ± 0.09		0.98 ± 0.04	0.92 ± 0.11		1.03 ± 0.04	1.00 ± 0.07
tfpt	0.92 ± 0.04	1.07 ± 0.06		0.90 ± 0.07	1.09 ± 0.08		0.98 ± 0.05	0.99 ± 0.04		1.04 ± 0.06	1.09 ± 0.03
tgfa	1.00 ± 0.03	1.07 ± 0.04		0.97 ± 0.02	1.06 ± 0.02		1.04 ± 0.06	1.03 ± 0.02		0.91 ± 0.04	1.00 ± 0.01
tgm2	0.98 ± 0.05	1.14 ± 0.03		0.90 ± 0.05	1.07 ± 0.04	*	0.88 ± 0.03	1.02 ± 0.03		0.93 ± 0.02	1.09 ± 0.04
thap1	0.87 ± 0.06	0.93 ± 0.07		0.87 ± 0.09	1.04 ± 0.08	*	1.12 ± 0.14	1.15 ± 0.17		0.96 ± 0.07	1.03 ± 0.06
tieg	1.08 ± 0.05	1.10 ± 0.02	*	1.01 ± 0.04	1.03 ± 0.02	*	0.97 ± 0.02	0.99 ± 0.02	*	0.93 ± 0.02	0.97 ± 0.03
timp3	0.95 ± 0.06	0.97 ± 0.10		1.13 ± 0.10	1.06 ± 0.13		0.99 ± 0.05	0.99 ± 0.09		0.94 ± 0.06	0.98 ± 0.07
tnf	1.75 ± 0.26	0.89 ± 0.12	†	0.99 ± 0.11†	1.11 ± 0.13	†	1.29 ± 0.18†	1.04 ± 0.09	*†	0.70 ± 0.11†	0.98 ± 0.15
tnfrsf11b	1.04 ± 0.07	0.85 ± 0.04	*	1.15 ± 0.07	0.98 ± 0.03		1.04 ± 0.04	0.96 ± 0.03	*	1.15 ± 0.04	0.96 ± 0.03
tnfrsf1a	1.24 ± 0.01	0.97 ± 0.02	*	1.16 ± 0.05	0.95 ± 0.01	*	1.15 ± 0.05	0.94 ± 0.02	*	1.22 ± 0.03	0.91 ± 0.02
tnfrsf6	1.10 ± 0.09	0.94 ± 0.18	*	1.39 ± 0.05	1.01 ± 0.05		1.18 ± 0.10	0.84 ± 0.04		1.10 ± 0.07	0.92 ± 0.03
tnfsf10	1.48 ± 0.32	0.90 ± 0.20		1.20 ± 0.25	0.96 ± 0.15		1.00 ± 0.21	1.30 ± 0.32		1.26 ± 0.18	0.72 ± 0.09
tp53	0.93 ± 0.03	1.20 ± 0.04	*†	0.93 ± 0.02	1.03 ± 0.03†	*†	0.99 ± 0.03	0.97 ± 0.01†	†	1.08 ± 0.08	1.10 ± 0.03
tpt1	1.04 ± 0.04	1.04 ± 0.02	*	0.95 ± 0.01	0.97 ± 0.04		0.97 ± 0.02	1.01 ± 0.03		1.00 ± 0.01	1.03 ± 0.03
tradd	1.24 ± 0.06	0.89 ± 0.08		1.23 ± 0.06	0.93 ± 0.04		1.14 ± 0.06	0.83 ± 0.03		1.17 ± 0.05	0.83 ± 0.04
trib3	1.21 ± 0.03	0.83 ± 0.03		1.29 ± 0.03	0.82 ± 0.04	*	1.36 ± 0.04	0.85 ± 0.02		1.17 ± 0.05	0.79 ± 0.02
trp63	0.83 ± 0.09	1.05 ± 0.10		1.02 ± 0.06	0.96 ± 0.09	†	1.06 ± 0.07	0.92 ± 0.05	†	1.03 ± 0.07	0.89 ± 0.08
tsarg1	1.10 ± 0.09	0.97 ± 0.05		0.99 ± 0.08	1.04 ± 0.07		1.00 ± 0.12	0.99 ± 0.09		1.08 ± 0.07	1.03 ± 0.03
twist2	1.03 ± 0.06	0.81 ± 0.06	†	0.92 ± 0.05	1.13 ± 0.08†	†	0.92 ± 0.04	0.99 ± 0.07†	*	1.07 ± 0.05	0.99 ± 0.06
txnl1	1.00 ± 0.01	0.97 ± 0.02		0.97 ± 0.02	0.97 ± 0.02		1.00 ± 0.02	0.99 ± 0.02		1.03 ± 0.03	0.98 ± 0.02
ube1c	0.99 ± 0.03	0.97 ± 0.05		0.97 ± 0.03	1.04 ± 0.01		0.99 ± 0.01	1.04 ± 0.01		0.97 ± 0.04	1.04 ± 0.02
unc5a	0.97 ± 0.06	1.03 ± 0.02		1.03 ± 0.05	0.99 ± 0.04		0.94 ± 0.07	1.07 ± 0.04		0.90 ± 0.04	1.04 ± 0.04
unc5b	1.04 ± 0.10	1.12 ± 0.17		0.90 ± 0.07	1.04 ± 0.08		0.98 ± 0.04	1.00 ± 0.08		0.90 ± 0.05	0.99 ± 0.03
v1rd22	1.07 ± 0.11	1.09 ± 0.05		1.00 ± 0.07	1.00 ± 0.03		0.96 ± 0.07	1.08 ± 0.05		0.94 ± 0.03	1.08 ± 0.06
vdr	0.92 ± 0.08	0.84 ± 0.05	*	1.30 ± 0.11	1.06 ± 0.06	†	1.32 ± 0.07†	0.81 ± 0.09	†	1.45 ± 0.27	0.73 ± 0.09
vegf	0.95 ± 0.03	1.02 ± 0.02		0.93 ± 0.02	1.04 ± 0.02		0.95 ± 0.02	1.04 ± 0.02		0.99 ± 0.01	1.05 ± 0.03
wig1	1.08 ± 0.02	0.92 ± 0.02		1.02 ± 0.03	0.92 ± 0.04		1.10 ± 0.01	0.96 ± 0.02		1.10 ± 0.03	0.92 ± 0.02
ywhah	0.98 ± 0.03	1.00 ± 0.03		1.02 ± 0.01	0.99 ± 0.02		1.03 ± 0.01	0.97 ± 0.02		0.99 ± 0.02	1.00 ± 0.04
zd10b	0.94 ± 0.04	1.08 ± 0.04		0.90 ± 0.03	1.08 ± 0.04		0.89 ± 0.02	1.09 ± 0.04		0.96 ± 0.03	1.05 ± 0.01
zfp162	0.98 ± 0.18	1.45 ± 0.13	*	0.74 ± 0.03	1.05 ± 0.11		1.07 ± 0.07	1.17 ± 0.12		0.90 ± 0.06	1.08 ± 0.04

Normalized expression ratios are given as mean ± SE obtained from five animals in each group, with the sample from each animal run on a separate array. CPF1 = 1 mg/kg chlorpyrifos; DZN1 = 1 mg/kg diazinon; DZN2 = 2 mg/kg diazinon. Several of the values reported in this table have appeared in previous studies of other gene groupings [2,7-9].

*Significant main treatment effect in two-factor ANOVA (treatment, region).

†Interaction of treatment × region; then, † denotes significant treatment effect for a given region.

Global statistical analysis of Table 2: ANOVA factors of treatment, gene, region[§]

All treatments: treatment main effect, $p < 0.0009$; treatment × gene $p < 0.0001$; treatment × gene × region, $p < 0.0007$
brainstem: treatment × gene, $p < 0.0001$
forebrain: treatment main effect, $p < 0.008$; treatment × gene, $p < 0.0001$
Control vs. CPF1: treatment main effect (Control > CPF1), $p < 0.05$; treatment × gene, $p < 0.0001$; treatment × gene × region, $p < 0.0003$
brainstem: treatment × gene, $p < 0.03$
forebrain: treatment × gene, $p < 0.0001$
Control vs. DZN1: treatment main effect (Control > DZN1), $p < 0.02$; treatment × gene, $p < 0.0001$; treatment × gene × region, $p < 0.0001$
brainstem: treatment × gene, $p < 0.0001$
forebrain: treatment main effect (Control > DZN1), $p < 0.05$; treatment × gene, $p < 0.0005$
Control vs. DZN2: main effect of treatment (Control > DZN2), $p < 0.0001$; treatment × gene, $p < 0.0001$; treatment × gene × region, $p < 0.0001$
brainstem: treatment main effect (Control > DZN2), $p < 0.02$; treatment × gene, $p < 0.0001$
forebrain: treatment main effect (Control > DZN2), $p < 0.002$; treatment × gene, $p < 0.0001$

[§]results shown include only treatment effects and interactions of treatment with other variables

Supplemental Table 3. Cell Cycle Genes In Vitro

	Undifferentiated					Differentiating				
Gene	Control			Chlorpyrifos		Control			Chlorpyrifos	
	24h	72h		24h	72h	24h	72h		24h	72h
aatf	1.14 ± 0.05	1.14 ± 0.07		1.17 ± 0.04	1.10 ± 0.05	0.85 ± 0.04	0.86 ± 0.05		0.85 ± 0.05	0.88 ± 0.05
acly	0.91 ± 0.04	0.85 ± 0.03		0.93 ± 0.04	0.87 ± 0.03	1.14 ± 0.04	1.10 ± 0.05		1.14 ± 0.05	1.09 ± 0.04
adcyap1	0.93 ± 0.04	0.98 ± 0.03		0.91 ± 0.05	0.97 ± 0.02	0.99 ± 0.04	1.03 ± 0.04		1.01 ± 0.03	1.05 ± 0.02
ahr	0.97 ± 0.08	1.05 ± 0.07		1.05 ± 0.05	1.14 ± 0.05	0.82 ± 0.07	0.94 ± 0.06		0.98 ± 0.05	1.05 ± 0.11
ak1	0.98 ± 0.10	1.09 ± 0.03		1.03 ± 0.06	1.08 ± 0.08	0.83 ± 0.05	1.02 ± 0.09		0.95 ± 0.04	0.96 ± 0.02
akt1	0.94 ± 0.04	0.88 ± 0.02		0.91 ± 0.02	0.91 ± 0.02	1.03 ± 0.03	1.09 ± 0.01	†	1.13 ± 0.04	1.08 ± 0.03
akt2	0.80 ± 0.10	1.91 ± 0.44		0.86 ± 0.11	1.50 ± 0.21	0.51 ± 0.08	1.28 ± 0.20	†	1.14 ± 0.16†	1.25 ± 0.40
anxa1	0.95 ± 0.05	0.99 ± 0.04		0.99 ± 0.04	0.98 ± 0.02	1.01 ± 0.03	0.99 ± 0.03		1.07 ± 0.02	0.99 ± 0.02
apbb1	1.01 ± 0.02	1.01 ± 0.02		1.02 ± 0.01	1.02 ± 0.03	0.88 ± 0.03	1.07 ± 0.04		0.87 ± 0.02	1.04 ± 0.03
apc	1.08 ± 0.16	1.08 ± 0.10	*	0.87 ± 0.09	0.89 ± 0.03	1.01 ± 0.13	1.02 ± 0.03		1.12 ± 0.09	1.19 ± 0.09
appbp1	1.06 ± 0.03	1.05 ± 0.01		1.06 ± 0.02	1.06 ± 0.03	1.00 ± 0.02	0.83 ± 0.01	*	0.94 ± 0.02	0.82 ± 0.02
araf1	0.92 ± 0.04	1.01 ± 0.04		0.94 ± 0.02	1.02 ± 0.03	1.01 ± 0.03	1.07 ± 0.04		1.06 ± 0.05	1.08 ± 0.06
atm	1.43 ± 0.07	1.29 ± 0.06	*	1.28 ± 0.09	1.15 ± 0.05	0.86 ± 0.05	0.72 ± 0.02	*	0.80 ± 0.04	0.64 ± 0.03
aurkb	1.11 ± 0.05	1.13 ± 0.08		1.11 ± 0.06	1.09 ± 0.06	0.99 ± 0.04	0.72 ± 0.03		1.04 ± 0.05	0.69 ± 0.02
axin2	1.36 ± 0.13	1.35 ± 0.06	*†	1.24 ± 0.09	0.94 ± 0.07†	0.78 ± 0.12	0.76 ± 0.06		0.88 ± 0.13	0.77 ± 0.09
bcl10	0.78 ± 0.02	0.77 ± 0.01		0.81 ± 0.01	0.78 ± 0.01	1.44 ± 0.03	1.22 ± 0.03		1.47 ± 0.04	1.26 ± 0.02
bin1	0.88 ± 0.02	0.91 ± 0.02		0.89 ± 0.01	0.95 ± 0.02	1.07 ± 0.03	1.29 ± 0.04		1.12 ± 0.02	1.34 ± 0.02
bmyc	1.04 ± 0.02	1.00 ± 0.01	*†	0.94 ± 0.02†	1.00 ± 0.02	0.97 ± 0.01	1.07 ± 0.02	*	0.91 ± 0.01	1.06 ± 0.02
brca1	1.00 ± 0.05	1.35 ± 0.02	†	1.40 ± 0.11†	1.24 ± 0.15	1.03 ± 0.10	0.80 ± 0.07		0.92 ± 0.06	0.90 ± 0.07
btg3	0.71 ± 0.04	0.75 ± 0.02	*	0.74 ± 0.02	0.82 ± 0.02	1.21 ± 0.03	1.36 ± 0.03	*	1.29 ± 0.05	1.58 ± 0.02
bzw1	0.95 ± 0.02	0.92 ± 0.01	*	1.01 ± 0.02	1.00 ± 0.01	1.00 ± 0.03	1.15 ± 0.02		0.98 ± 0.04	1.15 ± 0.03
calm1	0.94 ± 0.02	1.03 ± 0.03		0.92 ± 0.02	0.98 ± 0.02	1.13 ± 0.02	1.00 ± 0.02		1.12 ± 0.04	1.02 ± 0.04
calm2	0.92 ± 0.01	0.88 ± 0.01		0.91 ± 0.01	0.91 ± 0.02	1.18 ± 0.02	1.46 ± 0.02	*	1.12 ± 0.03	1.29 ± 0.04
calm3	1.06 ± 0.02	1.07 ± 0.03		1.03 ± 0.02	1.09 ± 0.04	0.87 ± 0.02	1.02 ± 0.03	*	0.79 ± 0.01	0.94 ± 0.02
camk2a	0.95 ± 0.04	1.02 ± 0.06		0.95 ± 0.03	1.04 ± 0.04	1.15 ± 0.04	0.95 ± 0.04		1.10 ± 0.04	0.96 ± 0.03
camk2b	0.88 ± 0.07	0.89 ± 0.09	*	0.94 ± 0.05	1.15 ± 0.09	0.87 ± 0.09	1.18 ± 0.11		0.99 ± 0.14	1.19 ± 0.14
camk2d	1.00 ± 0.10	0.93 ± 0.07		1.04 ± 0.06	0.93 ± 0.08	0.97 ± 0.04	0.96 ± 0.08	*	1.05 ± 0.08	1.23 ± 0.11
camk2g	0.95 ± 0.03	0.96 ± 0.04		0.94 ± 0.05	0.92 ± 0.02	0.97 ± 0.02	1.11 ± 0.02	*	1.05 ± 0.05	1.20 ± 0.04
casp3	0.89 ± 0.06	0.98 ± 0.02		0.94 ± 0.05	0.98 ± 0.07	1.19 ± 0.04	0.90 ± 0.06	†	0.94 ± 0.02†	1.14 ± 0.06†
ccnb1	1.04 ± 0.04	1.13 ± 0.01		1.04 ± 0.02	1.18 ± 0.01	1.00 ± 0.01	0.93 ± 0.03	*	0.91 ± 0.04	0.82 ± 0.03
ccnc	0.85 ± 0.06	0.91 ± 0.03	*	0.91 ± 0.05	1.02 ± 0.04	1.04 ± 0.06	1.27 ± 0.02		1.05 ± 0.05	1.38 ± 0.04
ccnd1	0.95 ± 0.03	0.91 ± 0.03		1.01 ± 0.06	0.97 ± 0.01	1.02 ± 0.04	1.72 ± 0.06	*	1.05 ± 0.04	2.07 ± 0.11
ccnd2	0.96 ± 0.05	1.07 ± 0.04	†	1.12 ± 0.06	0.97 ± 0.06	1.05 ± 0.05	1.05 ± 0.03	*	0.96 ± 0.06	0.92 ± 0.04
ccnd3	0.95 ± 0.01	0.98 ± 0.01	*	1.00 ± 0.02	1.00 ± 0.01	0.95 ± 0.03	1.12 ± 0.04		0.98 ± 0.03	1.06 ± 0.01
ccnf	1.02 ± 0.07	1.06 ± 0.13		0.93 ± 0.04	1.08 ± 0.05	0.97 ± 0.07	1.01 ± 0.05		1.02 ± 0.02	0.97 ± 0.06
ccng1	0.79 ± 0.01	0.81 ± 0.01	*†	0.84 ± 0.01†	0.96 ± 0.01†	1.08 ± 0.03	1.67 ± 0.02	*†	1.14 ± 0.02	1.89 ± 0.01†
ccnh	0.93 ± 0.02	0.93 ± 0.02	*	0.99 ± 0.03	0.96 ± 0.02	1.11 ± 0.03	1.02 ± 0.02	*	1.15 ± 0.03	1.11 ± 0.03
ccpg1	1.31 ± 0.04	1.10 ± 0.10	†	1.18 ± 0.03†	1.22 ± 0.05	0.89 ± 0.07	0.84 ± 0.07		0.76 ± 0.07	0.78 ± 0.06
ccrk	0.77 ± 0.06	0.80 ± 0.02	*	0.84 ± 0.03	0.88 ± 0.02	1.16 ± 0.04	1.34 ± 0.05		1.20 ± 0.05	1.37 ± 0.04
cdc10	0.97 ± 0.03	0.92 ± 0.01		1.00 ± 0.04	0.93 ± 0.01	1.05 ± 0.01	1.01 ± 0.02		1.11 ± 0.03	1.02 ± 0.05
cdc14a	1.86 ± 0.51	0.76 ± 0.10	†	1.12 ± 0.02	1.01 ± 0.08	1.07 ± 0.20	0.85 ± 0.11		0.95 ± 0.09	0.85 ± 0.10
cdc14b	1.44 ± 0.18	1.01 ± 0.07	*	0.91 ± 0.05	0.89 ± 0.06	1.03 ± 0.09	0.96 ± 0.13		1.10 ± 0.13	0.98 ± 0.10
cdc16	0.99 ± 0.02	0.98 ± 0.02		1.00 ± 0.02	1.00 ± 0.01	1.02 ± 0.01	1.00 ± 0.01	†	1.07 ± 0.02†	0.99 ± 0.01
cdc20	1.03 ± 0.03	1.08 ± 0.02		1.00 ± 0.02	1.04 ± 0.02	0.97 ± 0.03	0.98 ± 0.02		0.94 ± 0.01	1.02 ± 0.03
cdc23	1.06 ± 0.06	1.04 ± 0.04		1.07 ± 0.05	0.98 ± 0.02	0.97 ± 0.03	1.01 ± 0.04		0.98 ± 0.05	1.01 ± 0.05
cdc25a	1.12 ± 0.12	1.02 ± 0.08		1.00 ± 0.05	0.95 ± 0.08	1.07 ± 0.08	0.77 ± 0.07		1.00 ± 0.07	0.93 ± 0.09
cdc25b	0.97 ± 0.03	0.96 ± 0.02		0.98 ± 0.02	1.02 ± 0.01	1.03 ± 0.03	0.99 ± 0.02	*	1.10 ± 0.03	1.03 ± 0.02
cdc25c	0.96 ± 0.08	0.93 ± 0.07		1.02 ± 0.08	0.96 ± 0.09	1.25 ± 0.09	1.17 ± 0.15	*	0.98 ± 0.07	0.91 ± 0.04
cdc27	1.12 ± 0.07	0.94 ± 0.06	†	0.86 ± 0.05†	1.17 ± 0.11	1.03 ± 0.02	1.28 ± 0.13	*†	1.03 ± 0.06	0.86 ± 0.05†
cdc2a	1.04 ± 0.01	1.03 ± 0.01		1.03 ± 0.01	1.05 ± 0.01	0.97 ± 0.01	0.86 ± 0.01	*	0.86 ± 0.01	0.79 ± 0.01
cdc2l1	1.05 ± 0.04	1.02 ± 0.04		0.98 ± 0.03	1.06 ± 0.04	1.00 ± 0.04	0.97 ± 0.03		1.02 ± 0.02	0.90 ± 0.02
cdc2l5	0.97 ± 0.03	0.97 ± 0.03		1.04 ± 0.02	0.94 ± 0.03	1.04 ± 0.04	0.95 ± 0.03		1.05 ± 0.02	0.99 ± 0.02
cdc34	0.98 ± 0.02	0.98 ± 0.01		0.98 ± 0.03	1.01 ± 0.01	0.99 ± 0.02	1.02 ± 0.02		1.00 ± 0.02	1.05 ± 0.02
cdc37	0.98 ± 0.03	1.06 ± 0.02		0.99 ± 0.03	1.04 ± 0.04	0.94 ± 0.03	0.99 ± 0.04		1.00 ± 0.04	0.99 ± 0.04

Supplemental Table 3 (continued)										
cdc37l	1.01 ± 0.01	0.98 ± 0.03		0.97 ± 0.02	1.00 ± 0.05	1.01 ± 0.02	1.00 ± 0.01		1.08 ± 0.04	1.03 ± 0.05
cdc40	1.08 ± 0.06	1.06 ± 0.09		1.01 ± 0.11	1.19 ± 0.09	1.05 ± 0.07	0.82 ± 0.07		0.97 ± 0.08	0.89 ± 0.06
cdc42	0.95 ± 0.02	0.91 ± 0.02		0.98 ± 0.02	0.92 ± 0.03	1.08 ± 0.02	1.04 ± 0.02		1.06 ± 0.02	1.04 ± 0.01
cdc5l	1.14 ± 0.04	1.08 ± 0.05		1.13 ± 0.06	1.08 ± 0.05	0.98 ± 0.02	0.88 ± 0.02		0.97 ± 0.04	0.89 ± 0.04
cdc6	1.20 ± 0.02	1.10 ± 0.05	*	1.08 ± 0.03	1.06 ± 0.03	0.95 ± 0.03	0.60 ± 0.02	*	0.87 ± 0.02	0.54 ± 0.01
cdc7	1.32 ± 0.12	1.09 ± 0.11	*	1.07 ± 0.08	0.92 ± 0.06	1.16 ± 0.07	0.97 ± 0.02	*	0.97 ± 0.10	0.85 ± 0.02
cdc91l1	1.01 ± 0.04	1.01 ± 0.01		1.02 ± 0.02	1.01 ± 0.02	1.03 ± 0.04	1.01 ± 0.02		0.98 ± 0.03	1.00 ± 0.01
cdca1	1.04 ± 0.02	1.01 ± 0.03		1.03 ± 0.03	0.98 ± 0.03	1.14 ± 0.03	0.72 ± 0.02	*†	1.05 ± 0.01†	0.59 ± 0.01†
cdca2	1.14 ± 0.05	1.16 ± 0.07		1.13 ± 0.04	1.10 ± 0.05	1.03 ± 0.04	0.83 ± 0.03	*	0.96 ± 0.03	0.75 ± 0.02
cdca3	1.19 ± 0.03	1.17 ± 0.02		1.19 ± 0.01	1.16 ± 0.01	0.82 ± 0.02	0.71 ± 0.01	*	0.75 ± 0.01	0.67 ± 0.01
cdca7	1.44 ± 0.12	1.08 ± 0.06		1.39 ± 0.10	1.15 ± 0.02	0.94 ± 0.05	0.58 ± 0.02	†	0.81 ± 0.02	0.59 ± 0.03
cdk2	1.15 ± 0.03	1.04 ± 0.02	*	1.19 ± 0.04	1.13 ± 0.02	0.96 ± 0.03	0.65 ± 0.01		0.93 ± 0.01	0.63 ± 0.02
cdk4	1.06 ± 0.01	1.01 ± 0.01	*	1.09 ± 0.02	1.06 ± 0.01	0.95 ± 0.01	0.86 ± 0.02	†	0.99 ± 0.02	0.84 ± 0.02
cdk5	1.01 ± 0.01	0.85 ± 0.03	†	0.90 ± 0.05	0.91 ± 0.05	1.02 ± 0.05	1.04 ± 0.08	†	0.83 ± 0.03†	1.18 ± 0.04
cdk6	1.20 ± 0.07	1.21 ± 0.12		1.07 ± 0.13	1.20 ± 0.07	1.03 ± 0.09	0.80 ± 0.05	*	0.72 ± 0.02	0.57 ± 0.02
cdk7	0.99 ± 0.01	1.00 ± 0.02		0.99 ± 0.02	0.97 ± 0.02	0.99 ± 0.02	0.98 ± 0.02		1.03 ± 0.03	0.99 ± 0.02
cdkn1a	0.80 ± 0.03	0.98 ± 0.07	†	0.95 ± 0.04†	0.90 ± 0.05	1.15 ± 0.05	1.19 ± 0.02	*	0.95 ± 0.03	1.12 ± 0.04
cdkn1b	1.12 ± 0.03	1.27 ± 0.03		1.15 ± 0.04	1.19 ± 0.03	0.89 ± 0.02	0.84 ± 0.02		0.84 ± 0.02	0.85 ± 0.02
cdkn1c	1.08 ± 0.03	1.07 ± 0.03	*	0.99 ± 0.04	1.03 ± 0.02	0.98 ± 0.03	0.97 ± 0.02	†	1.01 ± 0.01	0.90 ± 0.02†
cdkn2a	0.92 ± 0.03	1.18 ± 0.08		0.94 ± 0.02	1.02 ± 0.07	0.94 ± 0.04	1.20 ± 0.09	†	1.02 ± 0.04	1.02 ± 0.05
cdkn2b	0.84 ± 0.16	0.99 ± 0.21		0.92 ± 0.03	1.39 ± 0.18	0.58 ± 0.13	1.36 ± 0.03	†	1.04 ± 0.16†	0.95 ± 0.07†
cdkn2c	0.92 ± 0.02	0.91 ± 0.01		0.92 ± 0.02	0.96 ± 0.02	1.27 ± 0.02	1.30 ± 0.04		1.29 ± 0.04	1.18 ± 0.07
cgref1	0.82 ± 0.04	0.84 ± 0.04	*	0.90 ± 0.03	0.91 ± 0.03	1.24 ± 0.07	1.77 ± 0.04	*†	1.53 ± 0.06†	1.83 ± 0.05
cgrrf1	1.01 ± 0.03	1.07 ± 0.03	*	1.06 ± 0.01	1.14 ± 0.03	0.86 ± 0.01	0.94 ± 0.04		0.87 ± 0.01	0.95 ± 0.03
chek1	1.10 ± 0.03	1.10 ± 0.02		1.15 ± 0.02	1.09 ± 0.04	0.94 ± 0.02	0.72 ± 0.02		0.93 ± 0.01	0.72 ± 0.05
chek2	1.36 ± 0.05	1.21 ± 0.06	†	1.03 ± 0.08†	1.37 ± 0.06	0.97 ± 0.04	0.83 ± 0.07		1.03 ± 0.07	0.96 ± 0.05
commd5	0.99 ± 0.02	1.05 ± 0.03		0.98 ± 0.01	1.01 ± 0.04	1.01 ± 0.04	0.99 ± 0.03		1.05 ± 0.03	1.03 ± 0.03
cort	1.17 ± 0.05	1.06 ± 0.04		1.05 ± 0.04	1.05 ± 0.04	0.99 ± 0.03	0.91 ± 0.03	*	0.89 ± 0.04	0.89 ± 0.01
crk	0.78 ± 0.08	1.13 ± 0.10	†	0.97 ± 0.08	0.81 ± 0.05†	1.16 ± 0.08	1.11 ± 0.19		0.98 ± 0.12	1.01 ± 0.13
csf1r	1.31 ± 0.11	0.57 ± 0.04		1.70 ± 0.32	0.82 ± 0.17	1.58 ± 0.11	0.64 ± 0.04	†	0.90 ± 0.10†	0.83 ± 0.10
csnk1d	1.00 ± 0.03	0.96 ± 0.02	†	0.93 ± 0.02	1.00 ± 0.02	1.00 ± 0.01	0.97 ± 0.01	*	1.06 ± 0.01	1.06 ± 0.02
cspg6	1.07 ± 0.02	1.00 ± 0.03	*	1.10 ± 0.03	1.09 ± 0.05	0.98 ± 0.02	0.82 ± 0.03	*	0.97 ± 0.01	0.74 ± 0.03
ctcf	1.10 ± 0.02	1.07 ± 0.02		1.10 ± 0.01	1.11 ± 0.01	0.93 ± 0.02	0.75 ± 0.01	*	0.89 ± 0.01	0.70 ± 0.01
cul5	1.17 ± 0.12	1.20 ± 0.10	*	0.99 ± 0.11	1.03 ± 0.03	1.12 ± 0.09	0.93 ± 0.05		1.04 ± 0.08	0.99 ± 0.08
cwf19l1	1.40 ± 0.08	1.04 ± 0.06	†	1.08 ± 0.13†	1.13 ± 0.04	0.98 ± 0.05	0.86 ± 0.08	*	0.76 ± 0.03	0.75 ± 0.08
cwf19l2	1.05 ± 0.04	1.09 ± 0.02		1.11 ± 0.05	1.08 ± 0.03	0.99 ± 0.03	0.88 ± 0.02	†	0.90 ± 0.04	0.96 ± 0.02†
cxcl1	2.51 ± 0.28	1.22 ± 0.44		2.52 ± 0.24	0.70 ± 0.08	0.89 ± 0.13	0.83 ± 0.19		0.88 ± 0.19	0.82 ± 0.09
d123	1.01 ± 0.03	1.04 ± 0.01		1.01 ± 0.02	1.02 ± 0.01	0.99 ± 0.02	1.01 ± 0.01		0.99 ± 0.02	0.95 ± 0.02
dcc	0.77 ± 0.16	1.04 ± 0.18		0.96 ± 0.10	0.92 ± 0.13	0.96 ± 0.29	1.25 ± 0.22		1.13 ± 0.18	0.92 ± 0.05
ddit3	0.84 ± 0.03	0.89 ± 0.02		0.84 ± 0.01	0.88 ± 0.01	1.22 ± 0.03	1.13 ± 0.02	*	1.38 ± 0.03	1.26 ± 0.03
ddx16	1.09 ± 0.03	1.19 ± 0.01	*	1.13 ± 0.05	1.30 ± 0.05	0.96 ± 0.01	0.92 ± 0.03	*	0.87 ± 0.05	0.81 ± 0.02
dusp1	0.81 ± 0.03	0.90 ± 0.07		0.89 ± 0.04	0.86 ± 0.05	1.05 ± 0.05	1.62 ± 0.12	*	1.31 ± 0.06	2.41 ± 0.09
e2f3	0.98 ± 0.04	0.94 ± 0.04		0.99 ± 0.05	0.95 ± 0.02	1.10 ± 0.04	1.00 ± 0.02	†	1.04 ± 0.03	1.06 ± 0.04
e2f5	1.19 ± 0.13	1.10 ± 0.09	*	1.06 ± 0.07	0.90 ± 0.03	1.31 ± 0.05	0.84 ± 0.04	*	1.12 ± 0.05	0.78 ± 0.05
egfr	1.46 ± 0.09	1.81 ± 0.09		1.62 ± 0.09	1.94 ± 0.15	0.65 ± 0.03	0.57 ± 0.02	*	0.57 ± 0.02	0.51 ± 0.02
elk1	1.06 ± 0.15	1.48 ± 0.46		0.81 ± 0.02	1.18 ± 0.20	0.97 ± 0.12	1.03 ± 0.13		0.92 ± 0.09	0.99 ± 0.10
eral1	1.08 ± 0.07	1.11 ± 0.08	*	0.88 ± 0.10	0.95 ± 0.02	0.91 ± 0.05	1.03 ± 0.04	*	1.10 ± 0.07	1.12 ± 0.11
erbb2	0.95 ± 0.05	1.06 ± 0.01	*	0.87 ± 0.04	0.99 ± 0.03	1.00 ± 0.01	1.08 ± 0.04	*	0.98 ± 0.03	1.00 ± 0.02
erbb3	0.64 ± 0.14	0.83 ± 0.14	*	0.67 ± 0.09	1.51 ± 0.29	0.94 ± 0.05	0.88 ± 0.10		1.40 ± 0.11	0.93 ± 0.17
ereg	1.17 ± 0.11	0.79 ± 0.11		1.00 ± 0.03	0.62 ± 0.15	2.25 ± 0.88	0.90 ± 0.06		1.11 ± 0.26	1.62 ± 0.48
ets1	0.93 ± 0.04	1.05 ± 0.04		0.96 ± 0.02	0.99 ± 0.04	0.99 ± 0.03	0.93 ± 0.03	*	1.05 ± 0.03	1.17 ± 0.13
ets2	1.23 ± 0.03	1.01 ± 0.04	*	0.99 ± 0.06	0.92 ± 0.05	1.03 ± 0.12	0.91 ± 0.04		1.10 ± 0.03	1.01 ± 0.02
fbxo2	0.99 ± 0.03	1.04 ± 0.02		0.97 ± 0.04	1.04 ± 0.02	0.96 ± 0.03	1.02 ± 0.03		0.98 ± 0.03	0.99 ± 0.02
fgf1	1.07 ± 0.20	0.94 ± 0.05		0.90 ± 0.10	1.08 ± 0.16	1.06 ± 0.04	1.34 ± 0.16	*	1.04 ± 0.20	0.79 ± 0.18
fgf2	1.19 ± 0.15	1.05 ± 0.07		1.31 ± 0.08	1.08 ± 0.12	0.85 ± 0.09	0.89 ± 0.10		0.67 ± 0.07	0.82 ± 0.04
fgf3	0.99 ± 0.17	1.50 ± 0.17	*	0.81 ± 0.06	1.06 ± 0.17	0.87 ± 0.04	1.18 ± 0.13		1.01 ± 0.04	1.06 ± 0.10
fgf4	0.91 ± 0.13	1.17 ± 0.35		0.88 ± 0.15	1.18 ± 0.11	0.80 ± 0.13	0.83 ± 0.21		0.82 ± 0.16	1.03 ± 0.39
fgf5	0.73 ± 0.18	1.20 ± 0.46		0.78 ± 0.15	0.95 ± 0.12	0.88 ± 0.12	0.91 ± 0.18		0.97 ± 0.19	1.08 ± 0.08

Supplemental Table 3 (continued)										
fgf7	1.80 ± 0.30	1.01 ± 0.36	*	0.86 ± 0.30	0.65 ± 0.22	2.22 ± 1.06	1.61 ± 1.04		1.83 ± 1.05	0.67 ± 0.24
fgf9	0.83 ± 0.20	1.15 ± 0.17		0.91 ± 0.08	0.87 ± 0.16	1.46 ± 0.11	0.52 ± 0.11	†	1.08 ± 0.24	0.89 ± 0.08†
fgr	1.41 ± 0.55	1.28 ± 0.22		1.51 ± 0.31	1.29 ± 0.26	0.92 ± 0.04	1.00 ± 0.06		1.08 ± 0.12	1.03 ± 0.17
figf	1.16 ± 0.04	1.11 ± 0.05	*	0.99 ± 0.08	0.87 ± 0.05	1.12 ± 0.10	0.98 ± 0.04	*	0.99 ± 0.07	0.82 ± 0.03
fos	0.88 ± 0.17	1.17 ± 0.09	*	0.79 ± 0.14	0.65 ± 0.12	0.66 ± 0.28	0.83 ± 0.10	*	0.90 ± 0.16	1.24 ± 0.09
foxg1	0.99 ± 0.02	1.08 ± 0.05		0.96 ± 0.04	1.00 ± 0.06	1.00 ± 0.04	0.98 ± 0.04		0.99 ± 0.03	0.94 ± 0.02
frap1	1.14 ± 0.08	1.07 ± 0.05		1.06 ± 0.04	1.07 ± 0.02	0.97 ± 0.02	0.90 ± 0.02		0.92 ± 0.02	0.97 ± 0.06
fyn	1.07 ± 0.13	1.08 ± 0.01		0.99 ± 0.09	0.93 ± 0.04	0.90 ± 0.03	0.99 ± 0.05	*	1.07 ± 0.02	1.04 ± 0.01
fzr1	1.04 ± 0.05	1.07 ± 0.07		1.02 ± 0.03	1.10 ± 0.03	0.96 ± 0.03	1.07 ± 0.04		0.95 ± 0.04	1.03 ± 0.05
gadd45a	0.80 ± 0.03	0.71 ± 0.03	*	0.86 ± 0.04	0.81 ± 0.02	1.24 ± 0.06	1.57 ± 0.05	*	1.47 ± 0.08	1.70 ± 0.05
gak	0.94 ± 0.01	0.97 ± 0.03		0.93 ± 0.04	0.96 ± 0.04	0.98 ± 0.03	1.09 ± 0.03		0.99 ± 0.05	1.07 ± 0.02
gsk3b	0.98 ± 0.05	0.93 ± 0.03		0.90 ± 0.05	0.91 ± 0.02	1.06 ± 0.02	1.06 ± 0.03		1.06 ± 0.03	1.12 ± 0.03
gspt1	0.97 ± 0.02	0.93 ± 0.02		0.97 ± 0.02	0.96 ± 0.02	1.06 ± 0.02	1.07 ± 0.03	†	1.09 ± 0.02	1.01 ± 0.02
hdac3	1.02 ± 0.02	1.00 ± 0.02		0.99 ± 0.02	1.03 ± 0.02	0.98 ± 0.02	0.97 ± 0.02	*	1.03 ± 0.02	0.99 ± 0.02
hdac7a	1.40 ± 0.11	1.05 ± 0.12		1.33 ± 0.10	0.85 ± 0.04	1.14 ± 0.05	0.99 ± 0.06	*	0.92 ± 0.04	0.84 ± 0.03
hirip5	1.34 ± 0.24	1.06 ± 0.09		1.25 ± 0.28	0.76 ± 0.22	0.88 ± 0.09	1.06 ± 0.08	*†	0.45 ± 0.07†	0.93 ± 0.07
hspa8	0.96 ± 0.01	0.96 ± 0.03	†	0.87 ± 0.01†	1.06 ± 0.01†	0.99 ± 0.01	1.04 ± 0.02	*†	1.06 ± 0.02†	1.04 ± 0.03
id2	0.91 ± 0.02	0.96 ± 0.01	*	0.97 ± 0.01	1.08 ± 0.02	0.99 ± 0.01	1.09 ± 0.01	*	1.05 ± 0.02	1.20 ± 0.01
igf2	1.09 ± 0.02	1.09 ± 0.04	*	0.82 ± 0.12	1.02 ± 0.05	1.07 ± 0.04	0.95 ± 0.04	*	0.94 ± 0.05	0.93 ± 0.03
il18	1.20 ± 0.02	1.21 ± 0.02	*	1.31 ± 0.04	1.47 ± 0.04	0.78 ± 0.02	0.74 ± 0.01	*	0.74 ± 0.02	0.69 ± 0.01
il1a	0.87 ± 0.14	1.20 ± 0.24		0.84 ± 0.14	0.85 ± 0.12	1.06 ± 0.14	0.97 ± 0.13		0.91 ± 0.11	1.03 ± 0.14
il1b	0.88 ± 0.06	1.11 ± 0.05	†	1.17 ± 0.11†	0.71 ± 0.10†	1.03 ± 0.13	0.89 ± 0.11		0.87 ± 0.10	0.92 ± 0.09
ilkap	1.15 ± 0.03	1.10 ± 0.02		1.13 ± 0.03	1.03 ± 0.03	0.95 ± 0.02	0.86 ± 0.04		0.96 ± 0.03	0.82 ± 0.02
inha	0.99 ± 0.03	1.00 ± 0.02		0.98 ± 0.02	0.96 ± 0.05	0.91 ± 0.04	1.15 ± 0.04		0.97 ± 0.04	1.12 ± 0.05
itgb1	0.75 ± 0.09	0.68 ± 0.08		0.74 ± 0.09	0.63 ± 0.03	1.14 ± 0.04	1.23 ± 0.10		1.13 ± 0.07	1.39 ± 0.10
jag2	0.87 ± 0.08	0.84 ± 0.03		0.83 ± 0.06	0.83 ± 0.02	1.10 ± 0.04	1.07 ± 0.03		1.08 ± 0.05	1.17 ± 0.04
jun	0.79 ± 0.03	0.71 ± 0.02	*	0.90 ± 0.02	0.74 ± 0.03	1.07 ± 0.02	1.90 ± 0.02	*†	1.15 ± 0.03	2.19 ± 0.02†
junb	0.56 ± 0.02	0.58 ± 0.03	*†	0.67 ± 0.02†	0.60 ± 0.02	1.22 ± 0.06	1.24 ± 0.03	*	1.54 ± 0.09	1.37 ± 0.05
jund	0.85 ± 0.01	0.78 ± 0.02	*	0.93 ± 0.01	0.90 ± 0.02	1.06 ± 0.03	1.42 ± 0.03	*	1.20 ± 0.04	1.62 ± 0.04
kras2	0.89 ± 0.02	0.84 ± 0.02		0.90 ± 0.03	0.84 ± 0.05	1.17 ± 0.03	1.07 ± 0.03		1.15 ± 0.04	1.09 ± 0.03
loc288698	1.10 ± 0.03	1.08 ± 0.03		1.10 ± 0.05	1.18 ± 0.03	0.97 ± 0.02	0.84 ± 0.02		0.95 ± 0.02	0.81 ± 0.02
lyn	1.24 ± 0.06	1.19 ± 0.04	*	1.39 ± 0.05	1.40 ± 0.03	0.82 ± 0.04	0.76 ± 0.03		0.77 ± 0.06	0.75 ± 0.03
maf	1.13 ± 0.07	1.17 ± 0.14		1.18 ± 0.09	1.04 ± 0.13	0.84 ± 0.10	0.92 ± 0.07		0.82 ± 0.05	0.84 ± 0.03
mafk	1.01 ± 0.09	0.71 ± 0.05	†	0.89 ± 0.07	0.84 ± 0.03	1.12 ± 0.16	0.98 ± 0.06	*	1.22 ± 0.11	1.29 ± 0.05
map3k8	1.26 ± 0.21	1.36 ± 0.16		1.34 ± 0.14	1.40 ± 0.10	0.99 ± 0.06	0.86 ± 0.03	†	0.79 ± 0.06†	1.07 ± 0.09†
mapk1	0.95 ± 0.02	0.92 ± 0.03		0.94 ± 0.01	0.90 ± 0.04	1.09 ± 0.03	1.14 ± 0.04		1.12 ± 0.04	1.11 ± 0.04
mapk12	0.98 ± 0.05	0.85 ± 0.04		0.99 ± 0.05	0.95 ± 0.03	1.09 ± 0.02	0.99 ± 0.02	*	1.15 ± 0.07	1.09 ± 0.02
mapk13	1.03 ± 0.04	1.04 ± 0.06	†	1.25 ± 0.08†	0.87 ± 0.10	0.96 ± 0.06	0.83 ± 0.07	*	1.31 ± 0.18	1.00 ± 0.07
mapk3	1.00 ± 0.03	0.89 ± 0.04		0.96 ± 0.05	0.92 ± 0.03	1.02 ± 0.05	1.04 ± 0.05		1.00 ± 0.03	1.05 ± 0.04
mapk4	0.94 ± 0.02	0.96 ± 0.04		0.97 ± 0.02	0.93 ± 0.02	1.19 ± 0.09	1.06 ± 0.05		1.09 ± 0.01	1.02 ± 0.02
mapk6	0.95 ± 0.03	0.95 ± 0.02		0.94 ± 0.03	0.94 ± 0.01	1.08 ± 0.03	1.07 ± 0.02		1.10 ± 0.03	1.11 ± 0.03
mas1	1.03 ± 0.08	1.09 ± 0.04		1.07 ± 0.09	1.06 ± 0.04	0.97 ± 0.07	0.89 ± 0.09		0.88 ± 0.05	0.88 ± 0.03
mcm5	1.13 ± 0.03	1.08 ± 0.02	*	1.00 ± 0.02	1.05 ± 0.03	0.96 ± 0.04	0.77 ± 0.02		0.94 ± 0.04	0.77 ± 0.03
mcmd6	1.30 ± 0.05	1.31 ± 0.05	*†	1.07 ± 0.04†	1.25 ± 0.04	0.89 ± 0.02	0.65 ± 0.02	*†	0.90 ± 0.03	0.55 ± 0.02†
mdk	1.02 ± 0.02	0.94 ± 0.01		1.05 ± 0.04	0.92 ± 0.02	1.06 ± 0.03	1.01 ± 0.02	†	1.01 ± 0.01	1.09 ± 0.01†
mertk	1.56 ± 0.47	1.40 ± 0.18		1.05 ± 0.23	1.04 ± 0.12	0.70 ± 0.11	1.25 ± 0.18		0.81 ± 0.11	1.22 ± 0.25
met	0.65 ± 0.08	1.31 ± 0.18		1.10 ± 0.18	1.28 ± 0.21	0.88 ± 0.14	0.96 ± 0.03		1.00 ± 0.05	1.02 ± 0.02
mid1	1.14 ± 0.06	1.05 ± 0.29		1.11 ± 0.28	1.10 ± 0.20	0.90 ± 0.22	1.00 ± 0.22		0.74 ± 0.08	0.94 ± 0.27
mnat1	0.96 ± 0.02	0.99 ± 0.01		0.97 ± 0.02	0.98 ± 0.01	1.01 ± 0.02	1.02 ± 0.01		1.02 ± 0.02	1.00 ± 0.01
mos	1.01 ± 0.12	0.90 ± 0.18		1.01 ± 0.07	0.97 ± 0.07	0.94 ± 0.14	0.90 ± 0.09	*	1.27 ± 0.13	1.04 ± 0.13
mre11a	0.90 ± 0.04	0.96 ± 0.08		1.01 ± 0.03	0.97 ± 0.03	1.17 ± 0.06	1.02 ± 0.09		1.14 ± 0.07	0.87 ± 0.05
msh2	1.17 ± 0.02	1.18 ± 0.05	*	1.13 ± 0.02	1.11 ± 0.02	0.93 ± 0.01	0.77 ± 0.02	*	0.90 ± 0.01	0.71 ± 0.01
myc	1.39 ± 0.15	0.97 ± 0.03		1.45 ± 0.12	0.94 ± 0.03	1.31 ± 0.11	0.44 ± 0.01	†	1.09 ± 0.09	0.61 ± 0.03†
mycl1	0.89 ± 0.04	1.09 ± 0.09		0.94 ± 0.04	1.02 ± 0.09	1.07 ± 0.13	1.06 ± 0.10		1.01 ± 0.04	1.01 ± 0.07
mycn	1.10 ± 0.04	1.14 ± 0.13	*	0.90 ± 0.11	0.72 ± 0.15	0.90 ± 0.12	1.04 ± 0.15		1.32 ± 0.20	0.94 ± 0.10
mycs	1.02 ± 0.01	1.02 ± 0.03	*	1.05 ± 0.03	1.12 ± 0.01	0.89 ± 0.06	0.94 ± 0.05		0.95 ± 0.01	0.93 ± 0.04
n-myc	0.77 ± 0.17	0.60 ± 0.20	*†	1.19 ± 0.15†	2.19 ± 0.27†	0.72 ± 0.12	1.00 ± 0.15	†	1.31 ± 0.17†	0.78 ± 0.13
nbl1	0.98 ± 0.03	1.01 ± 0.04		0.97 ± 0.02	1.00 ± 0.04	0.96 ± 0.03	1.04 ± 0.04		1.00 ± 0.01	1.08 ± 0.02

Supplemental Table 3 (continued)										
nbn	0.99 ± 0.01	0.89 ± 0.02		1.00 ± 0.02	0.90 ± 0.02	1.22 ± 0.03	1.00 ± 0.02		1.21 ± 0.04	0.97 ± 0.02
nedd4a	1.06 ± 0.03	0.97 ± 0.04		1.05 ± 0.04	0.97 ± 0.05	0.98 ± 0.03	0.89 ± 0.05		1.01 ± 0.05	0.89 ± 0.05
nedd8	1.01 ± 0.01	1.01 ± 0.01		1.00 ± 0.01	1.02 ± 0.01	0.95 ± 0.01	1.02 ± 0.01		0.95 ± 0.01	1.02 ± 0.02
nek2	1.09 ± 0.03	1.12 ± 0.06	*	0.98 ± 0.07	1.01 ± 0.03	1.01 ± 0.09	0.89 ± 0.04		0.96 ± 0.05	0.81 ± 0.04
nf2	0.98 ± 0.12	0.82 ± 0.07		1.00 ± 0.14	0.84 ± 0.10	1.15 ± 0.10	1.04 ± 0.11	†	1.06 ± 0.13	1.50 ± 0.12†
notch2	1.05 ± 0.09	1.06 ± 0.06	*	0.95 ± 0.04	0.96 ± 0.03	1.20 ± 0.09	1.04 ± 0.08		1.04 ± 0.03	0.97 ± 0.07
npm1	0.99 ± 0.02	0.99 ± 0.01	*	1.04 ± 0.02	1.04 ± 0.02	1.01 ± 0.01	0.89 ± 0.02		1.03 ± 0.03	0.86 ± 0.02
nr2f6	0.98 ± 0.04	1.04 ± 0.02		0.98 ± 0.01	1.07 ± 0.02	1.05 ± 0.02	0.97 ± 0.03		1.07 ± 0.02	0.96 ± 0.01
nras	0.86 ± 0.02	0.84 ± 0.02	*	0.89 ± 0.03	0.93 ± 0.02	1.05 ± 0.02	1.09 ± 0.03	*	1.15 ± 0.03	1.17 ± 0.03
nucks	1.11 ± 0.09	1.09 ± 0.04		1.14 ± 0.11	1.09 ± 0.04	0.92 ± 0.06	0.90 ± 0.06		0.89 ± 0.06	0.89 ± 0.07
pal31	1.08 ± 0.04	1.01 ± 0.02		1.01 ± 0.05	1.00 ± 0.08	1.00 ± 0.05	0.89 ± 0.08		1.09 ± 0.07	0.88 ± 0.08
par3	1.00 ± 0.04	0.95 ± 0.03		1.00 ± 0.03	0.90 ± 0.03	1.05 ± 0.03	1.02 ± 0.02		1.04 ± 0.01	1.03 ± 0.03
park2	1.07 ± 0.05	1.01 ± 0.05		0.98 ± 0.02	1.03 ± 0.04	1.00 ± 0.06	1.02 ± 0.04		1.04 ± 0.05	1.06 ± 0.05
pbef1	0.87 ± 0.01	0.89 ± 0.02	*	0.93 ± 0.02	0.98 ± 0.01	1.09 ± 0.03	1.29 ± 0.03	*	1.14 ± 0.03	1.36 ± 0.01
pcm1	1.33 ± 0.04	1.18 ± 0.03		1.37 ± 0.05	1.22 ± 0.04	0.89 ± 0.01	0.74 ± 0.02	†	0.83 ± 0.02†	0.75 ± 0.01
pdgfa	1.01 ± 0.02	1.10 ± 0.04		1.04 ± 0.04	1.17 ± 0.04	0.81 ± 0.03	0.95 ± 0.01	*	0.88 ± 0.02	1.00 ± 0.03
pdgfb	0.94 ± 0.11	1.11 ± 0.21		0.91 ± 0.18	1.07 ± 0.17	0.80 ± 0.09	1.27 ± 0.19		0.95 ± 0.24	1.28 ± 0.35
pdgfc	1.04 ± 0.27	1.11 ± 0.17		1.89 ± 0.81	0.97 ± 0.22	1.16 ± 0.14	0.70 ± 0.11		0.90 ± 0.18	0.72 ± 0.04
pgf	1.43 ± 0.04	1.65 ± 0.04	*	1.29 ± 0.03	1.46 ± 0.02	0.74 ± 0.03	0.71 ± 0.01	*†	0.74 ± 0.02	0.62 ± 0.01†
pglyrp1	0.99 ± 0.03	1.01 ± 0.02		1.01 ± 0.01	1.01 ± 0.02	1.00 ± 0.02	1.02 ± 0.01		1.00 ± 0.02	1.00 ± 0.01
pkcbpb15	1.06 ± 0.04	1.12 ± 0.03		1.03 ± 0.02	1.14 ± 0.03	0.85 ± 0.04	0.97 ± 0.04		0.88 ± 0.03	0.94 ± 0.03
pkd1	1.08 ± 0.04	1.02 ± 0.03		1.03 ± 0.01	1.02 ± 0.03	0.96 ± 0.02	0.98 ± 0.02	*	0.93 ± 0.03	0.90 ± 0.04
plagl1	2.22 ± 0.37	0.60 ± 0.09		1.97 ± 0.29	0.61 ± 0.11	2.00 ± 0.30	0.47 ± 0.04	†	1.14 ± 0.17†	0.62 ± 0.04
plcb1	0.98 ± 0.12	1.37 ± 0.27		1.36 ± 0.23	1.10 ± 0.14	0.85 ± 0.05	0.99 ± 0.15		0.72 ± 0.08	1.20 ± 0.16
plk1	1.09 ± 0.03	1.12 ± 0.03		1.05 ± 0.03	1.07 ± 0.03	0.98 ± 0.03	0.85 ± 0.03		0.91 ± 0.02	0.73 ± 0.02
plk2	0.20 ± 0.01	0.17 ± 0.01	*	0.24 ± 0.01	0.22 ± 0.01	1.89 ± 0.06	2.75 ± 0.14	*	2.33 ± 0.07	3.26 ± 0.10
plk3	0.65 ± 0.04	0.86 ± 0.08		0.79 ± 0.10	1.03 ± 0.14	1.02 ± 0.08	1.23 ± 0.09	†	1.28 ± 0.10	1.10 ± 0.08
pmp22	0.54 ± 0.02	0.54 ± 0.03		0.59 ± 0.03	0.53 ± 0.03	1.46 ± 0.05	2.22 ± 0.04	*†	1.62 ± 0.06†	3.03 ± 0.04†
ppm1g	0.98 ± 0.04	1.00 ± 0.03		0.93 ± 0.03	1.03 ± 0.02	1.07 ± 0.05	0.95 ± 0.04		1.06 ± 0.04	0.92 ± 0.03
ppp2ca	0.98 ± 0.02	0.94 ± 0.02	†	0.94 ± 0.02	0.99 ± 0.01†	1.05 ± 0.01	1.09 ± 0.03	†	1.12 ± 0.02†	1.07 ± 0.01
ppp3ca	0.96 ± 0.02	0.86 ± 0.03		1.01 ± 0.04	0.85 ± 0.04	1.04 ± 0.03	1.10 ± 0.04	*†	1.07 ± 0.02	1.26 ± 0.01†
ppp6c	0.92 ± 0.03	0.92 ± 0.03		0.91 ± 0.03	0.91 ± 0.03	1.03 ± 0.02	1.05 ± 0.02		1.11 ± 0.03	1.03 ± 0.04
prok1	1.05 ± 0.03	1.00 ± 0.02		0.94 ± 0.03	0.96 ± 0.08	1.10 ± 0.06	1.00 ± 0.03		1.03 ± 0.01	1.04 ± 0.05
psmd1	0.98 ± 0.01	0.93 ± 0.01		0.98 ± 0.01	0.96 ± 0.02	1.01 ± 0.01	1.03 ± 0.01		1.01 ± 0.01	1.03 ± 0.01
pten	0.99 ± 0.06	0.95 ± 0.03		0.99 ± 0.08	0.90 ± 0.03	1.03 ± 0.03	1.05 ± 0.04	†	0.97 ± 0.04	1.14 ± 0.05
ptgds	1.15 ± 0.08	1.13 ± 0.03	*	0.91 ± 0.05	0.95 ± 0.06	1.07 ± 0.10	1.02 ± 0.04		0.94 ± 0.05	1.03 ± 0.04
ptgs2	1.22 ± 0.21	1.15 ± 0.15		0.82 ± 0.12	1.27 ± 0.18	1.22 ± 0.17	0.94 ± 0.18	†	0.85 ± 0.09	1.27 ± 0.25
ptn	0.86 ± 0.03	0.72 ± 0.02	*	0.90 ± 0.03	0.79 ± 0.01	1.31 ± 0.04	2.07 ± 0.07	*†	1.17 ± 0.05	1.56 ± 0.06†
pttg1	1.19 ± 0.01	1.25 ± 0.01	*	1.18 ± 0.01	1.21 ± 0.01	0.77 ± 0.01	0.83 ± 0.01	*	0.68 ± 0.01	0.74 ± 0.01
rad50	1.24 ± 0.10	1.28 ± 0.15	*	1.07 ± 0.03	1.00 ± 0.05	0.95 ± 0.06	0.78 ± 0.05		0.92 ± 0.04	0.79 ± 0.03
rad9	1.02 ± 0.04	1.00 ± 0.07		0.98 ± 0.04	1.07 ± 0.05	1.01 ± 0.03	0.93 ± 0.04		1.08 ± 0.06	1.01 ± 0.05
raf1	1.11 ± 0.01	1.10 ± 0.06	*	0.93 ± 0.06	1.09 ± 0.05	0.91 ± 0.05	0.99 ± 0.01	†	0.97 ± 0.05	0.89 ± 0.03
ran	0.97 ± 0.02	0.98 ± 0.02		0.98 ± 0.01	1.01 ± 0.01	1.06 ± 0.02	0.98 ± 0.02		1.08 ± 0.03	0.98 ± 0.02
rb1	1.09 ± 0.02	1.06 ± 0.03		1.11 ± 0.03	1.10 ± 0.02	0.95 ± 0.02	0.87 ± 0.02		0.93 ± 0.02	0.85 ± 0.04
rbl2	1.26 ± 0.01	1.24 ± 0.03	*	1.23 ± 0.03	1.16 ± 0.04	0.85 ± 0.01	0.89 ± 0.03	*†	0.76 ± 0.02†	0.90 ± 0.02
ret	0.48 ± 0.02	0.50 ± 0.01	*	0.51 ± 0.01	0.52 ± 0.01	1.72 ± 0.05	1.78 ± 0.03	*	1.59 ± 0.04	1.55 ± 0.03
rgs2	0.72 ± 0.05	0.79 ± 0.07	*	1.02 ± 0.07	0.94 ± 0.10	1.26 ± 0.16	2.45 ± 0.32		1.05 ± 0.11	2.78 ± 0.22
ros1	1.09 ± 0.23	1.50 ± 0.24		1.02 ± 0.19	1.58 ± 0.28	1.15 ± 0.36	1.29 ± 0.09	*	0.65 ± 0.02	0.81 ± 0.05
rps4x	0.99 ± 0.01	1.01 ± 0.01		1.00 ± 0.02	1.01 ± 0.01	1.01 ± 0.01	0.94 ± 0.02		1.02 ± 0.02	0.97 ± 0.02
s100a6	0.71 ± 0.01	0.57 ± 0.01	†	0.73 ± 0.01	0.54 ± 0.01	1.92 ± 0.05	1.31 ± 0.04	*	2.00 ± 0.05	1.43 ± 0.04
sfrs5	1.21 ± 0.07	1.02 ± 0.02	†	1.08 ± 0.05	1.10 ± 0.02	0.90 ± 0.06	0.94 ± 0.04		0.84 ± 0.07	0.84 ± 0.04
siah2	0.93 ± 0.05	1.00 ± 0.05	†	1.10 ± 0.05†	0.96 ± 0.06	1.04 ± 0.05	0.94 ± 0.07		1.02 ± 0.03	1.02 ± 0.06
sirt2	1.02 ± 0.02	0.97 ± 0.04		0.99 ± 0.03	0.99 ± 0.03	1.14 ± 0.11	1.10 ± 0.03	*	0.89 ± 0.02	0.95 ± 0.04
slc12a4	0.92 ± 0.03	0.85 ± 0.02	*	0.97 ± 0.02	0.92 ± 0.02	1.00 ± 0.03	1.06 ± 0.03	*	1.07 ± 0.03	1.21 ± 0.03
snai1	0.97 ± 0.02	0.99 ± 0.02		0.96 ± 0.03	0.98 ± 0.02	0.98 ± 0.02	1.04 ± 0.03		0.98 ± 0.01	1.07 ± 0.02
socs1	0.88 ± 0.07	1.04 ± 0.04		0.91 ± 0.06	1.03 ± 0.03	1.01 ± 0.07	0.98 ± 0.05		1.00 ± 0.05	0.96 ± 0.05
spag5	1.08 ± 0.02	1.08 ± 0.02	*	1.12 ± 0.02	1.11 ± 0.01	0.96 ± 0.01	0.80 ± 0.01	*	0.89 ± 0.01	0.75 ± 0.01
src	0.83 ± 0.05	1.08 ± 0.03		0.99 ± 0.08	0.97 ± 0.06	0.91 ± 0.04	1.10 ± 0.09		1.08 ± 0.08	1.05 ± 0.04

Supplemental Table 3 (continued)										
stag3	0.84 ± 0.16	1.07 ± 0.15		0.94 ± 0.16	1.11 ± 0.12	0.92 ± 0.11	1.02 ± 0.07	*	1.22 ± 0.13	1.14 ± 0.13
stk6	0.99 ± 0.03	1.11 ± 0.01		1.02 ± 0.01	1.16 ± 0.02	0.95 ± 0.04	0.88 ± 0.04	*	0.91 ± 0.02	0.79 ± 0.03
tacc1a	1.07 ± 0.04	1.04 ± 0.07		1.01 ± 0.05	1.02 ± 0.06	1.03 ± 0.05	0.99 ± 0.04		1.06 ± 0.05	0.91 ± 0.06
tcf19	1.14 ± 0.02	1.07 ± 0.02	*	1.12 ± 0.01	1.01 ± 0.01	0.96 ± 0.02	0.76 ± 0.02	*	0.92 ± 0.01	0.69 ± 0.01
tgfa	1.20 ± 0.06	1.16 ± 0.10	*	0.98 ± 0.07	0.96 ± 0.05	1.07 ± 0.08	0.85 ± 0.03	†	0.96 ± 0.04	1.28 ± 0.17†
tgfb1	0.84 ± 0.08	1.11 ± 0.12		0.78 ± 0.10	1.06 ± 0.06	1.58 ± 0.28	1.22 ± 0.18	*†	0.89 ± 0.11†	1.08 ± 0.07
tgfb2	1.18 ± 0.24	1.07 ± 0.17		1.23 ± 0.33	0.92 ± 0.18	0.65 ± 0.17	1.35 ± 0.17	†	1.00 ± 0.12	0.91 ± 0.12
tgfb3	1.00 ± 0.05	1.05 ± 0.08		0.94 ± 0.04	0.94 ± 0.04	1.17 ± 0.09	1.02 ± 0.04	†	0.95 ± 0.04	1.18 ± 0.09
thpo	0.89 ± 0.09	0.95 ± 0.09		1.06 ± 0.11	1.03 ± 0.03	0.88 ± 0.08	1.01 ± 0.07		1.05 ± 0.07	0.99 ± 0.04
thra	1.10 ± 0.02	1.19 ± 0.03		1.08 ± 0.05	1.08 ± 0.05	0.90 ± 0.04	0.89 ± 0.04		0.84 ± 0.03	0.85 ± 0.01
tp53	1.38 ± 0.16	1.41 ± 0.19	*	1.04 ± 0.06	1.10 ± 0.08	0.95 ± 0.10	0.90 ± 0.11		0.93 ± 0.03	0.69 ± 0.04
trp63	1.07 ± 0.17	1.11 ± 0.20		0.88 ± 0.14	0.92 ± 0.13	1.12 ± 0.18	0.96 ± 0.05		1.00 ± 0.05	0.90 ± 0.12
tsc1	0.90 ± 0.03	1.13 ± 0.04		0.89 ± 0.05	1.00 ± 0.10	1.07 ± 0.12	1.05 ± 0.11		1.07 ± 0.08	1.06 ± 0.05
tsc2	1.00 ± 0.03	1.06 ± 0.04		0.97 ± 0.02	1.10 ± 0.03	0.99 ± 0.02	0.98 ± 0.03	*†	1.11 ± 0.02†	0.98 ± 0.02
ube1c	0.99 ± 0.04	0.94 ± 0.02		1.00 ± 0.02	0.99 ± 0.03	1.09 ± 0.04	1.02 ± 0.03		1.09 ± 0.04	0.97 ± 0.03
uchl1	0.95 ± 0.03	0.93 ± 0.02		0.91 ± 0.03	0.97 ± 0.02	1.01 ± 0.04	1.21 ± 0.05		1.09 ± 0.03	1.24 ± 0.05
uchl3	0.96 ± 0.01	0.94 ± 0.01		0.98 ± 0.01	0.95 ± 0.02	1.04 ± 0.02	1.07 ± 0.03		1.05 ± 0.03	1.09 ± 0.02
vav1	1.02 ± 0.19	1.27 ± 0.15		0.97 ± 0.08	1.19 ± 0.16	0.70 ± 0.12	1.03 ± 0.20		0.87 ± 0.06	1.12 ± 0.11
vegf	1.34 ± 0.13	1.38 ± 0.08		1.25 ± 0.15	1.20 ± 0.04	0.57 ± 0.02	0.71 ± 0.06		0.57 ± 0.04	0.71 ± 0.09
vegfb	0.89 ± 0.05	0.93 ± 0.05	*	1.05 ± 0.06	1.00 ± 0.03	0.90 ± 0.04	1.07 ± 0.04	*	0.96 ± 0.05	1.26 ± 0.09
vegfc	0.90 ± 0.05	0.79 ± 0.09		0.99 ± 0.06	0.88 ± 0.04	1.10 ± 0.05	1.09 ± 0.05	*	1.36 ± 0.07	1.25 ± 0.10
vhl	1.00 ± 0.02	1.06 ± 0.02		0.99 ± 0.02	1.07 ± 0.03	1.01 ± 0.02	1.01 ± 0.01	*	0.95 ± 0.01	0.95 ± 0.02
wt1	1.40 ± 0.52	1.89 ± 0.47	†	1.34 ± 0.35	0.56 ± 0.16†	0.98 ± 0.29	1.33 ± 0.30		1.62 ± 0.42	1.30 ± 0.22

Normalized expression ratios are given as mean ± SE obtained from five independent cultures in each group, with the sample from each culture run on a separate array. Several of the values reported in this table have appeared in previous studies of other gene groupings [1,3-7,9,10].
*Significant main treatment effect in two-factor ANOVA (treatment, time).
†Interaction of treatment × time; then, † denotes significant treatment effect for a given time point.

Global statistical analysis of Table 3: ANOVA factors of treatment, differentiation state, gene, time[§]
Treatment × gene, $p < 0.0001$; treatment × state, $p < 0.03$; treatment × gene × time, $p < 0.0003$; treatment × gene × state, $p < 0.0001$; treatment × gene × state × time, $p < 0.0001$

Undifferentiated: treatment main effect (Control > CPF), $p < 0.005$; treatment × gene, $p < 0.0001$; treatment × gene × time, $p < 0.005$
Differentiating: treatment × gene, $p < 0.0001$; treatment × gene × time, $p < 0.0001$

[§]results shown include only treatment effects and interactions of treatment with other variables

Supplemental Table 4. Apoptosis Genes In Vitro

	Undifferentiated					Differentiating				
Gene	Control			Chlorpyrifos		Control			Chlorpyrifos	
	24h	72h		24h	72h	24h	72h		24h	72h
aatf	1.14 ± 0.05	1.14 ± 0.07		1.17 ± 0.04	1.10 ± 0.05	0.85 ± 0.04	0.86 ± 0.05		0.85 ± 0.05	0.88 ± 0.05
aatk	0.82 ± 0.05	0.91 ± 0.11	*	1.11 ± 0.12	1.24 ± 0.26	1.03 ± 0.18	1.07 ± 0.15		1.05 ± 0.07	1.07 ± 0.07
accn1	1.10 ± 0.15	1.03 ± 0.13		0.93 ± 0.09	0.92 ± 0.06	1.34 ± 0.21	1.02 ± 0.05		0.94 ± 0.08	1.02 ± 0.07
adam17	0.92 ± 0.04	0.89 ± 0.06		0.96 ± 0.05	0.93 ± 0.04	0.97 ± 0.05	1.14 ± 0.03		1.07 ± 0.05	1.14 ± 0.04
ahr	0.97 ± 0.08	1.05 ± 0.07		1.05 ± 0.05	1.14 ± 0.05	0.82 ± 0.07	0.94 ± 0.06		0.98 ± 0.05	1.05 ± 0.11
aipl1	0.93 ± 0.06	1.12 ± 0.09		0.92 ± 0.06	1.03 ± 0.04	1.07 ± 0.09	1.00 ± 0.04		1.06 ± 0.05	0.98 ± 0.05
akt1	0.94 ± 0.04	0.88 ± 0.02		0.91 ± 0.02	0.91 ± 0.02	1.03 ± 0.03	1.09 ± 0.01	†	1.13 ± 0.04	1.08 ± 0.03
alox15	1.02 ± 0.03	1.04 ± 0.03		1.01 ± 0.03	1.05 ± 0.04	0.98 ± 0.03	0.98 ± 0.04		0.96 ± 0.06	0.95 ± 0.02
amid	1.10 ± 0.08	1.00 ± 0.05		0.98 ± 0.07	1.12 ± 0.10	1.04 ± 0.05	0.94 ± 0.06		1.02 ± 0.04	1.00 ± 0.12
amigo2	1.14 ± 0.06	0.87 ± 0.06		1.14 ± 0.06	0.98 ± 0.16	0.85 ± 0.10	1.01 ± 0.13		0.61 ± 0.06	0.91 ± 0.11
apaf1	0.99 ± 0.03	1.11 ± 0.03		0.99 ± 0.08	1.14 ± 0.03	0.98 ± 0.02	0.97 ± 0.02		1.01 ± 0.04	0.96 ± 0.02
apbb2	0.66 ± 0.02	0.64 ± 0.02		0.68 ± 0.02	0.64 ± 0.03	1.34 ± 0.03	1.28 ± 0.02	*	1.46 ± 0.04	1.35 ± 0.06
apbb3	0.94 ± 0.07	0.95 ± 0.05		0.86 ± 0.04	0.99 ± 0.08	1.16 ± 0.05	1.09 ± 0.03	†	1.01 ± 0.04†	1.28 ± 0.04†
api2	0.99 ± 0.02	1.01 ± 0.04		1.03 ± 0.03	1.02 ± 0.04	1.07 ± 0.05	0.99 ± 0.06	*	0.95 ± 0.04	0.87 ± 0.02
api5	1.10 ± 0.03	0.99 ± 0.04		1.01 ± 0.03	0.96 ± 0.05	1.03 ± 0.03	0.83 ± 0.04		1.06 ± 0.01	0.84 ± 0.02
aplp1	0.91 ± 0.02	0.95 ± 0.01		0.90 ± 0.02	1.01 ± 0.04	1.01 ± 0.02	1.26 ± 0.04	*	1.07 ± 0.02	1.29 ± 0.03
apoe	1.28 ± 0.10	1.47 ± 0.13	*	1.05 ± 0.05	1.14 ± 0.11	0.87 ± 0.03	1.04 ± 0.03	*	0.82 ± 0.02	0.87 ± 0.04
app	0.96 ± 0.02	0.81 ± 0.01		0.97 ± 0.04	0.86 ± 0.02	1.04 ± 0.02	1.04 ± 0.02	*†	1.08 ± 0.01	1.16 ± 0.02†
appbp1	1.06 ± 0.03	1.05 ± 0.01		1.06 ± 0.02	1.06 ± 0.03	1.00 ± 0.02	0.83 ± 0.01	*	0.94 ± 0.02	0.82 ± 0.02
atm	1.43 ± 0.07	1.29 ± 0.06	*	1.28 ± 0.09	1.15 ± 0.05	0.86 ± 0.05	0.72 ± 0.02	*	0.80 ± 0.04	0.64 ± 0.03
aven	0.91 ± 0.01	0.90 ± 0.03		0.88 ± 0.02	0.94 ± 0.03	1.09 ± 0.03	1.19 ± 0.03	†	1.22 ± 0.04†	1.06 ± 0.01†
axud1	0.94 ± 0.06	1.01 ± 0.03		0.96 ± 0.02	1.03 ± 0.03	0.99 ± 0.05	1.02 ± 0.04		0.98 ± 0.03	1.09 ± 0.06
bad	0.92 ± 0.01	1.01 ± 0.01	*	1.01 ± 0.01	1.05 ± 0.02	1.00 ± 0.04	0.99 ± 0.03		1.01 ± 0.03	0.99 ± 0.03
bat3	1.01 ± 0.05	1.07 ± 0.04		0.95 ± 0.03	1.03 ± 0.04	0.99 ± 0.04	1.05 ± 0.04		0.98 ± 0.04	1.06 ± 0.04
bax	1.05 ± 0.02	1.03 ± 0.01	*	1.08 ± 0.02	1.09 ± 0.02	0.96 ± 0.01	0.94 ± 0.02		0.94 ± 0.01	0.94 ± 0.01
bbc3	0.89 ± 0.02	0.85 ± 0.02	*	0.93 ± 0.02	0.92 ± 0.02	1.09 ± 0.02	1.73 ± 0.04	*	1.12 ± 0.03	1.86 ± 0.05
bcl10	0.78 ± 0.02	0.77 ± 0.01		0.81 ± 0.01	0.78 ± 0.01	1.44 ± 0.03	1.22 ± 0.03		1.47 ± 0.04	1.26 ± 0.02
bcl2	1.09 ± 0.05	0.92 ± 0.07		1.07 ± 0.08	1.16 ± 0.10	1.18 ± 0.14	0.96 ± 0.03	†	0.94 ± 0.06	1.04 ± 0.03
bcl2a1	0.69 ± 0.14	1.10 ± 0.17		1.23 ± 0.22	1.27 ± 0.39	0.93 ± 0.16	1.53 ± 0.22		0.86 ± 0.11	0.98 ± 0.15
bcl2l1	0.79 ± 0.05	1.02 ± 0.08		0.87 ± 0.08	0.95 ± 0.04	0.90 ± 0.06	1.19 ± 0.09		1.09 ± 0.10	1.17 ± 0.08
bcl2l10	1.01 ± 0.02	1.06 ± 0.03		1.04 ± 0.02	1.03 ± 0.03	0.97 ± 0.02	0.93 ± 0.02		0.97 ± 0.03	0.99 ± 0.03
bcl2l11	1.90 ± 1.08	0.96 ± 0.19		1.17 ± 0.21	1.21 ± 0.42	0.93 ± 0.13	1.16 ± 0.09		1.06 ± 0.23	0.81 ± 0.19
bcl2l13	0.97 ± 0.09	0.93 ± 0.06		0.99 ± 0.09	1.05 ± 0.09	0.84 ± 0.04	1.03 ± 0.05	*	1.19 ± 0.10	1.32 ± 0.10
bdnf	0.82 ± 0.23	0.92 ± 0.12	*	1.78 ± 0.36	2.05 ± 0.80	1.36 ± 0.30	1.27 ± 0.41		0.93 ± 0.42	0.92 ± 0.21
bfar	1.06 ± 0.02	1.05 ± 0.04		1.13 ± 0.06	1.02 ± 0.05	0.98 ± 0.04	0.95 ± 0.03		0.94 ± 0.03	0.96 ± 0.02
bid	0.79 ± 0.09	0.79 ± 0.09		0.88 ± 0.09	0.86 ± 0.08	1.15 ± 0.12	0.91 ± 0.05		1.11 ± 0.12	1.23 ± 0.12
bid3	1.60 ± 0.04	1.63 ± 0.06	*	1.69 ± 0.04	1.71 ± 0.04	0.48 ± 0.01	0.45 ± 0.01	*	0.44 ± 0.01	0.43 ± 0.02
biklk	1.25 ± 0.04	1.14 ± 0.03		1.24 ± 0.03	1.15 ± 0.04	0.89 ± 0.02	0.79 ± 0.02	*	0.80 ± 0.02	0.70 ± 0.02
birc1b	0.96 ± 0.03	0.98 ± 0.09		1.13 ± 0.18	1.25 ± 0.15	1.11 ± 0.05	1.05 ± 0.10	*	0.93 ± 0.03	0.80 ± 0.08
birc3	0.84 ± 0.11	1.16 ± 0.18	†	0.94 ± 0.09	0.75 ± 0.16	1.20 ± 0.10	0.93 ± 0.05	†	0.87 ± 0.09†	1.15 ± 0.06†
birc4	1.16 ± 0.05	1.00 ± 0.04	*	1.01 ± 0.09	0.97 ± 0.02	1.07 ± 0.07	0.94 ± 0.03	†	0.89 ± 0.06†	1.02 ± 0.02
birc5	0.97 ± 0.05	1.05 ± 0.05		0.99 ± 0.07	1.11 ± 0.07	0.88 ± 0.06	1.00 ± 0.10		0.83 ± 0.07	0.94 ± 0.06
bmf	1.11 ± 0.09	1.04 ± 0.36		0.85 ± 0.17	0.78 ± 0.11	0.97 ± 0.46	1.18 ± 0.18		1.28 ± 0.29	0.93 ± 0.21
bnip1	1.00 ± 0.03	1.03 ± 0.03	*	0.92 ± 0.02	0.98 ± 0.04	0.99 ± 0.01	1.04 ± 0.02	†	1.03 ± 0.01	0.95 ± 0.04
bnip3	1.27 ± 0.03	1.29 ± 0.02	*	1.15 ± 0.02	1.24 ± 0.01	0.58 ± 0.02	0.77 ± 0.03		0.59 ± 0.03	0.80 ± 0.04
bok	0.95 ± 0.03	0.99 ± 0.03	*	0.99 ± 0.03	1.07 ± 0.04	0.94 ± 0.02	1.04 ± 0.04	†	1.06 ± 0.03†	1.01 ± 0.03
brca1	1.00 ± 0.05	1.35 ± 0.02	†	1.40 ± 0.11†	1.24 ± 0.15	1.03 ± 0.10	0.80 ± 0.07		0.92 ± 0.06	0.90 ± 0.07
btbd14b	1.02 ± 0.03	0.94 ± 0.02		0.98 ± 0.05	1.04 ± 0.10	1.08 ± 0.10	1.12 ± 0.09	*	1.00 ± 0.08	0.82 ± 0.10
btg1	1.16 ± 0.02	1.10 ± 0.02		1.19 ± 0.04	1.08 ± 0.02	0.68 ± 0.02	0.78 ± 0.02		0.67 ± 0.03	0.86 ± 0.03
c9	1.22 ± 0.15	0.99 ± 0.09		0.94 ± 0.06	0.91 ± 0.06	1.11 ± 0.08	1.00 ± 0.07		0.91 ± 0.10	0.94 ± 0.05
casp1	0.64 ± 0.14	1.17 ± 0.36		0.83 ± 0.25	1.05 ± 0.10	0.89 ± 0.20	0.94 ± 0.24		0.87 ± 0.18	0.78 ± 0.24
casp12	1.35 ± 0.39	1.26 ± 0.05		1.00 ± 0.14	0.93 ± 0.08	0.98 ± 0.14	1.15 ± 0.16		0.92 ± 0.07	1.02 ± 0.03
casp2	1.12 ± 0.01	1.12 ± 0.01		1.12 ± 0.02	1.11 ± 0.02	0.93 ± 0.01	0.88 ± 0.01	*	0.87 ± 0.01	0.80 ± 0.01
casp3	0.89 ± 0.06	0.98 ± 0.02		0.94 ± 0.05	0.98 ± 0.07	1.19 ± 0.04	0.90 ± 0.06	†	0.94 ± 0.02†	1.14 ± 0.06†

Supplemental Table 4 (continued)										
casp4	0.88 ± 0.04	1.01 ± 0.02	*	0.81 ± 0.05	0.78 ± 0.04	1.01 ± 0.02	1.12 ± 0.02	*	1.08 ± 0.06	1.23 ± 0.02
casp6	0.99 ± 0.08	0.81 ± 0.10		0.84 ± 0.13	0.94 ± 0.05	1.03 ± 0.07	1.15 ± 0.04		0.98 ± 0.11	1.14 ± 0.09
casp7	1.12 ± 0.02	1.09 ± 0.02		1.08 ± 0.02	1.09 ± 0.02	0.94 ± 0.01	0.80 ± 0.02	*	0.86 ± 0.01	0.71 ± 0.02
casp8	0.83 ± 0.09	0.95 ± 0.13		1.06 ± 0.08	0.88 ± 0.14	1.24 ± 0.17	0.96 ± 0.05		1.06 ± 0.14	1.00 ± 0.04
casp9	0.91 ± 0.06	0.94 ± 0.12		0.98 ± 0.09	0.99 ± 0.07	0.99 ± 0.11	1.09 ± 0.16		1.12 ± 0.10	0.99 ± 0.03
cbl27	1.09 ± 0.01	1.06 ± 0.02	*	1.00 ± 0.04	1.02 ± 0.03	1.03 ± 0.04	0.97 ± 0.02	*†	0.92 ± 0.02†	0.96 ± 0.01
cd2	1.33 ± 0.27	1.03 ± 0.14		1.06 ± 0.24	1.02 ± 0.30	1.19 ± 0.21	1.09 ± 0.34		0.84 ± 0.28	0.73 ± 0.17
cd28	1.30 ± 0.40	1.10 ± 0.38		1.21 ± 0.27	0.79 ± 0.18	1.28 ± 0.25	0.96 ± 0.20		0.96 ± 0.23	0.99 ± 0.12
cd5l	1.05 ± 0.19	1.11 ± 0.10		0.83 ± 0.06	1.01 ± 0.09	1.55 ± 0.26	0.87 ± 0.15		1.11 ± 0.20	1.10 ± 0.31
cdkn1a	0.80 ± 0.03	0.98 ± 0.07	†	0.95 ± 0.04†	0.90 ± 0.05	1.15 ± 0.05	1.19 ± 0.02	*	0.95 ± 0.03	1.12 ± 0.04
cebpb	0.82 ± 0.07	0.92 ± 0.04	*	0.97 ± 0.06	1.07 ± 0.05	0.80 ± 0.01	1.08 ± 0.03	*†	1.13 ± 0.06†	1.22 ± 0.08
cflar	0.89 ± 0.03	0.83 ± 0.01	*	0.90 ± 0.06	0.96 ± 0.04	1.13 ± 0.05	1.08 ± 0.06	†	1.00 ± 0.04	1.16 ± 0.04
cipar1	1.11 ± 0.02	1.16 ± 0.01	*	1.10 ± 0.02	1.09 ± 0.01	0.90 ± 0.02	0.67 ± 0.01	*	0.82 ± 0.01	0.61 ± 0.01
col18a1	1.04 ± 0.07	1.22 ± 0.08	*	0.88 ± 0.03	1.05 ± 0.06	0.98 ± 0.05	0.85 ± 0.05	*	1.07 ± 0.03	0.97 ± 0.03
creb1	0.87 ± 0.03	0.88 ± 0.04	*	1.03 ± 0.04	0.99 ± 0.05	1.19 ± 0.10	1.03 ± 0.02	*	1.37 ± 0.07	1.13 ± 0.09
cse1l	1.07 ± 0.04	1.09 ± 0.02		1.08 ± 0.03	1.05 ± 0.03	0.97 ± 0.03	0.79 ± 0.02	*	0.90 ± 0.01	0.75 ± 0.01
cstb	0.91 ± 0.01	0.83 ± 0.01	*	1.00 ± 0.01	0.94 ± 0.02	0.99 ± 0.01	1.15 ± 0.02	*	1.12 ± 0.01	1.38 ± 0.02
cugbp2	0.93 ± 0.07	1.21 ± 0.06		0.92 ± 0.11	1.19 ± 0.30	1.25 ± 0.18	0.78 ± 0.09	†	0.92 ± 0.13	1.07 ± 0.13
dad1	1.05 ± 0.01	1.07 ± 0.01		1.04 ± 0.02	1.07 ± 0.03	0.92 ± 0.01	0.92 ± 0.02		0.92 ± 0.01	0.92 ± 0.01
dap	0.73 ± 0.03	0.75 ± 0.04	*	0.80 ± 0.01	0.84 ± 0.03	1.19 ± 0.05	1.30 ± 0.04	*	1.39 ± 0.04	1.50 ± 0.06
dapkl	0.95 ± 0.05	0.96 ± 0.01	†	0.89 ± 0.03	1.04 ± 0.02	0.99 ± 0.03	1.11 ± 0.05		0.99 ± 0.05	1.14 ± 0.05
daxx	1.07 ± 0.02	1.10 ± 0.01	*	1.04 ± 0.01	1.02 ± 0.02	1.01 ± 0.03	0.86 ± 0.01	*	0.97 ± 0.02	0.81 ± 0.01
dcc	0.77 ± 0.16	1.04 ± 0.18		0.96 ± 0.10	0.92 ± 0.13	0.96 ± 0.29	1.25 ± 0.22		1.13 ± 0.18	0.92 ± 0.05
ddit3	0.84 ± 0.03	0.89 ± 0.02		0.84 ± 0.01	0.88 ± 0.01	1.22 ± 0.03	1.13 ± 0.02	*	1.38 ± 0.03	1.26 ± 0.03
dedd	0.90 ± 0.03	0.93 ± 0.05		0.90 ± 0.01	0.96 ± 0.03	1.01 ± 0.05	1.08 ± 0.04		1.13 ± 0.03	1.06 ± 0.02
dffa	1.11 ± 0.05	1.07 ± 0.04	*	1.02 ± 0.03	1.02 ± 0.03	1.04 ± 0.03	0.93 ± 0.02		1.02 ± 0.02	0.94 ± 0.02
dffb	0.87 ± 0.12	1.20 ± 0.11		0.97 ± 0.08	1.26 ± 0.18	0.80 ± 0.09	0.88 ± 0.04	*	1.21 ± 0.07	1.28 ± 0.10
dnajb9	0.87 ± 0.02	0.88 ± 0.01	*	0.93 ± 0.01	0.97 ± 0.01	1.01 ± 0.01	1.09 ± 0.01	*†	1.03 ± 0.01	1.19 ± 0.01†
dnase1	1.06 ± 0.04	1.12 ± 0.07		1.26 ± 0.13	1.14 ± 0.04	0.92 ± 0.06	0.83 ± 0.06		0.99 ± 0.08	0.83 ± 0.07
dnase1l3	0.94 ± 0.09	1.06 ± 0.04		0.90 ± 0.07	0.95 ± 0.07	0.91 ± 0.07	1.01 ± 0.08		1.05 ± 0.05	0.94 ± 0.07
dnase2	1.04 ± 0.01	1.03 ± 0.03		1.05 ± 0.03	1.03 ± 0.03	0.98 ± 0.01	0.94 ± 0.04		0.99 ± 0.03	0.96 ± 0.02
dnm2	0.97 ± 0.04	0.94 ± 0.05		0.92 ± 0.05	0.97 ± 0.02	1.05 ± 0.03	1.04 ± 0.04	†	1.10 ± 0.01	0.98 ± 0.01
dpf2	1.01 ± 0.02	1.00 ± 0.02		1.02 ± 0.03	1.01 ± 0.02	1.01 ± 0.02	1.01 ± 0.02		0.99 ± 0.02	1.03 ± 0.02
dustypk	0.99 ± 0.08	0.98 ± 0.05		0.90 ± 0.10	1.01 ± 0.07	0.99 ± 0.08	1.02 ± 0.07		0.95 ± 0.08	0.99 ± 0.06
eaf2	2.35 ± 0.60	0.69 ± 0.13	†	0.75 ± 0.13†	0.90 ± 0.16	1.15 ± 0.22	1.02 ± 0.16		1.23 ± 0.05	0.88 ± 0.11
egln3	1.21 ± 0.03	1.41 ± 0.03	*	1.13 ± 0.03	1.32 ± 0.03	0.66 ± 0.02	0.77 ± 0.03		0.68 ± 0.02	0.80 ± 0.05
ets1	0.93 ± 0.04	1.05 ± 0.04		0.96 ± 0.02	0.99 ± 0.04	0.99 ± 0.03	0.93 ± 0.03	*	1.05 ± 0.03	1.17 ± 0.13
fadd	0.97 ± 0.07	1.12 ± 0.06		0.99 ± 0.02	1.00 ± 0.04	1.30 ± 0.05	0.97 ± 0.08		1.23 ± 0.05	0.88 ± 0.04
faf1	0.91 ± 0.03	0.84 ± 0.04	*	0.94 ± 0.03	0.92 ± 0.02	1.14 ± 0.03	1.09 ± 0.03	†	1.21 ± 0.02	1.03 ± 0.04
faim	0.93 ± 0.03	0.92 ± 0.05		0.93 ± 0.02	0.96 ± 0.03	1.01 ± 0.03	1.14 ± 0.04		1.06 ± 0.05	1.14 ± 0.01
faim2	0.90 ± 0.07	1.06 ± 0.06		0.97 ± 0.05	0.99 ± 0.04	1.01 ± 0.09	0.95 ± 0.07		1.01 ± 0.08	1.08 ± 0.06
g6pdx	1.02 ± 0.06	0.73 ± 0.03		1.00 ± 0.04	0.74 ± 0.02	1.21 ± 0.03	1.00 ± 0.03	†	1.14 ± 0.05	1.11 ± 0.03
gapd	0.92 ± 0.01	0.92 ± 0.01	*†	0.92 ± 0.01	0.96 ± 0.01†	1.11 ± 0.01	1.23 ± 0.03		1.16 ± 0.02	1.24 ± 0.01
gch	0.74 ± 0.01	0.75 ± 0.01	*	0.81 ± 0.01	0.84 ± 0.02	1.36 ± 0.04	1.16 ± 0.03	*	1.58 ± 0.02	1.27 ± 0.03
gjb6	1.30 ± 0.28	0.97 ± 0.13	†	0.77 ± 0.11	1.25 ± 0.18	0.92 ± 0.15	1.05 ± 0.11		0.85 ± 0.13	0.76 ± 0.08
gnaq	0.86 ± 0.06	0.99 ± 0.06	†	1.05 ± 0.10	0.85 ± 0.07	1.00 ± 0.07	1.10 ± 0.05		1.02 ± 0.06	1.13 ± 0.09
gnrh1	0.93 ± 0.02	0.96 ± 0.03		1.00 ± 0.04	0.97 ± 0.01	0.93 ± 0.04	1.09 ± 0.05		1.02 ± 0.01	1.10 ± 0.03
gpx1	0.97 ± 0.01	1.01 ± 0.01		1.00 ± 0.01	0.97 ± 0.03	0.93 ± 0.01	1.08 ± 0.02		0.93 ± 0.03	1.06 ± 0.03
gsk3b	0.98 ± 0.05	0.93 ± 0.03		0.90 ± 0.05	0.91 ± 0.02	1.06 ± 0.02	1.06 ± 0.03		1.06 ± 0.03	1.12 ± 0.03
gspt1	0.97 ± 0.02	0.93 ± 0.02		0.97 ± 0.02	0.96 ± 0.02	1.06 ± 0.02	1.07 ± 0.03	†	1.09 ± 0.02	1.01 ± 0.02
gzma	1.03 ± 0.06	0.98 ± 0.05	†	1.20 ± 0.04†	0.86 ± 0.06	1.29 ± 0.08	0.90 ± 0.05	†	1.02 ± 0.08†	1.05 ± 0.09
gzmb	0.91 ± 0.10	1.13 ± 0.09		0.85 ± 0.10	0.97 ± 0.07	0.86 ± 0.04	1.16 ± 0.14	*	1.13 ± 0.08	1.20 ± 0.06
hdh	0.93 ± 0.02	0.96 ± 0.03	*†	0.91 ± 0.07	1.35 ± 0.09†	0.96 ± 0.03	1.24 ± 0.08	†	1.14 ± 0.08	0.99 ± 0.07†
hip1	0.92 ± 0.03	1.01 ± 0.03		0.89 ± 0.02	1.04 ± 0.07	1.01 ± 0.02	1.04 ± 0.04		1.00 ± 0.08	1.04 ± 0.02
hmox1	1.41 ± 0.03	1.41 ± 0.03	*	1.34 ± 0.02	1.30 ± 0.03	0.74 ± 0.02	0.62 ± 0.02		0.77 ± 0.01	0.64 ± 0.02
hrpap20	0.95 ± 0.02	1.07 ± 0.04	*	0.89 ± 0.01	1.02 ± 0.03	1.05 ± 0.04	1.02 ± 0.05		1.04 ± 0.04	0.98 ± 0.03
hspa1a	0.81 ± 0.02	0.82 ± 0.01		0.83 ± 0.02	0.86 ± 0.02	1.28 ± 0.04	1.26 ± 0.04	*	1.19 ± 0.02	1.17 ± 0.03
igf1	0.86 ± 0.03	0.99 ± 0.01	*†	1.13 ± 0.07†	1.08 ± 0.07	0.98 ± 0.02	0.96 ± 0.03		0.98 ± 0.04	1.10 ± 0.07

Supplemental Table 4 (continued)										
igfbp3	0.73 ± 0.06	1.37 ± 0.23		0.67 ± 0.09	1.51 ± 0.32	1.25 ± 0.13	1.75 ± 0.28	*	0.80 ± 0.14	0.90 ± 0.12
il10	1.21 ± 0.10	1.21 ± 0.07	*	1.07 ± 0.13	0.86 ± 0.07	0.83 ± 0.08	0.83 ± 0.05	*	1.16 ± 0.14	1.12 ± 0.11
il18	1.20 ± 0.02	1.21 ± 0.02	*	1.31 ± 0.04	1.47 ± 0.04	0.78 ± 0.02	0.74 ± 0.01	*	0.74 ± 0.02	0.69 ± 0.01
inha	0.99 ± 0.03	1.00 ± 0.02		0.98 ± 0.02	0.96 ± 0.05	0.91 ± 0.04	1.15 ± 0.04		0.97 ± 0.04	1.12 ± 0.05
ins2	0.98 ± 0.05	1.06 ± 0.02		0.93 ± 0.06	1.08 ± 0.04	1.01 ± 0.03	0.94 ± 0.03		1.01 ± 0.06	1.03 ± 0.04
jak2	0.98 ± 0.02	0.91 ± 0.03	*	0.94 ± 0.05	0.83 ± 0.04	1.10 ± 0.05	1.05 ± 0.04		1.14 ± 0.03	1.07 ± 0.05
lcn2	1.32 ± 0.37	1.23 ± 0.24		0.83 ± 0.19	0.83 ± 0.18	0.60 ± 0.19	1.32 ± 0.46		0.99 ± 0.13	0.91 ± 0.17
lgals7	1.13 ± 0.17	1.11 ± 0.14	*	0.90 ± 0.06	0.84 ± 0.05	0.94 ± 0.07	1.09 ± 0.10		1.11 ± 0.08	1.04 ± 0.09
loc170824	0.94 ± 0.04	0.93 ± 0.04	*	1.11 ± 0.05	0.99 ± 0.08	0.87 ± 0.03	1.01 ± 0.06	*	0.99 ± 0.09	1.19 ± 0.01
loc246143	0.97 ± 0.02	0.97 ± 0.02		0.97 ± 0.02	0.92 ± 0.04	1.01 ± 0.03	1.10 ± 0.03		1.06 ± 0.03	1.10 ± 0.01
loc292624	1.10 ± 0.04	1.06 ± 0.03		1.06 ± 0.03	1.14 ± 0.03	0.91 ± 0.03	0.89 ± 0.04		0.95 ± 0.03	0.86 ± 0.03
loc64171	0.87 ± 0.01	0.87 ± 0.03		0.86 ± 0.05	0.90 ± 0.02	1.14 ± 0.04	1.23 ± 0.05		1.23 ± 0.03	1.19 ± 0.02
madd	1.03 ± 0.04	1.04 ± 0.04		1.01 ± 0.04	1.10 ± 0.04	0.92 ± 0.04	1.07 ± 0.04		0.94 ± 0.03	0.97 ± 0.05
map3k6	0.50 ± 0.01	0.43 ± 0.01	*	0.55 ± 0.01	0.46 ± 0.01	1.60 ± 0.03	1.52 ± 0.04	*	1.79 ± 0.03	1.72 ± 0.03
mapk8ip	0.95 ± 0.04	0.94 ± 0.05		0.90 ± 0.04	1.03 ± 0.04	0.99 ± 0.03	1.14 ± 0.05		1.02 ± 0.04	1.24 ± 0.05
mcl1	0.83 ± 0.04	0.77 ± 0.02	*	0.88 ± 0.03	0.84 ± 0.03	1.33 ± 0.06	1.28 ± 0.04	*	1.46 ± 0.01	1.35 ± 0.03
mitf	1.05 ± 0.17	1.20 ± 0.37	*	0.56 ± 0.11	0.62 ± 0.05	1.05 ± 0.13	1.05 ± 0.12	†	1.38 ± 0.07†	0.87 ± 0.15
mlh1	1.10 ± 0.09	1.09 ± 0.06		1.16 ± 0.06	1.10 ± 0.05	1.01 ± 0.02	0.74 ± 0.02	†	0.94 ± 0.08	0.93 ± 0.05†
moap1	1.00 ± 0.02	1.08 ± 0.03		0.96 ± 0.03	1.06 ± 0.01	0.94 ± 0.01	1.03 ± 0.01	*†	0.94 ± 0.02	0.98 ± 0.01†
myc	1.39 ± 0.15	0.97 ± 0.03		1.45 ± 0.12	0.94 ± 0.03	1.31 ± 0.11	0.44 ± 0.01	†	1.09 ± 0.09	0.61 ± 0.03†
mycs	1.02 ± 0.01	1.02 ± 0.03	*	1.05 ± 0.03	1.12 ± 0.01	0.89 ± 0.06	0.94 ± 0.05		0.95 ± 0.01	0.93 ± 0.04
nalp1	0.98 ± 0.03	0.99 ± 0.05		0.98 ± 0.01	0.99 ± 0.02	0.99 ± 0.03	0.93 ± 0.04	*†	1.01 ± 0.03	1.07 ± 0.02†
nalp10	1.91 ± 0.40	0.90 ± 0.13		1.81 ± 0.38	0.93 ± 0.08	1.11 ± 0.18	1.05 ± 0.10		0.88 ± 0.14	1.11 ± 0.27
nalp14	1.10 ± 0.07	1.00 ± 0.13		1.07 ± 0.11	1.02 ± 0.19	1.18 ± 0.15	0.94 ± 0.12		1.06 ± 0.09	1.03 ± 0.12
nfkb1	0.99 ± 0.02	1.02 ± 0.02		1.01 ± 0.04	1.03 ± 0.02	0.99 ± 0.05	0.98 ± 0.02		1.00 ± 0.03	0.97 ± 0.02
ngfr	0.70 ± 0.02	0.71 ± 0.01		0.70 ± 0.01	0.73 ± 0.01	1.36 ± 0.04	1.71 ± 0.05		1.36 ± 0.05	1.68 ± 0.05
ngfrap1	0.79 ± 0.01	0.78 ± 0.01	*†	0.80 ± 0.01	0.83 ± 0.02†	1.16 ± 0.01	1.49 ± 0.03	*	1.20 ± 0.01	1.54 ± 0.03
nol3	0.97 ± 0.01	0.89 ± 0.02		0.97 ± 0.01	0.94 ± 0.01	1.01 ± 0.01	1.03 ± 0.01	*	1.06 ± 0.01	1.08 ± 0.01
notch1	0.94 ± 0.12	1.33 ± 0.09	†	1.34 ± 0.26	1.05 ± 0.08	0.90 ± 0.07	1.08 ± 0.16		0.84 ± 0.07	0.91 ± 0.05
notch2	1.05 ± 0.09	1.06 ± 0.06	*	0.95 ± 0.04	0.96 ± 0.03	1.20 ± 0.09	1.04 ± 0.08		1.04 ± 0.03	0.97 ± 0.07
nsmaf	1.27 ± 0.13	1.12 ± 0.03	*	0.97 ± 0.06	0.98 ± 0.10	1.15 ± 0.10	0.90 ± 0.05	*	0.94 ± 0.05	0.84 ± 0.05
ntn1	1.19 ± 0.26	1.23 ± 0.13	*	0.81 ± 0.04	0.84 ± 0.04	1.13 ± 0.18	1.15 ± 0.12		1.27 ± 0.19	1.05 ± 0.09
p2rx1	0.95 ± 0.18	1.11 ± 0.17		0.77 ± 0.11	1.43 ± 0.20	0.81 ± 0.08	1.40 ± 0.16	†	1.77 ± 0.19†	0.90 ± 0.10†
pawr	0.80 ± 0.20	0.86 ± 0.06		1.11 ± 0.29	1.07 ± 0.17	1.45 ± 0.10	0.70 ± 0.12	†	1.03 ± 0.11†	1.08 ± 0.11†
pdcd2	0.95 ± 0.01	0.96 ± 0.03		0.96 ± 0.02	0.96 ± 0.01	1.06 ± 0.02	1.05 ± 0.01		1.08 ± 0.04	1.02 ± 0.03
pdcd5	0.97 ± 0.04	0.96 ± 0.03		0.99 ± 0.04	0.96 ± 0.03	0.97 ± 0.03	1.03 ± 0.03		0.94 ± 0.03	1.03 ± 0.03
pdcd6ip	0.73 ± 0.01	0.72 ± 0.01	*	0.80 ± 0.02	0.73 ± 0.02	1.28 ± 0.02	1.21 ± 0.03	*	1.31 ± 0.05	1.33 ± 0.02
pdcd8	1.01 ± 0.01	0.97 ± 0.02	*	1.05 ± 0.02	1.00 ± 0.01	0.98 ± 0.02	1.01 ± 0.03	†	0.97 ± 0.01	1.09 ± 0.02†
perp	0.89 ± 0.08	1.33 ± 0.35		1.06 ± 0.15	1.00 ± 0.28	0.79 ± 0.10	1.16 ± 0.10		1.01 ± 0.16	1.04 ± 0.12
pglyrp1	0.99 ± 0.03	1.01 ± 0.02		1.01 ± 0.01	1.01 ± 0.02	1.00 ± 0.02	1.02 ± 0.01		1.00 ± 0.02	1.00 ± 0.01
phlda1	0.93 ± 0.09	0.72 ± 0.07		0.94 ± 0.07	0.75 ± 0.06	0.69 ± 0.12	1.24 ± 0.07	*†	1.07 ± 0.03†	1.17 ± 0.06
pik3r1	1.29 ± 0.08	0.85 ± 0.06	†	1.01 ± 0.12†	1.00 ± 0.04	0.82 ± 0.07	1.09 ± 0.07		0.83 ± 0.03	1.23 ± 0.05
plagl1	2.22 ± 0.37	0.60 ± 0.09		1.97 ± 0.29	0.61 ± 0.11	2.00 ± 0.30	0.47 ± 0.04	†	1.14 ± 0.17†	0.62 ± 0.04
polb	1.07 ± 0.04	1.09 ± 0.04		1.03 ± 0.04	1.01 ± 0.05	0.96 ± 0.02	0.94 ± 0.03		0.99 ± 0.05	0.89 ± 0.02
ppm1f	0.98 ± 0.09	0.96 ± 0.07		0.93 ± 0.11	1.00 ± 0.09	1.07 ± 0.06	0.92 ± 0.09		1.11 ± 0.06	1.03 ± 0.10
ppp1r13b	1.03 ± 0.09	1.04 ± 0.03		1.06 ± 0.06	1.14 ± 0.05	0.97 ± 0.08	0.96 ± 0.07		0.93 ± 0.05	0.90 ± 0.02
prdx2	0.99 ± 0.01	1.00 ± 0.01		0.97 ± 0.01	1.00 ± 0.01	0.98 ± 0.01	1.05 ± 0.02		0.98 ± 0.02	1.03 ± 0.02
prkaa1	1.02 ± 0.08	0.85 ± 0.03		1.16 ± 0.06	0.88 ± 0.05	1.33 ± 0.18	1.05 ± 0.07		1.18 ± 0.13	1.26 ± 0.22
prkca	0.92 ± 0.05	1.04 ± 0.03		0.98 ± 0.04	1.03 ± 0.04	0.96 ± 0.07	0.94 ± 0.04	*	1.10 ± 0.08	1.13 ± 0.03
prkcd	0.90 ± 0.01	0.95 ± 0.01		0.88 ± 0.01	0.94 ± 0.01	1.03 ± 0.01	1.23 ± 0.02	*	1.06 ± 0.01	1.27 ± 0.02
prlr	0.84 ± 0.20	1.03 ± 0.22		0.87 ± 0.16	1.06 ± 0.19	0.89 ± 0.19	1.10 ± 0.22		1.01 ± 0.25	0.71 ± 0.11
psen1	1.02 ± 0.03	1.20 ± 0.10	*	0.86 ± 0.01	1.00 ± 0.04	0.91 ± 0.03	1.02 ± 0.04	*	1.06 ± 0.03	1.03 ± 0.06
pten	0.99 ± 0.06	0.95 ± 0.03		0.99 ± 0.08	0.90 ± 0.03	1.03 ± 0.03	1.05 ± 0.04	†	0.97 ± 0.04	1.14 ± 0.05
ptma	0.95 ± 0.05	0.99 ± 0.05		1.00 ± 0.10	0.95 ± 0.04	0.96 ± 0.06	1.06 ± 0.03		0.99 ± 0.06	1.08 ± 0.03
pycard	1.07 ± 0.07	1.15 ± 0.08		1.02 ± 0.07	1.13 ± 0.05	1.03 ± 0.02	1.08 ± 0.06	*	0.85 ± 0.05	0.99 ± 0.02
rabep1	0.89 ± 0.02	0.86 ± 0.01	*	0.91 ± 0.02	0.90 ± 0.01	1.06 ± 0.01	1.26 ± 0.01	*	1.12 ± 0.01	1.30 ± 0.01
rara	1.08 ± 0.05	1.13 ± 0.10		1.08 ± 0.05	1.11 ± 0.05	1.00 ± 0.04	0.99 ± 0.06		0.97 ± 0.02	0.97 ± 0.05
ripk3	0.85 ± 0.01	0.91 ± 0.01	*	0.88 ± 0.01	0.93 ± 0.02	1.07 ± 0.01	1.10 ± 0.02	*	1.11 ± 0.02	1.12 ± 0.01

Supplemental Table 4 (continued)										
rock1	0.95 ± 0.05	0.88 ± 0.05		0.97 ± 0.06	0.92 ± 0.05	1.09 ± 0.07	1.03 ± 0.04		1.06 ± 0.05	1.02 ± 0.05
rtn4	0.83 ± 0.04	0.83 ± 0.03		0.82 ± 0.07	0.83 ± 0.04	1.28 ± 0.06	1.64 ± 0.12	*	1.43 ± 0.08	2.06 ± 0.11
s100b	1.26 ± 0.14	1.15 ± 0.24		1.23 ± 0.45	0.96 ± 0.06	0.92 ± 0.03	0.97 ± 0.10		0.90 ± 0.13	0.97 ± 0.13
scn2a1	0.85 ± 0.02	0.87 ± 0.03		0.86 ± 0.08	0.84 ± 0.04	1.38 ± 0.05	1.21 ± 0.08	*†	1.12 ± 0.02†	1.21 ± 0.07
sgk	0.92 ± 0.24	1.38 ± 0.22		1.23 ± 0.19	1.72 ± 0.50	0.94 ± 0.24	0.86 ± 0.24		0.97 ± 0.15	0.83 ± 0.16
sh3kbp1	1.02 ± 0.10	1.13 ± 0.07	*	0.72 ± 0.13	0.65 ± 0.13	0.70 ± 0.12	0.65 ± 0.13	*†	1.10 ± 0.07†	1.92 ± 0.15†
sh3md2	0.99 ± 0.18	1.06 ± 0.10		1.12 ± 0.16	1.24 ± 0.12	0.82 ± 0.15	0.95 ± 0.09		0.80 ± 0.10	0.84 ± 0.07
siah2	0.93 ± 0.05	1.00 ± 0.05	†	1.10 ± 0.05†	0.96 ± 0.06	1.04 ± 0.05	0.94 ± 0.07		1.02 ± 0.03	1.02 ± 0.06
sod1	1.08 ± 0.01	1.06 ± 0.01	*	1.06 ± 0.01	1.01 ± 0.01	0.90 ± 0.01	0.91 ± 0.02		0.90 ± 0.02	0.91 ± 0.01
spata3	1.07 ± 0.05	1.13 ± 0.10	*	0.95 ± 0.09	0.96 ± 0.08	0.94 ± 0.05	1.02 ± 0.09		1.02 ± 0.08	0.94 ± 0.11
spp1	0.88 ± 0.21	1.37 ± 0.34		1.04 ± 0.38	1.72 ± 0.39	1.02 ± 0.14	1.30 ± 0.33		1.77 ± 0.64	1.09 ± 0.25
stambp	0.97 ± 0.04	0.85 ± 0.08		0.84 ± 0.05	0.95 ± 0.07	0.96 ± 0.06	1.18 ± 0.03		1.04 ± 0.05	1.18 ± 0.07
stk17b	0.99 ± 0.02	1.06 ± 0.04		0.96 ± 0.03	1.01 ± 0.04	1.01 ± 0.07	1.01 ± 0.04		1.06 ± 0.03	0.99 ± 0.04
stk3	0.92 ± 0.03	0.82 ± 0.03	*	1.00 ± 0.03	0.90 ± 0.01	1.12 ± 0.03	1.04 ± 0.03		1.15 ± 0.01	1.04 ± 0.02
stnl	1.03 ± 0.01	1.00 ± 0.01	*	1.00 ± 0.01	1.00 ± 0.01	0.84 ± 0.01	1.04 ± 0.02		0.83 ± 0.01	1.05 ± 0.02
tax1bp1	1.04 ± 0.01	0.97 ± 0.01		1.01 ± 0.02	0.98 ± 0.03	0.96 ± 0.01	1.02 ± 0.01		0.99 ± 0.02	1.01 ± 0.02
tegt	0.92 ± 0.02	0.92 ± 0.02		0.93 ± 0.01	0.93 ± 0.01	1.10 ± 0.03	1.12 ± 0.01	*	1.15 ± 0.03	1.22 ± 0.01
tesk2	1.43 ± 0.09	0.73 ± 0.04		1.37 ± 0.13	0.84 ± 0.06	1.48 ± 0.03	0.77 ± 0.07	*†	1.03 ± 0.03†	0.74 ± 0.06
tfpt	0.95 ± 0.09	0.90 ± 0.10	†	0.83 ± 0.04	1.05 ± 0.03	1.12 ± 0.07	1.09 ± 0.06		1.06 ± 0.05	1.19 ± 0.08
tgfa	1.20 ± 0.06	1.16 ± 0.10	*	0.98 ± 0.07	0.96 ± 0.05	1.07 ± 0.08	0.85 ± 0.03	†	0.96 ± 0.04	1.28 ± 0.17†
tgm2	0.61 ± 0.13	0.92 ± 0.14		0.79 ± 0.09	0.75 ± 0.13	1.15 ± 0.13	1.57 ± 0.10	*	1.05 ± 0.19	0.97 ± 0.09
thap1	1.03 ± 0.08	0.75 ± 0.04	*	1.15 ± 0.08	1.02 ± 0.17	1.08 ± 0.09	0.80 ± 0.03	*	1.30 ± 0.11	0.93 ± 0.06
tieg	0.86 ± 0.01	0.77 ± 0.01	*	0.83 ± 0.01	0.74 ± 0.01	1.42 ± 0.03	1.24 ± 0.05		1.45 ± 0.04	1.16 ± 0.04
timp3	1.02 ± 0.09	1.03 ± 0.06		1.03 ± 0.06	0.98 ± 0.01	1.00 ± 0.08	0.98 ± 0.04		1.03 ± 0.07	0.96 ± 0.10
tnf	1.11 ± 0.12	0.93 ± 0.13	†	0.75 ± 0.09†	1.29 ± 0.10†	0.65 ± 0.14	0.94 ± 0.12	*	1.17 ± 0.23	1.07 ± 0.13
tnfrsf11b	1.03 ± 0.11	1.08 ± 0.16		0.88 ± 0.22	1.19 ± 0.08	1.11 ± 0.28	0.89 ± 0.18		0.70 ± 0.11	1.00 ± 0.17
tnfrsf1a	0.75 ± 0.01	0.78 ± 0.01	*	0.79 ± 0.02	0.83 ± 0.02	1.25 ± 0.03	1.21 ± 0.03		1.29 ± 0.02	1.22 ± 0.01
tnfrsf6	1.02 ± 0.30	2.15 ± 0.90		0.68 ± 0.09	0.99 ± 0.19	0.89 ± 0.16	1.75 ± 0.33		0.95 ± 0.22	1.16 ± 0.22
tnfsf10	0.89 ± 0.24	1.20 ± 0.17		0.64 ± 0.20	0.93 ± 0.22	0.69 ± 0.16	1.05 ± 0.24		1.19 ± 0.16	1.00 ± 0.19
tp53	1.38 ± 0.16	1.41 ± 0.19	*	1.04 ± 0.06	1.10 ± 0.08	0.95 ± 0.10	0.90 ± 0.11		0.93 ± 0.03	0.69 ± 0.04
tpt1	0.97 ± 0.02	0.96 ± 0.02		0.99 ± 0.01	0.98 ± 0.01	1.12 ± 0.03	1.03 ± 0.01		1.10 ± 0.02	1.03 ± 0.03
tradd	1.05 ± 0.01	0.99 ± 0.04		1.06 ± 0.03	0.99 ± 0.02	0.97 ± 0.01	0.98 ± 0.01		0.95 ± 0.02	1.00 ± 0.02
trib3	0.98 ± 0.01	1.06 ± 0.01	*	1.08 ± 0.01	1.14 ± 0.02	0.72 ± 0.01	0.98 ± 0.03	*	0.78 ± 0.01	1.01 ± 0.01
trp63	1.07 ± 0.17	1.11 ± 0.20		0.88 ± 0.14	0.92 ± 0.13	1.12 ± 0.18	0.96 ± 0.05		1.00 ± 0.05	0.90 ± 0.12
tsarg1	0.62 ± 0.11	0.90 ± 0.11		0.96 ± 0.08	1.26 ± 0.34	1.25 ± 0.15	0.97 ± 0.12		1.33 ± 0.06	1.07 ± 0.07
twist2	0.95 ± 0.02	1.00 ± 0.04	*	0.99 ± 0.04	1.16 ± 0.10	0.81 ± 0.05	1.10 ± 0.06	†	1.03 ± 0.05†	1.03 ± 0.04
txnl1	0.91 ± 0.02	0.90 ± 0.01		0.93 ± 0.01	0.91 ± 0.01	1.08 ± 0.01	1.11 ± 0.02		1.09 ± 0.02	1.14 ± 0.02
ube1c	0.99 ± 0.04	0.94 ± 0.02		1.00 ± 0.02	0.99 ± 0.03	1.09 ± 0.04	1.02 ± 0.03		1.09 ± 0.04	0.97 ± 0.03
unc5a	0.82 ± 0.03	1.17 ± 0.07	†	1.09 ± 0.07†	0.97 ± 0.04†	0.76 ± 0.09	0.98 ± 0.07	*†	1.07 ± 0.04†	1.01 ± 0.04
unc5b	0.83 ± 0.03	0.89 ± 0.01		0.84 ± 0.04	0.96 ± 0.02	1.01 ± 0.04	1.37 ± 0.06	*	1.25 ± 0.04	1.55 ± 0.02
v1rd22	0.95 ± 0.03	1.02 ± 0.04		1.02 ± 0.06	1.08 ± 0.07	0.98 ± 0.08	0.97 ± 0.05		1.02 ± 0.05	0.97 ± 0.03
vdr	1.36 ± 0.19	1.16 ± 0.19	*	0.89 ± 0.11	0.87 ± 0.07	1.01 ± 0.16	1.47 ± 0.25	*	0.87 ± 0.04	0.91 ± 0.15
vegf	1.34 ± 0.13	1.38 ± 0.08		1.25 ± 0.15	1.20 ± 0.04	0.57 ± 0.02	0.71 ± 0.06		0.57 ± 0.04	0.71 ± 0.09
wig1	0.94 ± 0.01	1.00 ± 0.01	*	0.98 ± 0.03	1.08 ± 0.02	0.80 ± 0.02	1.16 ± 0.01		0.78 ± 0.02	1.21 ± 0.02
ywhah	0.93 ± 0.01	0.85 ± 0.01	†	0.90 ± 0.01	0.91 ± 0.01†	1.13 ± 0.02	1.41 ± 0.03		1.15 ± 0.02	1.31 ± 0.05
zd10b	0.94 ± 0.03	0.98 ± 0.05		0.93 ± 0.04	0.94 ± 0.02	1.10 ± 0.04	1.02 ± 0.03	†	1.22 ± 0.03†	1.01 ± 0.03
zfp162	0.95 ± 0.08	0.89 ± 0.06		0.96 ± 0.10	0.99 ± 0.09	1.06 ± 0.11	1.04 ± 0.08		0.97 ± 0.09	1.06 ± 0.03

Normalized expression ratios are given as mean ± SE obtained from five independent cultures in each group, with the sample from each culture run on a separate array. Several of the values reported in this table have appeared in previous studies of other gene groupings [1,3-7,9,10].
*Significant main treatment effect in two-factor ANOVA (treatment, time).

†Interaction of treatment × time; then, † denotes significant treatment effect for a given time point

Global statistical analysis of Table 4: ANOVA factors of treatment, differentiation state, gene, time[§]

Treatment × gene, $p < 0.0001$; treatment × gene × state, $p < 0.0001$; treatment × gene × time, $p < 0.02$; treatment × gene × state × time, $p < 0.0001$

Undifferentiated: treatment × gene, $p < 0.0001$

Differentiating: treatment × gene, $p < 0.0001$; treatment × gene × time, $p < 0.0001$

[§]results shown include only treatment effects and interactions of treatment with other variables

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