Supplementary Table 1.
List of genes commonly up-regulated in the microdissected cerebral white matter region after exposure to DBDE at 10, 100, and 1000 ppm (≥ 2-fold)

Accession no.	Gene title	Symbol	DBDE		
			10 ppm	100 ppm	1000 ppm
Up-regulated (129 genes)					
XM_002725261	Similar to KB07 protein	RGD1561940	5.42	15.74	14.96
AI176450	EST	–	3.60	11.22	12.26
AI237569	EST	–	6.60	7.79	12.06
NM_012718	androgen regulated 20 kDa protein	Andpro	4.36	5.97	11.48
NM_145879	suppressor of cytokine signaling 1	Socs1	3.19	4.90	11.25
NM_001108693	retinol binding protein 7, cellular	Rbp7	3.41	13.75	10.17
AI712659	EST	–	2.48	3.66	9.02
NM_001108617	PFTAIRE protein kinase 1	Pftk1	2.57	2.32	6.57
NM_031502	amylase 2	Amy2	6.73	3.92	6.36
XM_002725036	Leucine rich repeat containing 3B	Lrrc3b	2.67	2.61	6.36
BM385169	EST	–	4.47	2.33	6.25
AI502924	EST	–	2.22	5.65	6.20
NM_173309	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2	Elavl2	3.97	2.11	6.02
NM_001101680	forkhead box C2	Foxc2	3.11	2.55	5.83
AW523012	EST	–	2.05	2.14	5.75
NM_001025051	family with sequence similarity 110, member C	Fam110c	6.00	8.02	5.64
BF394267	EST	–	2.44	6.25	5.55
BI295646	EST	–	2.06	4.09	5.52
AA893529	EST	–	2.59	3.54	5.41
NM_001025740	ribonucleotide reductase M2	Rrm2	2.20	2.10	5.39
AF053092	EST	–	2.80	5.63	5.34
NM_001106908	similar to RIKEN cDNA 4832428D23 gene	RGD1561425	2.19	4.04	5.21
NM_138879	selectin E	Sele	4.85	3.72	5.13
NM_030985	angiotensin II receptor, type 1a	Agtr1a	2.57	9.55	5.10
NM_181440	glutamine/glutamic acid-rich protein A	Grpca	3.05	4.04	5.02
BF288392	EST	–	2.29	7.03	4.99
NM_001107058	mitogen activated protein kinase kinase kinase 3	Map3k3	2.86	2.36	4.96
NM_001109226	Proline-rich transmembrane protein 4	Prrt4	3.01	5.52	4.94
NM_001013079	oxysterol binding protein-like 2	Osbpl2	2.78	6.87	4.88
NM_001136151	neuregulin 2	Nrg2	2.61	3.91	4.84
AI072042	EST	–	3.55	2.73	4.81
AI385307	EST	–	2.46	2.06	4.72
AI535212	EST	–	2.15	5.15	4.69
AI113065	EST	–	2.84	7.40	4.63
AW528250	EST	–	2.32	2.49	4.59
NM_001173426	RNA binding protein with multiple splicing 2	Rbpms2	3.24	5.76	4.53
NM_053986	myosin Ib	Myo1b	2.10	3.56	4.53
BE104268	EST	–	2.07	2.86	4.52
NM_001037357	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3-like	Lilrb3l	2.72	2.69	4.41
AI639063	EST	–	4.04	4.29	4.37
NM_001108394	zinc finger, CCHC domain containing 24	Zcchc24	3.01	3.96	4.36
NM_012620	serine (or cysteine) peptidase inhibitor, clade E, member 1	Serpine1	2.75	4.72	4.34
AI102874	EST	–	2.18	6.65	4.30
BF396605	EST	–	2.23	3.66	4.25
NM_012596	leptin receptor	Lepr	2.26	3.54	4.23

NM_001135877	TAF7-like RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf7l	2.59	4.56	4.20
NM_198735	ADP-ribosyltransferase 2b	Art2b	2.20	2.06	4.20
NM_001109304	cripto, FRL-1, cryptic family 1	Cfc1	3.24	3.19	4.10
BF396608	EST	–	2.00	3.32	4.07
NM_001009691	Doublecortin-like kinase 2	Dclk2	2.42	4.02	4.05
NM_019236	hairy and enhancer of split 2	Hes2	3.63	2.35	4.03
NM_017001	erythropoietin	Epo	3.58	3.25	4.02
NM_001025013	melanoma antigen family B, 16	Mageb16	2.40	2.46	4.01
NM_017144	troponin I type 3	Tnni3	4.51	3.15	4.01
AI059493	EST	–	2.27	2.18	4.00
AI706203	EST	–	2.66	3.73	3.98
BF288661	EST	–	4.32	3.76	3.97
NM_001107025	abhydrolase domain containing 15	Abhd15	2.49	8.15	3.91
AA955915	EST	–	2.71	2.71	3.87
BE096287	EST	–	2.44	2.01	3.87
AI030285	EST	–	2.65	2.23	3.87
NM_001107097	zinc finger and BTB domain containing 11	Zbtb11	2.59	2.89	3.85
NM_001107413	iroquois homeobox 3	Irx3	2.42	4.11	3.79
AW527665	EST	–	2.70	2.31	3.78
BF391952	EST	–	2.14	5.61	3.70
BF392832	EST	–	6.00	2.82	3.63
AA859474	EST	–	4.11	6.71	3.61
NM_173110	prolactin family 8, subfamily a, member 5	Prl8a5	5.16	3.64	3.60
XM_001055799	EST	–	2.03	4.01	3.57
NM_183331	coagulation factor VIII, procoagulant component	F8	2.87	2.71	3.53
XM_001069604	smoothelin-like 1	Smtnl1	2.30	2.40	3.52
NM_024353	phospholipase C, beta 4	Plcb4	2.54	2.14	3.50
NM_134384	spermatogenesis associated 19	Spata19	2.67	2.59	3.50
NM_001024786	WD repeat domain 78	Wdr78	2.19	4.40	3.49
BF415997	EST	–	2.26	3.46	3.44
NM_001108251	Ubiquilin 2	Ubqln2	2.77	7.77	3.35
BF416277	EST	–	2.00	3.93	3.30
NM_053704	BCL2-interacting killer	Bik	2.84	3.94	3.23
NM_012841	deleted in colorectal carcinoma	Dcc	3.30	2.75	3.17
NM_021837	myc-like oncogene, s-myc protein	Mycs	3.39	2.96	3.10
XM_001056035	forkhead box I2	Foxi2	3.99	3.48	3.08
AI113090	EST	–	3.87	2.45	3.05
NM_138978	prokineticin receptor 2	Prokr2	2.76	2.06	3.04
AW534043	EST	–	2.24	3.45	2.97
NM_001106490	myosin binding protein C	Mybpc3	2.05	3.28	2.96
XM_002726010	EST	–	2.39	2.05	2.96
NM_053708	gastrulation brain homeobox 2	Gbx2	2.43	2.59	2.93
BF403955	EST	–	2.93	3.11	2.92
NM_012770	guanylate cyclase 1, soluble, beta 2	Gucy1b2	2.15	6.00	2.90
NM_152936	serine peptidase inhibitor, Kazal type 1	Spink1	2.53	3.56	2.89
NM_019374	prodynorphin	Pdyn	2.80	3.59	2.88
NM_012684	variable coding sequence A1	Vcsa1	4.80	8.64	2.79
NM_001129878	Homeo box A10	Hoxa10	2.32	2.58	2.79
BI290864	EST	–	2.04	3.41	2.78
NM_001109257	kelch domain containing 5	Klhdc5	2.13	2.70	2.77
NM_173322	proline-rich nuclear receptor coactivator 1	Pnrc1	2.77	5.68	2.75
AI011647	EST	–	2.42	4.75	2.74

NM_001106024	phosphodiesterase 6B, cGMP-specific, rod, beta	Pde6b	2.90	3.69	2.71
XM_001069645	EST	–	5.01	4.69	2.71
BF401369	EST	–	2.23	2.76	2.66
NM_001110490	LIM domain binding 3	Ldb3	2.24	2.77	2.63
NM_001177682	purinergic receptor P2Y, G-protein coupled, 10	P2ry10	2.58	4.27	2.61
AI502559	EST	–	2.33	2.06	2.60
NM_053818	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	2.21	3.11	2.60
BF410362	EST	–	2.82	3.72	2.54
XM_002729411	EST	–	2.33	3.38	2.48
NM_138836	protease, serine, 8	Prss8	2.12	2.12	2.48
NM_001107804	Molybdenum cofactor synthesis 3	Mocs3	4.36	2.98	2.48
BE120031	EST	–	2.22	2.80	2.43
NM_139113	nuclear receptor subfamily 2, group F, member 6	Nr2f6	3.32	2.84	2.43
BF399574	EST	–	2.49	6.21	2.42
NM_001134598	EST	–	2.40	2.22	2.41
AW920335	EST	–	2.19	2.17	2.41
NM_001127683	heat shock transcription factor 2 binding protein	Hsf2bp	2.67	3.11	2.41
AW921534	EST	–	2.13	2.27	2.40
XM_001066131	EST	–	2.84	2.88	2.36
NM_017023	potassium inwardly-rectifying channel, subfamily J, member 1	Kcnj1	3.35	2.27	2.27
NM_022379	transcription factor EC	Tfec	2.27	2.67	2.27
XR_085738	family with sequence similarity 184, member A	Fam184a	2.23	2.23	2.23
BF414624	EST	–	2.54	2.00	2.23
NM_053629	follistatin-like 3	Fstl3	2.56	2.51	2.19
BF400760	EST	–	2.08	6.58	2.15
NM_001108497	EST	–	2.35	2.27	2.15
BF400813	EST	–	2.21	2.57	2.05
BF400843	EST	–	2.38	4.12	2.04
AI237240	EST	–	2.22	2.42	2.03
NM_001033955	calcitonin-related polypeptide alpha	Calca	2.10	2.78	2.03
BF403851	EST	–	2.26	2.85	2.03
BF396335	EST	–	2.50	2.61	2.01

Abbreviations: DBDE, decabromodiphenyl ether; EST, expressed sequence tag.