

Table SI. The logFC values of the DEGs in propofol group.

DEGs	logFC	adj.P Value
IL6	2.394661	6.12E-12
SELE	1.747746	7.29E-10
FOSB	1.72852	1.45E-10
FOS	1.673224	5.57E-06
RND1	1.61752	2.76E-07
CH25H	1.52925	7.50E-14
BRE-AS1	1.494647	1.52E-11
CXCL8	1.414202	4.34E-09
TNFAIP6	1.28273	2.11E-05
PTGS2	1.272696	5.92E-07
PTX3	1.244174	5.92E-07
EGR3	1.233721	9.33E-09
LIF	1.19492	4.68E-08
NR4A2	1.168779	7.65E-10
NR4A3	1.144026	1.64E-09
CXCL1	1.091409	1.35E-05
FOSL1	1.02487	1.05E-06
LOC285556	1.019877	0.00223
CCL2	0.991684	4.69E-08
LOC100130705	0.964773	0.034215
CCL8	0.950991	6.18E-06
HAS2	0.948176	3.91E-08
SERPINB2	0.92499	0.044227
PNP	0.919626	5.55E-06
DUSP5	0.915979	6.38E-07
GPRC5A	0.913934	1.52E-06
VMP1	0.911656	2.20E-07
TAC1	0.906125	0.016145
CSRNP1	0.895751	1.23E-09
IL1RL1	0.894368	9.77E-05
THBS1	0.832455	3.02E-09
JUNB	0.820739	5.70E-09
IL1B	0.819237	0.008349
STC1	0.804953	8.53E-05
DUSP2	0.792724	5.08E-05
ICAM1	0.790362	3.91E-08
RGS16	0.786834	3.37E-06
TFPI2	0.773248	0.001139
EGR2	0.772117	2.09E-06
CXCL2	0.771473	1.45E-10
MYC	0.760282	5.84E-06
PLAUR	0.75093	1.08E-07
SERPINE1	0.748989	0.000115

SLC7A5	0.730207	2.50E-07
CXCL3	0.714547	1.91E-07
EGR1	0.711473	4.34E-10
KDM6B	0.703913	9.77E-05
MAFF	0.698657	6.86E-09
SPHK1	0.694329	6.78E-06
SLC2A3	0.692382	6.94E-08
PLAU	0.675737	2.11E-05
THAP2	0.671759	7.52E-08
HSPA6	0.669772	0.002057
KCNE4	0.659408	0.003928
CYR61	0.646846	1.15E-06
ATF3	0.645058	2.20E-07
CCL11	0.643293	0.025993
ARC	0.63065	0.021461
IL1RN	0.628667	4.28E-09
ZFP36	0.627151	3.69E-08
HMOX1	0.626989	0.000312
NR4A1	0.623752	6.63E-05
TNFAIP3	0.622691	7.17E-08
ISG20	0.60654	0.012438
HAS1	0.604422	0.016785
RGS1	0.596844	1.85E-05
THBD	0.585496	2.10E-05
SOCS3	0.58371	9.28E-10
CDKN1A	0.57989	4.28E-09
CEBPD	0.565135	7.81E-07
IRF1	0.558732	1.24E-06
ADAMTS9	0.557492	7.84E-07
GRHL1	0.541865	0.000688
BTG2	0.539084	0.000108
SPSB1	0.533704	1.41E-05
B3GNT5	0.526789	0.001073
NMU	-0.5063	0.042337
CLDN15	-0.51586	0.01717
SLPI	-0.54354	0.024483
MST1	-0.55052	0.01742
AADAC	-0.6036	0.028934
KLK11	-0.61131	0.025543
ALOX15	-0.64904	0.03951
C21orf62	-0.66964	0.024483
PRR15	-0.81797	0.003408
CBLN2	-0.95414	0.049549
PRR15L	-0.95816	0.004085

Table SII. The logFC values of the DEGs in the sevoflurane group.

DEGs	logFC	adj. P Value
IL6	2.487599	1.59E-10
SELE	1.833474	1.74E-10
FOSB	1.760927	1.87E-09
RND1	1.743216	2.63E-12
BRE-AS1	1.668226	1.53E-10
FOS	1.504763	0.000112
LOC100130705	1.443248	1.16E-06
TAC1	1.429375	5.27E-10
LOC285556	1.36442	2.85E-07
CXCL8	1.339786	1.45E-07
CH25H	1.3394	1.84E-08
LIF	1.337337	1.03E-08
PTX3	1.327235	6.02E-07
IL1RL1	1.235106	6.09E-07
TNFAIP6	1.231728	2.18E-05
EGR3	1.219438	3.15E-05
NR4A3	1.215222	5.65E-12
PTGS2	1.194994	9.65E-07
CCL20	1.164791	0.001132
FOSL1	1.105531	1.53E-08
CCL11	1.090936	0.000314
CXCL1	1.090152	5.22E-07
BCL2A1	1.06816	0.002913
NR4A2	1.036258	3.54E-07
MT1M	1.030513	0.000163
HAS2	0.988598	3.74E-07
VMP1	0.975073	6.02E-07
RGS1	0.931642	1.45E-07
IL1B	0.931486	3.47E-05
DUSP5	0.930764	3.09E-07
THBS1	0.895546	3.09E-07
CSRNP1	0.885766	1.93E-11
SERPINB2	0.884302	0.009156
SPHK1	0.876003	3.29E-06
PNP	0.868463	2.17E-06
KDM6B	0.853936	4.67E-05
CXCL3	0.851686	3.29E-06
SERPINE1	0.841974	5.22E-07
ARC	0.830386	1.73E-05
ICAM1	0.824557	8.42E-08
JUNB	0.820567	3.03E-10
CCL2	0.808179	1.33E-07
IL1R2	0.794484	0.02858

GPRC5A	0.792713	8.42E-08
CXCL2	0.792135	1.45E-07
DUSP2	0.784731	6.58E-08
STC1	0.77849	4.94E-06
C5AR1	0.778475	0.014586
ATF3	0.769515	1.11E-08
EGR2	0.769014	1.66E-05
SLC7A5	0.758807	1.84E-08
THAP2	0.75864	1.97E-08
MAFF	0.754542	7.66E-12
ACKR1	0.738636	0.01002
SLC2A3	0.738249	1.45E-07
RGS16	0.732074	3.48E-05
KCNE4	0.723042	0.020033
CYR61	0.697261	0.00016
NIPAL4	0.695943	0.013237
SPSB1	0.671313	1.48E-07
PLAUR	0.665713	8.29E-05
CD69	0.665638	0.005549
MYC	0.657886	1.03E-08
RAB15	0.644541	2.84E-06
AREG	0.643998	4.56E-07
CDC7	0.64238	0.030942
HMOX1	0.640382	0.003416
GRHL1	0.637876	5.15E-06
IL1RN	0.63664	2.87E-07
SOCS3	0.635593	2.80E-11
CCL8	0.631478	0.005077
TFPI2	0.620203	4.66E-05
PLAU	0.618355	0.00342
LONRF3	0.61481	0.002058
CEBPD	0.614262	6.91E-10
ISG20	0.611231	0.001082
APOLD1	0.609721	1.30E-07
FST	0.60163	0.002238
THBD	0.590277	3.35E-06
CREB5	0.589091	0.024388
TNFAIP3	0.585075	7.23E-07
ZNF674-AS1	0.5834	0.001158
CALCA	0.579419	6.77E-06
EGR1	0.578049	4.23E-07
LINC00473	0.574754	0.006616
ZFP36	0.574449	4.19E-11
SOX17	0.571327	1.04E-06
CISH	0.569551	3.61E-05

ADAMTS9	0.569011	1.16E-06
CA2	0.568634	0.007717
CDKN1A	0.565409	2.80E-11
BTG2	0.56351	6.57E-10
NR4A1	0.555722	7.35E-08
EREG	0.550966	0.005783
CSF3	0.547598	7.49E-06
ARID5A	0.535076	6.57E-10
MESDC1	0.530545	0.001212
NAMPT	0.525641	3.06E-06
TNFRSF12A	0.511891	3.36E-06
PALM2	0.508137	0.024419
FJX1	0.505902	0.000209
LMCD1	0.503375	9.53E-05
GPR3	0.502365	0.002199
ADAMTS1	0.500424	7.92E-06
KIAA1522	-0.50113	0.00179
SLC24A3	-0.50407	6.95E-05
CTSE	-0.51091	0.006755
CEMIP	-0.51618	0.009881
DISP1	-0.52032	1.70E-06
METTL21B	-0.52327	0.012916
OSR1	-0.52775	0.000569
CDH3	-0.53309	0.002017
KCNB1	-0.53316	2.73E-05
LGALS2	-0.53584	0.001824
JCHAIN	-0.54683	0.01409
KANK4	-0.54998	0.025216
GIMAP2	-0.55908	0.011145
RAB27B	-0.55989	2.27E-07
PKHD1L1	-0.5611	1.39E-05
CALB2	-0.56958	0.000228
ANXA9	-0.57	0.002017
SYT17	-0.57041	0.000176
C15orf48	-0.57392	0.029426
NELL2	-0.57986	0.000442
LPAR5	-0.58686	1.46E-07
LINC01105	-0.59228	3.61E-05
KCNT2	-0.6007	2.57E-08
AOX1	-0.6062	0.001318
RAB17	-0.607	0.00023
MYRF	-0.61329	6.57E-10
SCG5	-0.62854	0.000655
GPR34	-0.63204	0.018292
ITLN1	-0.63609	0.023564

HOXB2	-0.63975	9.53E-05
CLIC3	-0.64313	0.000655
ASTN1	-0.64433	0.006958
RTP4	-0.64613	0.00372
RBM43	-0.64896	7.22E-05
DSC3	-0.65385	1.01E-05
EFNB3	-0.65991	4.26E-08
FLRT3	-0.66447	1.32E-05
NMU	-0.66463	0.000546
DPP4	-0.67681	3.54E-07
LINC01133	-0.68708	1.19E-08
CLDN1	-0.70467	0.000485
FMO1	-0.70832	0.004552
SLC28A3	-0.70853	6.77E-06
LRP2	-0.71316	1.24E-07
MST1	-0.71567	1.16E-05
CPXM1	-0.72259	0.000153
CLDN15	-0.72504	4.12E-07
FBP1	-0.74125	0.002465
PLLP	-0.76784	1.75E-06
PDZK1IP1	-0.77002	0.000545
BNC1	-0.78182	1.16E-06
UPK3B	-0.79584	6.43E-06
RSPO1	-0.80353	8.68E-05
C19orf33	-0.80905	3.09E-07
BLNK	-0.86525	2.83E-07
SYT4	-0.87456	0.000302
KLK11	-0.88647	1.45E-07
IL18	-0.89389	8.18E-07
C12orf75	-0.89715	6.12E-07
ALOX15	-0.92879	3.29E-06
SBSPON	-0.94185	2.53E-08
AADAC	-0.966	7.41E-07
SLPI	-0.97637	4.38E-05
C21orf62	-0.98062	5.26E-10
EPB42	-1.00308	1.09E-05
TGM1	-1.00847	5.61E-08
CGN	-1.03421	1.01E-06
PRR15	-1.04203	1.98E-08
KRT19	-1.05043	7.49E-06
SERTM1	-1.07806	0.004099
CBLN2	-1.21913	7.14E-07
MSLN	-1.28767	1.53E-08
UPK1B	-1.30964	0.000246
CPA4	-1.31384	4.56E-07

PRR15L	-1.32677	4.21E-11
LRRN4	-1.34383	1.24E-07
PRG4	-1.42829	0.000303
HSD17B6	-1.43757	1.46E-07
