# Supplementary Materials.

**Fig.1: *FLNB*, *VE-cad*, *VE-PTP* and *CD133*, are up-regulated by hypoxia in Glio5.**

RNAs were extracted from glioma stem cell cultures constantly maintained under normoxia (3% O2) or exposed to hypoxia (0.3% O2) for 48 hours. Glio5 cells were cultured as neurospheres in serum-free medium. RT-qPCR analysis was performed with primers specific for FLNB, VE-cad, VE-PTP, and CD133. Expression levels were normalized relative to the expression level of β-actin. Values are calculated by $2^{-(\text{Ctgene of interest-Ctbetaactin})}$; * $p \leq 0.05$.

**Table I: Genes differentially regulated in U87 glioma when cells are shifted from 20% to 0.3% O2**

| Probe Set ID | Gene Symbol | U87 Ratio 0.3% vs 20% O2 |
|---|---|---|
| 214293_at | --- | 23,25 |
| 209183_s_at | C10orf10 | 14,07 |
| 219434_at | TREM1 | 13,00 |
| 212143_s_at | IGFBP3 | 11,29 |
| 204363_at | F3 | 9,30 |
| 205199_at | CA9 | 8,99 |
| 237335_at | ZP1 | 8,27 |
| 219888_at | SPAG4 | 7,21 |
| 218507_at | C7orf68 | 5,83 |
| 201250_s_at | SLC2A1 | 5,69 |
| 236915_at | C4orf47 | 5,49 |
| 232693_s_at | FBXO16 /// ZNF395 | 5,40 |
| 205832_at | CPA4 | 5,20 |
| 228262_at | MAP7D2 | 5,17 |
| 239619_at | --- | 5,06 |
| 221123_x_at | ZNF395 | 5,05 |
| 219410_at | TMEM45A | 5,02 |
| 228483_s_at | TAF9B | 4,91 |
| 235850_at | WDR5B | 4,77 |
| 200632_s_at | NDRG1 | 4,62 |
| 202022_at | ALDOC | 4,53 |
| 225342_at | AK3L1 | 4,50 |
| 232451_at | --- | 4,39 |
| 228843_at | --- | 4,33 |
| 203325_s_at | COL5A1 | 4,32 |
| 205200_at | CLEC3B | 4,29 |
| 215446_s_at | LOX | 4,26 |
| 214978_s_at | PPFIA4 | 4,24 |
| 236480_at | --- | 4,16 |
| 203407_at | PPL | 4,10 |
| 209859_at | TRIM9 | 4,05 |
| 226348_at | --- | 4,02 |
| 202887_s_at | DDIT4 | 3,99 |
| 236180_at | --- | 3,87 |
| 204971_at | CSTA | 3,81 |
| 230710_at | --- | 3,76 |
| 204284_at | PPP1R3C | 3,72 |
| 221009_s_at | ANGPTL4 | 3,62 |

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|---|---|---|
| 226899_at | UNC5B | 3,57 |
| 238965_at | C21orf2 | 3,52 |
| 204508_s_at | CA12 | 3,49 |
| 205493_s_at | DPYSL4 | 3,48 |
| 226347_at | --- | 3,48 |
| 226452_at | PDK1 | 3,44 |
| 202364_at | MXI1 | 3,42 |
| 227337_at | ANKRD37 | 3,41 |
| 219213_at | JAM2 | 3,34 |
| 230498_at | MCHR1 | 3,32 |
| 213332_at | PAPPA2 | 3,32 |
| 219310_at | TMEM90B | 3,30 |
| 209566_at | INSIG2 | 3,17 |
| 228499_at | PFKFB4 | 3,13 |
| 203574_at | NFIL3 | 3,07 |
| 226436_at | RASSF4 | 2,98 |
| 222847_s_at | EGLN3 | 2,98 |
| 45714_at | HCFC1R1 | 2,98 |
| 203438_at | STC2 | 2,97 |
| 243444_at | SRD5A3 | 2,94 |
| 201195_s_at | SLC7A5 | 2,94 |
| 230695_s_at | RSPH9 | 2,93 |
| 1569263_at | --- | 2,91 |
| 220942_x_at | FAM162A | 2,89 |
| 221766_s_at | FAM46A | 2,88 |
| 236110_at | --- | 2,87 |
| 201673_s_at | GYS1 | 2,80 |
| 213843_x_at | SLC6A8 | 2,80 |
| 202769_at | CCNG2 | 2,79 |
| 213693_s_at | MUC1 | 2,78 |
| 213438_at | NFASC | 2,77 |
| 201010_s_at | TXNIP | 2,77 |
| 206258_at | ST8SIA5 | 2,75 |
| 213169_at | SEMA5A | 2,73 |
| 214268_s_at | MTMR4 | 2,73 |
| 228575_at | IL20RB | 2,73 |
| 202912_at | ADM | 2,73 |
| 227068_at | PGK1 | 2,72 |
| 201148_s_at | TIMP3 | 2,71 |
| 201849_at | BNIP3 | 2,69 |
| 232914_s_at | SYTL2 | 2,69 |
| 224657_at | ERRFI1 | 2,66 |
| 236036_at | --- | 2,66 |
| 210237_at | ARTN | 2,64 |
| 225750_at | --- | 2,61 |

| | | |
|---|---|---|
| 226925_at | ACPL2 | 2,56 |
| 202575_at | CRABP2 | 2,55 |
| 1556629_a_at | SNAP25 | 2,54 |
| 223839_s_at | SCD | 2,53 |
| 218934_s_at | HSPB7 | 2,53 |
| 205302_at | IGFBP1 | 2,51 |
| 202856_s_at | SLC16A3 | 2,50 |
| 224602_at | C4orf3 | 2,50 |
| 227326_at | MXRA7 | 2,50 |
| 212496_s_at | KDM4B | 2,49 |
| 209333_at | ULK1 | 2,46 |
| 209185_s_at | IRS2 | 2,44 |
| 223046_at | EGLN1 | 2,44 |
| 202897_at | SIRPA | 2,44 |
| 235916_at | YPEL4 | 2,43 |
| 202016_at | MEST | 2,43 |
| 240042_at | FIBCD1 | 2,41 |
| 205141_at | ANG | 2,39 |
| 1568611_at | --- | 2,39 |
| 228340_at | TLE3 | 2,38 |
| 222245_s_at | FER1L4 | 2,38 |
| 202291_s_at | MGP | 2,37 |
| 221211_s_at | C21orf7 | 2,35 |
| 225990_at | BOC | 2,35 |
| 201313_at | ENO2 | 2,35 |
| 223502_s_at | TNFSF13B | 2,35 |
| 209119_x_at | NR2F2 | 2,35 |
| 226325_at | ADSSL1 | 2,34 |
| 203296_s_at | ATP1A2 | 2,34 |
| 202464_s_at | PFKFB3 | 2,34 |
| 214101_s_at | --- | 2,33 |
| 222856_at | APLN | 2,33 |
| 226189_at | ITGB8 | 2,32 |
| 244069_at | --- | 2,32 |
| 212155_at | RNF187 | 2,32 |
| 215812_s_at | LOC653562 /// SLC6A10P /// SLC6A8 | 2,31 |
| 218625_at | NRN1 | 2,31 |
| 1554704_at | ATP8B3 | 2,31 |
| 203710_at | ITPR1 | 2,29 |
| 210511_s_at | INHBA | 2,28 |
| 205374_at | SLN | 2,27 |
| 230864_at | MGC42105 | 2,27 |
| 202619_s_at | PLOD2 | 2,26 |
| 222450_at | PMEPA1 | 2,26 |

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|---|---|---|
| 209982_s_at | NRXN2 | 2,26 |
| 204730_at | RIMS3 | 2,25 |
| 227195_at | ZNF503 | 2,23 |
| 231403_at | TRIO | 2,23 |
| 229822_at | --- | 2,22 |
| 235467_s_at | KCNC4 | 2,22 |
| 223703_at | C10orf11 | 2,20 |
| 228959_at | --- | 2,20 |
| 221864_at | ORAI3 | 2,19 |
| 202934_at | HK2 | 2,19 |
| 225649_s_at | STK35 | 2,18 |
| 230085_at | --- | 2,18 |
| 238617_at | --- | 2,17 |
| 230560_at | STXBP6 | 2,16 |
| 237460_x_at | C14orf182 | 2,15 |
| 229382_at | C1orf183 | 2,15 |
| 212713_at | MFAP4 | 2,13 |
| 213256_at | MARCH3 | 2,13 |
| 229898_at | --- | 2,12 |
| 212593_s_at | PDCD4 | 2,12 |
| 221479_s_at | BNIP3L | 2,12 |
| 210749_x_at | DDR1 | 2,11 |
| 202235_at | SLC16A1 | 2,11 |
| 1555579_s_at | PTPRM | 2,11 |
| 203813_s_at | SLIT3 | 2,10 |
| 209656_s_at | TMEM47 | 2,09 |
| 201785_at | RNASE1 | 2,08 |
| 208779_x_at | DDR1 | 2,07 |
| 238116_at | DYNLRB2 | 2,07 |
| 222108_at | AMIGO2 | 2,05 |
| 59625_at | NOL3 | 2,05 |
| 1559960_x_at | LOC100130958 | 2,04 |
| 231178_at | SPATA4 | 2,03 |
| 210677_at | SOAT2 | 2,03 |
| 225626_at | PAG1 | 2,03 |
| 221261_x_at | MAGED4 /// MAGED4B | 2,01 |
| 213629_x_at | MT1F | 2,01 |
| 203973_s_at | CEBPD | 2,00 |
| 238151_at | --- | 2,00 |
| 208320_at | CABP1 | 1,98 |
| 203282_at | GBE1 | 1,98 |
| 204595_s_at | STC1 | 1,97 |
| 225146_at | C9orf25 | 1,96 |
| 225717_at | KIAA1715 | 1,96 |
| 1007_s_at | DDR1 | 1,96 |

| | | |
|---|---|---|
| 205497_at | ZNF175 | 1,96 |
| 208935_s_at | LGALS8 | 1,96 |
| 207020_at | HSF2BP | 1,95 |
| 201701_s_at | PGRMC2 | 1,95 |
| 226424_at | CAPS | 1,94 |
| 201968_s_at | PGM1 | 1,94 |
| 241230_at | --- | 1,93 |
| 205022_s_at | FOXN3 | 1,93 |
| 201919_at | SLC25A36 | 1,93 |
| 216272_x_at | SYDE1 | 1,93 |
| 203986_at | STBD1 | 1,93 |
| 226517_at | BCAT1 | 1,92 |
| 202497_x_at | SLC2A3 | 1,92 |
| 213273_at | ODZ4 | 1,91 |
| 212154_at | SDC2 | 1,91 |
| 44702_at | SYDE1 | 1,89 |
| 241992_at | DRAM | 1,89 |
| 213059_at | CREB3L1 | 1,88 |
| 202237_at | NNMT | 1,87 |
| 209356_x_at | EFEMP2 | 1,85 |
| 226342_at | SPTBN1 | 1,85 |
| 225057_at | SLC15A4 | 1,84 |
| 229810_at | --- | 1,84 |
| 230941_at | LOC728537 | 1,84 |
| 211065_x_at | PFKL | 1,84 |
| 35617_at | MAPK7 | 1,84 |
| 205575_at | C1QL1 | 1,84 |
| 201667_at | GJA1 | 1,83 |
| 221953_s_at | LOC729580 | 1,83 |
| 240873_x_at | DAB2 | 1,83 |
| 241348_at | ZNF654 | 1,83 |
| 203159_at | GLS | 1,83 |
| 204900_x_at | SAP30 | 1,83 |
| 224992_s_at | CMIP | 1,83 |
| 225704_at | FBRSL1 | 1,82 |
| 218002_s_at | CXCL14 | 1,82 |
| 221203_s_at | YEATS2 | 1,81 |
| 1559776_at | --- | 1,81 |
| 228008_at | --- | 1,80 |
| 222288_at | --- | 1,80 |
| 36711_at | MAFF | 1,80 |
| 210512_s_at | VEGFA | 1,80 |
| 217949_s_at | VKORC1 | 1,80 |
| 203749_s_at | RARA | 1,80 |
| 228080_at | LAYN | 1,80 |

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|---|---|---|
| 225056_at | SIPA1L2 | 1,80 |
| 222221_x_at | EHD1 | 0,55 |
| 218398_at | MRPS30 | 0,55 |
| 215506_s_at | DIRAS3 | 0,55 |
| 233970_s_at | TRMT6 | 0,55 |
| 219581_at | TSEN2 | 0,55 |
| 205770_at | GSR | 0,55 |
| 208910_s_at | C1QBP | 0,55 |
| 200790_at | ODC1 | 0,55 |
| 203708_at | PDE4B | 0,54 |
| 211379_x_at | B3GALNT1 | 0,54 |
| 1555091_at | PPM1F | 0,54 |
| 222417_s_at | SNX5 | 0,54 |
| 225143_at | SFXN4 | 0,53 |
| 225571_at | LIFR | 0,53 |
| 203499_at | EPHA2 | 0,53 |
| 228366_at | --- | 0,53 |
| 221581_s_at | LAT2 | 0,53 |
| 226319_s_at | THOC4 | 0,52 |
| 225301_s_at | MYO5B | 0,52 |
| 225827_at | EIF2C2 | 0,51 |
| 228098_s_at | MYLIP | 0,51 |
| 222837_s_at | NARG1 | 0,50 |
| 202069_s_at | IDH3A | 0,50 |
| 218772_x_at | TMEM38B | 0,50 |
| 235117_at | CHAC2 | 0,50 |
| 207891_s_at | HAUS7 /// TREX2 | 0,49 |
| 229236_s_at | SFXN4 | 0,49 |
| 221606_s_at | NSBP1 | 0,48 |
| 223296_at | SLC25A33 | 0,48 |
| 205479_s_at | PLAU | 0,48 |
| 239177_at | IRGQ | 0,47 |
| 234987_at | --- | 0,47 |
| 205364_at | ACOX2 | 0,46 |
| 1569190_at | SCLT1 | 0,46 |
| 204933_s_at | TNFRSF11B | 0,44 |
| 203083_at | THBS2 | 0,44 |
| 223580_at | SPSB2 | 0,44 |
| 1570153_at | C13orf38 | 0,43 |
| 221252_s_at | GSG1 | 0,43 |
| 220122_at | MCTP1 | 0,42 |
| 224909_s_at | PREX1 | 0,39 |
| 210145_at | PLA2G4A | 0,37 |
| 205576_at | SERPIND1 | 0,36 |
| 210662_at | KYNU | 0,35 |

| | | |
|---|---|---|
| 204439_at | IFI44L | 0,35 |
| 229349_at | LIN28B | 0,35 |
| 206693_at | IL7 | 0,31 |

**Table II: Genes differentially regulated in Glio6 cells cultured in serum-free medium when cultures are shifted from 3% to 0.3% O2.**

| Probe Set ID | Gene Symbol | Glio6 Ratio 0.3% vs3% O2 |
|---|---|---|
| 203438_at | STC2 | 10,02 |
| 222847_s_at | EGLN3 | 7,73 |
| 226452_at | PDK1 | 5,24 |
| 202912_at | ADM | 4,88 |
| 202934_at | HK2 | 4,37 |
| 202856_s_at | SLC16A3 | 4,33 |
| 208614_s_at | FLNB | 4,25 |
| 204304_s_at | PROM1 | 4,11 |
| 230498_at | MCHR1 | 4,00 |
| 228483_s_at | TAF9B | 3,94 |
| 202887_s_at | DDIT4 | 3,91 |
| 236480_at | --- | 3,89 |
| 235850_at | WDR5B | 3,86 |
| 201170_s_at | BHLHE40 | 3,84 |
| 209493_at | PDZD2 | 3,78 |
| 236915_at | C4orf47 | 3,67 |
| 225283_at | ARRDC4 | 3,53 |
| 219410_at | TMEM45A | 3,44 |
| 210675_s_at | PTPRR | 3,44 |
| 230250_at | PTPRB | 3,37 |
| 1555997_s_at | IGFBP5 | 3,28 |
| 227868_at | LOC154761 | 3,24 |
| 210512_s_at | VEGFA | 3,20 |
| 202998_s_at | LOXL2 | 3,13 |
| 202022_at | ALDOC | 3,06 |
| 230710_at | --- | 2,99 |
| 220942_x_at | FAM162A | 2,95 |
| 201010_s_at | TXNIP | 2,88 |
| 225342_at | AK3L1 | 2,86 |
| 226682_at | RORA | 2,86 |
| 200827_at | PLOD1 | 2,77 |
| 204677_at | CDH5 | 2,74 |
| 214978_s_at | PPFIA4 | 2,71 |
| 201565_s_at | ID2 | 2,68 |
| 232693_s_at | FBXO16 /// ZNF395 | 2,68 |
| 212364_at | MYO1B | 2,64 |
| 205199_at | CA9 | 2,64 |

| | | |
|---|---|---|
| 227068_at | PGK1 | 2,64 |
| 221123_x_at | ZNF395 | 2,62 |
| 201849_at | BNIP3 | 2,56 |
| 1552256_a_at | SCARB1 | 2,54 |
| 224797_at | ARRDC3 | 2,49 |
| 200878_at | EPAS1 | 2,47 |
| 228057_at | DDIT4L | 2,45 |
| 214043_at | PTPRD | 2,42 |
| 219622_at | RAB20 | 2,39 |
| 230630_at | --- | 2,38 |
| 218717_s_at | LEPREL1 | 2,38 |
| 201250_s_at | SLC2A1 | 2,35 |
| 227271_at | FGF11 | 2,27 |
| 207543_s_at | P4HA1 | 2,24 |
| 205970_at | MT3 | 2,22 |
| 1553159_at | DNAH11 | 2,21 |
| 228499_at | PFKFB4 | 2,20 |
| 200632_s_at | NDRG1 | 2,20 |
| 202497_x_at | SLC2A3 | 2,19 |
| 240055_at | --- | 2,17 |
| 232451_at | --- | 2,15 |
| 212689_s_at | KDM3A | 2,15 |
| 202524_s_at | SPOCK2 | 2,14 |
| 211685_s_at | NCALD | 2,11 |
| 223046_at | EGLN1 | 2,08 |
| 202733_at | P4HA2 | 2,02 |
| 203282_at | GBE1 | 2,02 |
| 205204_at | NMB | 2,02 |
| 223276_at | MST150 | 2,01 |
| 227168_at | MIAT | 1,99 |
| 201313_at | ENO2 | 1,99 |
| 208321_s_at | CABP1 | 1,97 |
| 221479_s_at | BNIP3L | 1,97 |
| 218484_at | NDUFA4L2 | 1,97 |
| 228770_at | GPR146 | 1,96 |
| 236180_at | --- | 1,96 |
| 200795_at | SPARCL1 | 1,93 |
| 203710_at | ITPR1 | 1,93 |
| 208308_s_at | GPI | 1,90 |
| 223172_s_at | MTP18 | 1,90 |
| 1558834_s_at | C1orf62 | 1,87 |
| 238996_x_at | ALDOA | 1,85 |
| 212776_s_at | OBSL1 | 1,84 |
| 225750_at | --- | 1,84 |
| 218995_s_at | EDN1 | 1,83 |

| | | |
|---|---|---|
| 211026_s_at | MGLL | 1,83 |
| 219670_at | BEND5 | 1,82 |
| 226347_at | --- | 1,82 |
| 229156_s_at | --- | 1,81 |
| 227529_s_at | AKAP12 | 1,80 |

**Table III: Genes differentially regulated in Glio6 cells cultured in the presence of 10% fetal calf serum when cultures are shifted from 3% O2 to 0.3% O2.**

| Probe Set ID | Gene Symbol | Glio6 FCS Ratio 0.3% vs 3% O2 |
|---|---|---|
| 204748_at | PTGS2 | 5,46 |
| 219232_s_at | EGLN3 | 4,98 |
| 230250_at | PTPRB | 4,91 |
| 202934_at | HK2 | 4,18 |
| 235850_at | WDR5B | 4,15 |
| 202887_s_at | DDIT4 | 4,09 |
| 203438_at | STC2 | 3,94 |
| 225342_at | AK3L1 | 3,75 |
| 201010_s_at | TXNIP | 3,46 |
| 228483_s_at | TAF9B | 3,44 |
| 226452_at | PDK1 | 3,25 |
| 204304_s_at | PROM1 | 3,25 |
| 205199_at | CA9 | 3,20 |
| 1553770_a_at | SLAMF9 | 3,12 |
| 227868_at | LOC154761 | 3,09 |
| 221123_x_at | ZNF395 | 3,08 |
| 232693_s_at | FBXO16 /// ZNF395 | 3,06 |
| 226682_at | RORA | 2,94 |
| 202912_at | ADM | 2,93 |
| 210675_s_at | PTPRR | 2,88 |
| 219410_at | TMEM45A | 2,84 |
| 236480_at | --- | 2,71 |
| 228057_at | DDIT4L | 2,71 |
| 201250_s_at | SLC2A1 | 2,70 |
| 209031_at | CADM1 | 2,61 |
| 220942_x_at | FAM162A | 2,54 |
| 217028_at | CXCR4 | 2,51 |
| 236180_at | --- | 2,50 |
| 202856_s_at | SLC16A3 | 2,49 |
| 1552256_a_at | SCARB1 | 2,47 |
| 213397_x_at | RNASE4 | 2,46 |
| 232451_at | --- | 2,42 |
| 236915_at | C4orf47 | 2,38 |
| 236513_at | --- | 2,37 |
| 228635_at | PCDH10 | 2,37 |
| 230710_at | --- | 2,31 |
| 201313_at | ENO2 | 2,29 |

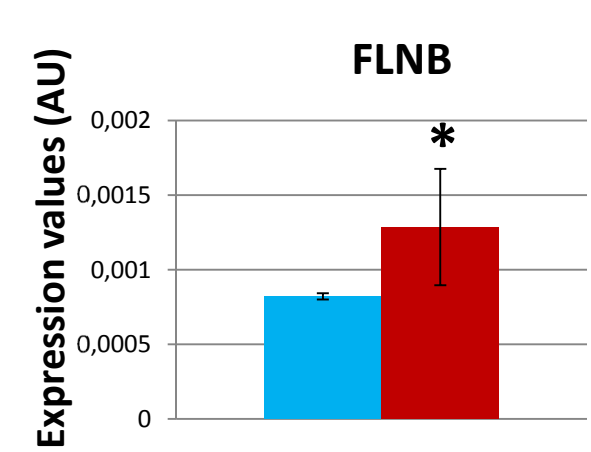
| | | |
|---|---|---|
| 201849_at | BNIP3 | 2,29 |
| 202524_s_at | SPOCK2 | 2,27 |
| 242868_at | --- | 2,27 |
| 210512_s_at | VEGFA | 2,25 |
| 201170_s_at | BHLHE40 | 2,25 |
| 209348_s_at | MAF | 2,25 |
| 216236_s_at | SLC2A14 /// SLC2A3 | 2,23 |
| 218723_s_at | C13orf15 | 2,21 |
| 219670_at | BEND5 | 2,21 |
| 225962_at | ZNRF1 | 2,20 |
| 205204_at | NMB | 2,20 |
| 227068_at | PGK1 | 2,18 |
| 204508_s_at | CA12 | 2,18 |
| 224797_at | ARRDC3 | 2,18 |
| 211782_at | IDS | 2,16 |
| 208614_s_at | FLNB | 2,15 |
| 218995_s_at | EDN1 | 2,13 |
| 227717_at | FLJ41603 | 2,11 |
| 209309_at | AZGP1 | 2,11 |
| 207543_s_at | P4HA1 | 2,09 |
| 208320_at | CABP1 | 2,08 |
| 211026_s_at | MGLL | 2,07 |
| 200878_at | EPAS1 | 2,06 |
| 230711_at | --- | 2,04 |
| 204730_at | RIMS3 | 2,02 |
| 202497_x_at | SLC2A3 | 2,01 |
| 204677_at | CDH5 | 2,01 |
| 218218_at | APPL2 | 1,99 |
| 227004_at | --- | 1,99 |
| 202998_s_at | LOXL2 | 1,98 |
| 235419_at | --- | 1,97 |
| 203710_at | ITPR1 | 1,96 |
| 234725_s_at | SEMA4B | 1,96 |
| 212364_at | MYO1B | 1,96 |
| 200632_s_at | NDRG1 | 1,96 |
| 202221_s_at | EP300 | 1,96 |
| 227271_at | FGF11 | 1,96 |
| 223046_at | EGLN1 | 1,95 |
| 200827_at | PLOD1 | 1,95 |
| 225750_at | --- | 1,92 |
| 208876_s_at | PAK2 | 1,92 |
| 205227_at | IL1RAP | 1,91 |
| 221479_s_at | BNIP3L | 1,91 |
| 242051_at | --- | 1,91 |
| 214862_x_at | --- | 1,90 |

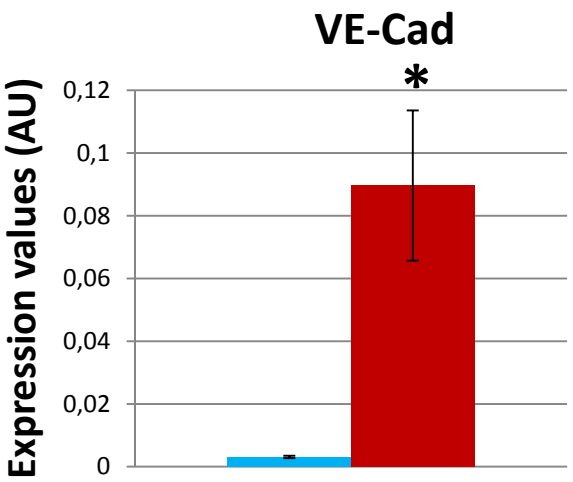
| | | |
|---|---|---|
| 213493_at | SNED1 | 1,90 |
| 202341_s_at | TRIM2 | 1,90 |
| 212488_at | COL5A1 | 1,89 |
| 214068_at | BEAN | 1,89 |
| 209566_at | INSIG2 | 1,88 |
| 205249_at | EGR2 | 1,88 |
| 202620_s_at | PLOD2 | 1,87 |
| 232990_at | FAM104B | 1,87 |
| 237169_at | --- | 1,85 |
| 212143_s_at | IGFBP3 | 1,84 |
| 212689_s_at | KDM3A | 1,84 |
| 209357_at | CITED2 | 1,83 |
| 238965_at | C21orf2 | 1,82 |
| 232744_x_at | --- | 1,82 |
| 237585_at | C4orf47 | 1,81 |
| 203563_at | AFAP1 | 1,81 |
| 203282_at | GBE1 | 1,81 |
| 220914_at | --- | 1,81 |
| 238914_at | DCC | 1,81 |
| 1564028_s_at | FAM115C | 1,80 |
| 210215_at | TFR2 | 1,80 |

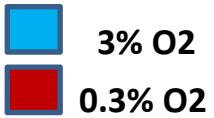
**Table IV.**

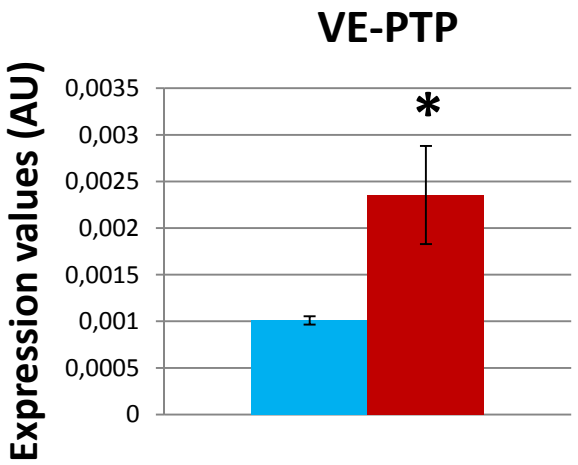
**Sequences of the primers used in the RT-qPCR experiments**

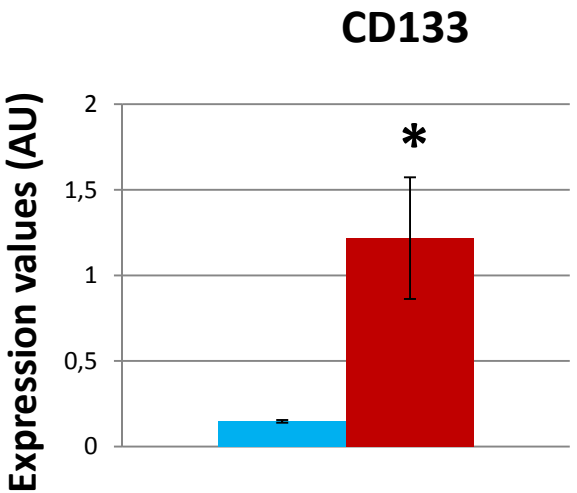
| Gene | Forward (5'-3') | Reverse (3'-5') |
|---|---|---|
| *Actin* | tgttttctgcgcaagttagg | ctcctgagcgcaagtactcc |
| *CD133* | cagcagagagcagatgacca | tccacagaaatttacctacattgg |
| *VE-PTP* | gtgatcctcaggtcggtgac | caaggaagcccagactgaag |
| *VE-cad* | ctggcccttgtcactggt | aagcctctgattggcacagt |
| *FLNB* | acataggcctcttcggtcac | tcactgtcatggccacagat |


FLNB
Expression values (AU)
0,002
0,0015
0,001
0,0005
0
*


VE-Cad
Expression values (AU)
0,12
0,1
0,08
0,06
0,04
0,02
0
*


3% O2
0.3% O2


VE-PTP
Expression values (AU)
0,0035
0,003
0,0025
0,002
0,0015
0,001
0,0005
0
*


CD133
Expression values (AU)
2
1,5
1
0,5
0
*