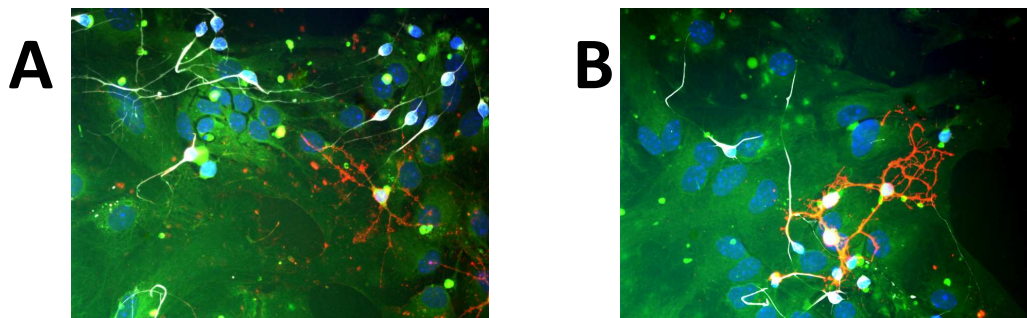


Supplementary Materials.

Fig. 1



C

Probe set ID	Gene name	Gene symbol	Variation fold
10576332	tubulin, beta 3	Tubb3	1.0
10547807	enolase 2, gamma neuronal	Eno2	1.1
10383920	neurofilament, heavy polypeptide	Nefh	1.0
10421100	neurofilament, medium polypeptide	Nefm	1.0
10416175	neurofilament, light polypeptide	Nefl	1.0
10593293	neural cell adhesion molecule	Ncam1	1.1
10389047	amiloride-sensitive cation channel 1, neuronal	Accn1	0.9
10426782	amiloride-sensitive cation channel 2, neuronal	Accn2	1.0
10391798	glial fibrillary acidic protein	GFAP	0.9
10360227	phosphoprotein enriched in astrocytes 15A	Pea15a	0.9
10530847	phosphoprotein enriched in astrocytes 15B	Pea15b	1.1
10596575	mesencephalic astrocyte-derived neurotrophic factor	Manf	1.1
10381154	2',3'-cyclic nucleotide 3' phosphodiesterase	Cnp	1.0
10457022	myelin basic protein	Mbp	1.0
10436828	oligodendrocyte transcription factor 1	Olig1	0.8
10436823	oligodendrocyte transcription factor 2	Olig2	0.8
10361895	oligodendrocyte transcription factor 3	Olig3	1.0
10405058	oligodendrocyte myelin glycoprotein	Omg	1.0
10450845	myelin oligodendrocyte glycoprotein	Mog	1.1

Fig. 2

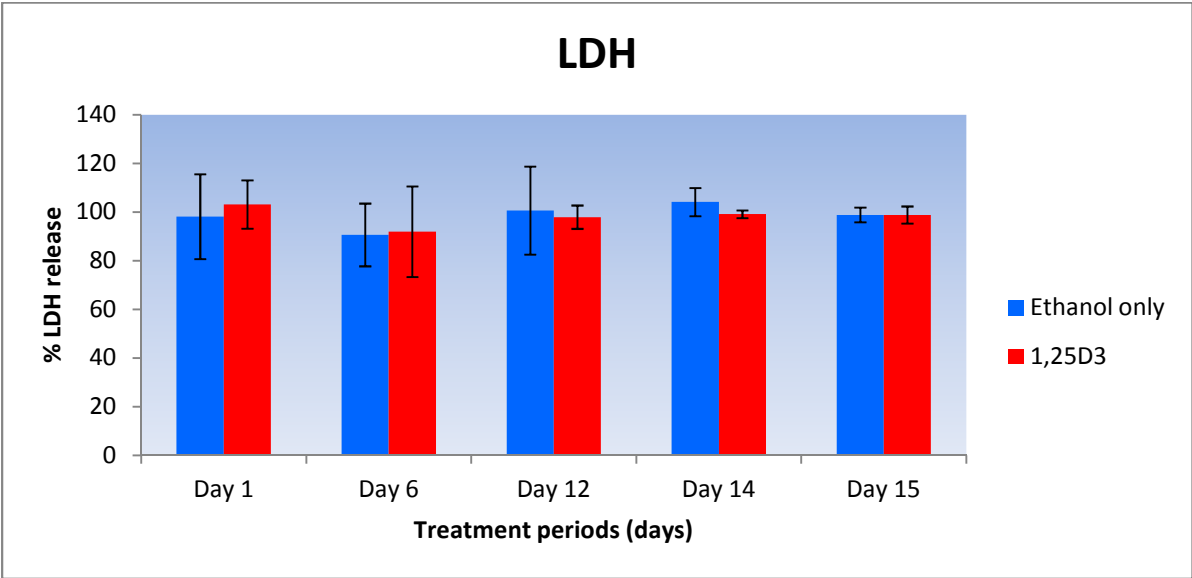
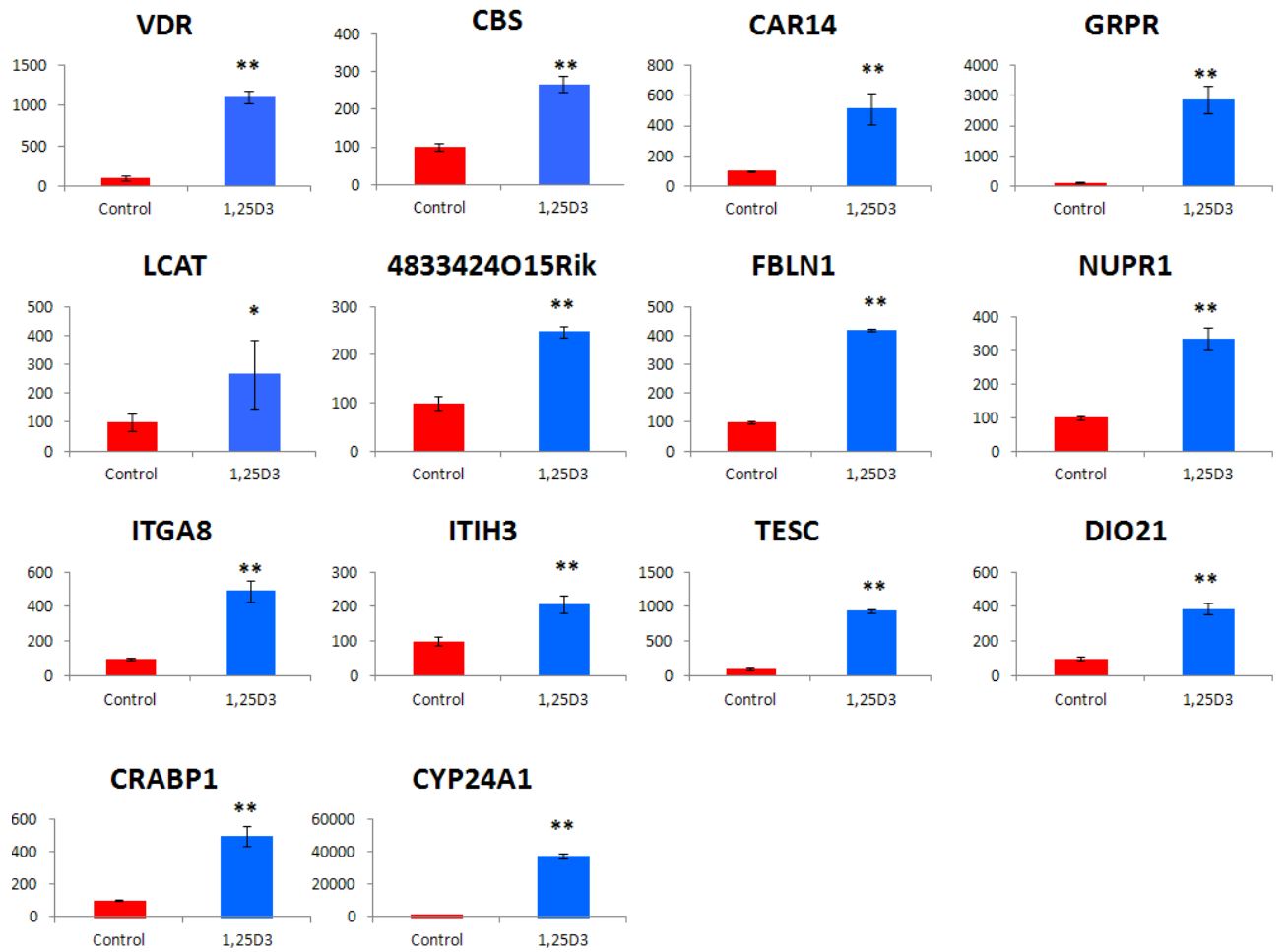


Fig. 3



Gene	Forward	Reverse
ACTB	ACCAGAGGCATACAGGGACA	CTAAGGCCAACCGTGAAAAG
CAR14	GTTTCCCAGCCGCTTCTT	TGGGTCTAGGTGTGGGAATC
CBS	GCAGTGACAACCCCAAACA	GCCTGGTCAGGAGTGGTG
CRABP1	TGTGCAGTGAATCTTGTCTCA	AAGGTCGGAGAGGGCTTC
CYP24a1	TCTTGATTTGGGGGTGAAAA	CTGCCATTGCGTTCTGT
DIO2	GGAATTGGGAGCATCTTCAC	CTGCGCTGTGTCTGGAAC
FBLN1	CGGCACTGCTGCTTACAG	CAGGACCAGCTAAGATTCTT
GRPR	CTTCCGGGATTCGATCTG	TGATTCAGAGTGCCTACAATCTTC
ITGA8	AGTTCTGTGCTCCTCTTGAA	TGGAGAATTCACTGGGGACT
ITIH3	CTCTGGGAGGCTCCGTTT	CTCTGGCTTGGAGACCTCTG
LCAT	GAGGGGGAGAAACAAGTTGA	ACACGGCCTGTCATCCTC
NUPR1	GTGTGGTGTCTGTGGTCTGG	GAAGCTGCTGACCAAGTTCC
4833424O15Rik	GGAGCTAGGTTTCCTGTAACCAC	AACCGTCCGATTTCTTGGA
SLC7a3	GAGGAACAGCAGGCACCTT	AATTTCTGGGGTTCATCTGGA
VDR	CTTCTCTGGGGACTCCTCCT	TGGACGAGTCCATCATGTCT
Tesc	AGGGTTTCCCGAGAGCAG	TCACGAAAGGAGAAGCTGAAAT
Cyp24a1	TCTTGATTTGGGGGTGAAAA	CTGCCATTGCGTTCTGT
SDHA	CAGTTCCACCCACAGGTA	TCTCCACGACACCCTTCTGT

Table 1