

Table S5 Intersected target genes detected in spinal cords from ALS human patients and ALS mice models.

Overlapped genes in Figure 5F
VIPR1
IRF7
CSF2RB
CCL8
TPM2
COL5A1
BMP1
TAGLN2
GMIP
MT1A
TNFRSF14
LCP2
CYBA
KCNJ11
ABLIM2
COLEC11
PLD4
SLAMF9
MRC2
WNT3
SARDH
C3orf18
CSF3R
PODXL
MT1X
RASGEF1C
DENND3
POMC
CKAP2L
NCF4
SH3TC1
LSM10
UBA52
CCL2
IL1A
LY6H
TMPRSS4
ARHGAP28
CD14
AGPAT2
EMP1
EPHA1

Overlapped genes in Figure 5G
C1qc
Gpr146
Ptbp1
Clic1
C1qa
C1qb
Spire1
Man2b2
Agt
Zap70
Phyhd1
Nme4
Rhbdf1
Triobp
Fanci
Slc1a5
Angptl2
E2f2
Cd68
Ube2l6
Ankrd54
Rac2
Ebi3
Eif4a3
Ablim2
Abr
Dctn3
Pycard
Kcns1
Sgpl1
Micall2
Pou3f4
Syk
Prr13
Plxnd1
Arhgap8
Sorbs1
Serpinf2
Polb
Ly6g6e
Rgs12
Rpl13

SLC9A8
KCNMB1
OXTR
ROBO4
SLCO4A1
KIF23
BIRC5
LY6G6E
CLIC1
GABRA2
PLSCR1
PCGF1
KLK9
SERPINE1
KLK8
TELO2
FHOD1
CCL15
CCL15-CCL14
ATF3
MAFK
EBI3
CEACAM8
CCL23
PLCG2
MFNG
DCTN3
PRR5-ARHGAP8
BTK
RBPM2
TRIM47
AKR1B10
LAG3
ANKRD24
SDC1
SLC16A3
CPNE2
RIPK1
RPL7
ARHGAP8
CEACAM1
GFAP
PHC1
MICALL2
CBS

Hspb7
Aldh3b1
Hrk
Klf9
Spdef
Tgfb2
Ctsb
Slco4a1
Nlrp3
Ncf2
Ccl17
Selpg
Cyba
Igfbp1
Fyb
Pscl
Mxra8
Il10ra
Il21r
Vav1
Colla1
G630025P09Rik
Lamb3
Rnf126
Itga5
Maff
Nes
Unc93b1
Prkcd
Bst2
Eef1d
Pcgf1
Kremen2
Ptafr
Vamp8
Plekha4
Bcl6b
Adora3
Smtn
Gsdmd
Hapln3
Podxl
Acsl6
Mt2
Sh3pxd2a

TNFAIP8L2
APRT
TCEA2
TTC7A

Aldh1l1
Ccdc50
Mtx1
Hck
Hspb1
Mt1
Rftn2
Purg
Chaf1a
Tlr12
1500015O10Rik
Plvap
Cdca5
Csflr
Telo2
Gtf2i
Plcg2
Trmt1
Plau
Slc6a7
Ccdc102a
Efemp2
Trub2
Oas11
Tram2
Syt15
Arrb1
Hmgn3
Lgi4
P2ry6
Sh3tc1
Gusb
S100a3
Tmprss4
Fmod
Hdac1
Camk2b
0610010K14Rik
Cdk5rap3
4632428N05Rik
Sh3bp2
Axl
Susd3
Rusc1
Prss23

Immp11
Sla
Rnf122
Ercc2
Gpr84
Ankrd13a
Senp7
Prdx6
F3
Porcn
Kcnmb1
Lamc3
Stat1
Cebpb
Zbtb16
Ppl
Ifitm3
Ddx17
Dock8
Rasip1
Mmp19
Cbs
Preli1
Tlr2
Rln1
Lag3
Git2
Smad6
Tnfrsf14
Fhod1
S100a4
Sardh
Col5a3
Bmp1
Serping1
Fxyd1
Gm
Ifi30
Ankzf1
Arid4b
Rras
Sult1a1
Cyp46a1
Fus
Hcrtr1

Sdc4
Proz
Puf60
Clu
Slc1a3
Il6ra
Folr2
Sltm
Pdlim4
Rbp1
Kcnj11
Dcun1d2
Irf1
Mafk
Isg15
Ifi35
Pkig
Cst7
Zfp36
Spata21
Bcl3
Arhgap25
Cks2
Ly86
Mcm3
Epha1
Col5a1
Rpl41
2810408A11Rik
Hist2h2bb
Slc12a4
Id3
Eef1g
Mxd3
Stat6
Ndufa3
Ccdc63
Dapp1
Il17ra
Tcea2
Cmtm6
Hpgd
Rarg
Tmem140
Il1a

Ndufb4
Socs1
A2m
Pld2
Itgb8
Ccnb1
Zan
Tspo
Lfng
Dusp15
Gldc
Ap1g2
Gtf2ird1
S100a6
Best1
Slfn2
Irf8
Id1
Dhrs1
Rps26
Cebpa
Ccl2
F11r
Pla1a
Tcf3
Dhx58
Ripk4
Man2b1
Prodh
Aprt
Shroom3
Plcb2
Kif2c
Gmip
Baiap212
Tomm20
Slamf9
Parp3
C1ca1
Socs3
Tnfrsf1a
Ccl22
Tor3a
Rplp2
Irf9

Wnt8b
Fxyd5
Zfp69
Srgn
Ube2c
Fcgr1
Lif
Atp8b1
Ascl2
Ii10rb
Traf3ip3
I830077J02Rik
Ctsh
Uba52
Klf15
Tmem119
Klc3
Pcdh8
Fcgr4
Rnf138
Tgfb1
Ltbr
Fkbp10
Osgin1
Tekt4
Rin1
Prss35
Atp5l
Ddx11
Sbsn
Mrpl54
Fcgr3
Ch25h
Abca1
Rpl9
Kcne2
AU015228
Fgfr4
Phox2a
Emp3
Car15
Cox6a2
Icam1
Kif23
Tubb6

Ckap21
Coro1a
Oasl2
Cmtm3
Vcp
Irf3
Isoc2b
Pomc
Crym
Dennd3
Hao
Tagln2
Cd33
Ndc80
Ilk
Cd14
Psm6
Laptn5
Hvcn1
Kcnj8
Piwil2
Ston1
Usp18
Arhgdib
Cotl1
Prc1
Ncan
Icam2
Ccl12
Trib3
C2
Vipr1
Selenbp1
Cmtm7
Trex1
Fcer1g
Pros1
Gpr179
Rhoc
Csf3r
Lrrc43
Cdk10
Acbd5
Fmnl3
Sparc

Lcp2
Gja5
Gpr35
Tgif1
Npm3
Apobec3
Trib1
Mrc2
Fzd10
Gfap
Mafb
Plekhf1
6430571L13Rik
Slc11a1
Zranb3
Cldn15
Tgm2
Ifitm7
Fas
Sp8
Kif11
Rbpjl
Csf2rb
Tyrobp
Arrdc2
2700094K13Rik
Ccdc93
Cirbp
Cend2
Ppm1j
Angpt4
AA467197
Ecm1
Pld4
Lamb2
Plek
Mpeg1
Olfm1
Ripk1
Rpl39
Gtsel
Trim14
Ankrd24
Top2a
1810011O10Rik

Arhgap12
Tatdn1
Ilf3
C3
Slc24a4
Leng8
Pik3ap1
Cryba4
Usp2
Batf2
Abcg2
Lsm10
Stbd1
Impdh2
Ii18bp
Plcd3
Lpin3
Tcn2
Tspan4
Acr
Rab43
Cln1
Mrpl12
Tuft1
Ccnb2
Mustn1
Tinf2
Col4a2
Lama4
Fkbp9
Nupr1
Klf13
Lgals3bp
Cck
Mrpl21
Hapln2
C3ar1
Rpl28
Fbxo39
Cd9
Dock2
Nos3
Cxcl12
Calml4
Rps13

Chst3
Cpne8
Lrrc34
Itgam
5730409E04Rik
Trim47
Spc25
Klk8
Loxl2
Hoxd13
Ptpn6
Pbxip1
Serpinb8
Bglap2
Mark2
Vasn
Dmpk
Emr1
Mfng
Tpm2
Irf7
Agpat2
Pxmp2
Fbxo17
Csf2rb2
Ngfr
Slfn8
Mboat2
Klk9
Tmem106a
Bmp6
Iqgap2
Acta1
Psmc3ip
Myo1b
Alox5
Xylb
Ptrf
Lefty1
Myd88
Itgb2
Lrrc52
Adams18
Fcgr2b
Fes

Arhgap30
Rdh9
Ticam2
H2-K1
Adamts1
Stat2
Zfp276
Zcrb1
Cftr
Pofut1
Ccdc84
Mybpc2
Pnpla7
Fpgs
Eya3
Cldn3
Sdc1
Rcor3
4931429I11Rik
Rbpms2
Rps271
Aim2
Rpl35
Prrx2
Aif1
Cox5b
Rcn3
Cnr2
Mcc
Pgam5
Dct
Cd93
Sh3bgr
Abhd4
Dbp
5730559C18Rik
Cpa2
C8g
Prom2
Nrg4
Mle1
Ncf4
Dmcl1
Cenpa
Rab25

Cmklr1
Skil
Phldb2
Lamc2
Mvp
Cyp4v3
Zc3h6
Tob2
Oas1a
Tnxb
Itgal
Dazl
Slfn9
Sbno2
Dap3
Ifit3
4930505A04Rik
Nid2
Btbd16
Pfdn5
Gtf2e2
Foxd1
Mkl1
Plekhf2
Akr1b8
Sox4
Nckap11
Ccne2
Cend1
Eme1
Pi16
Traf4
Got111
Smo
Ctss
H2-Ab1