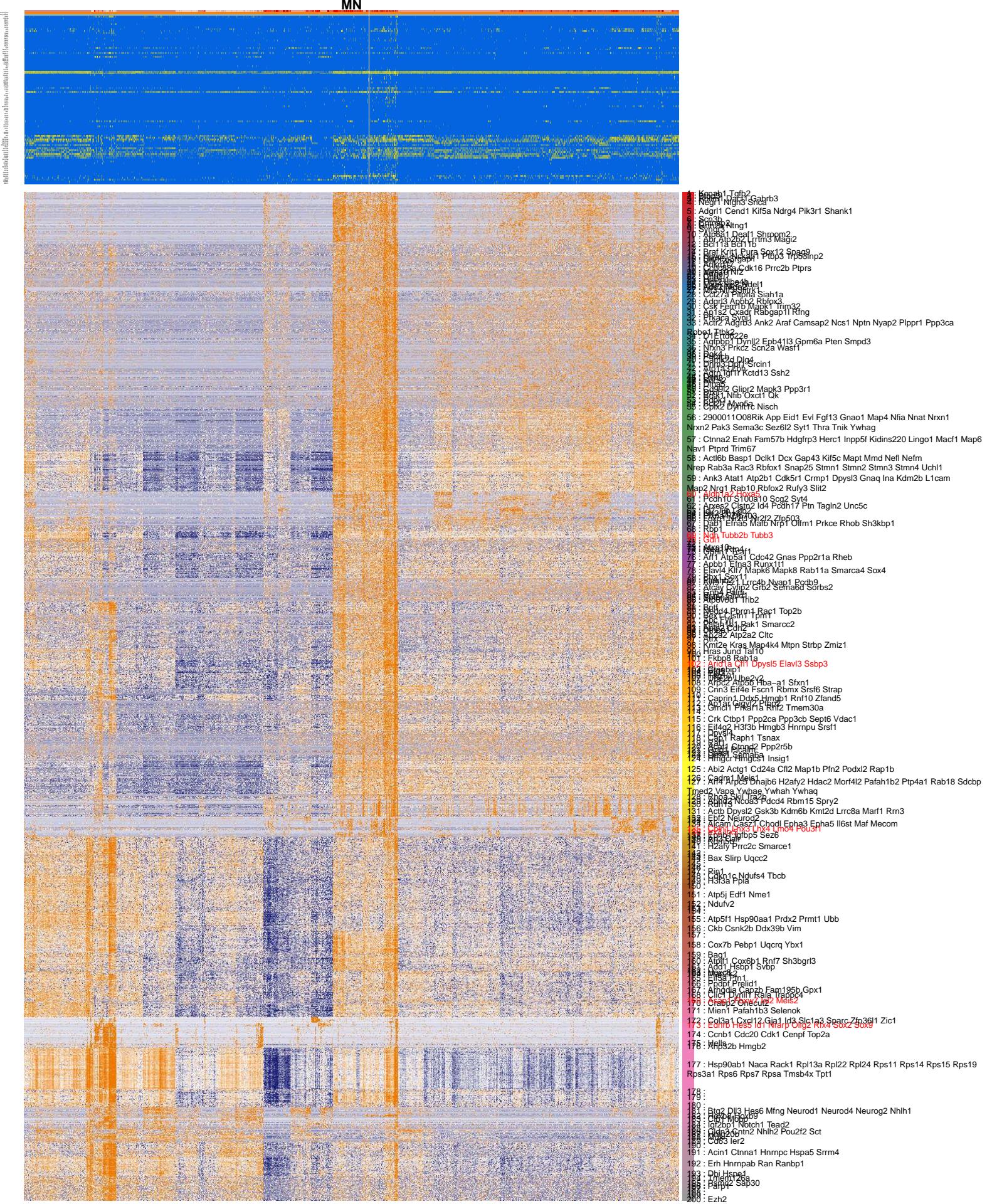
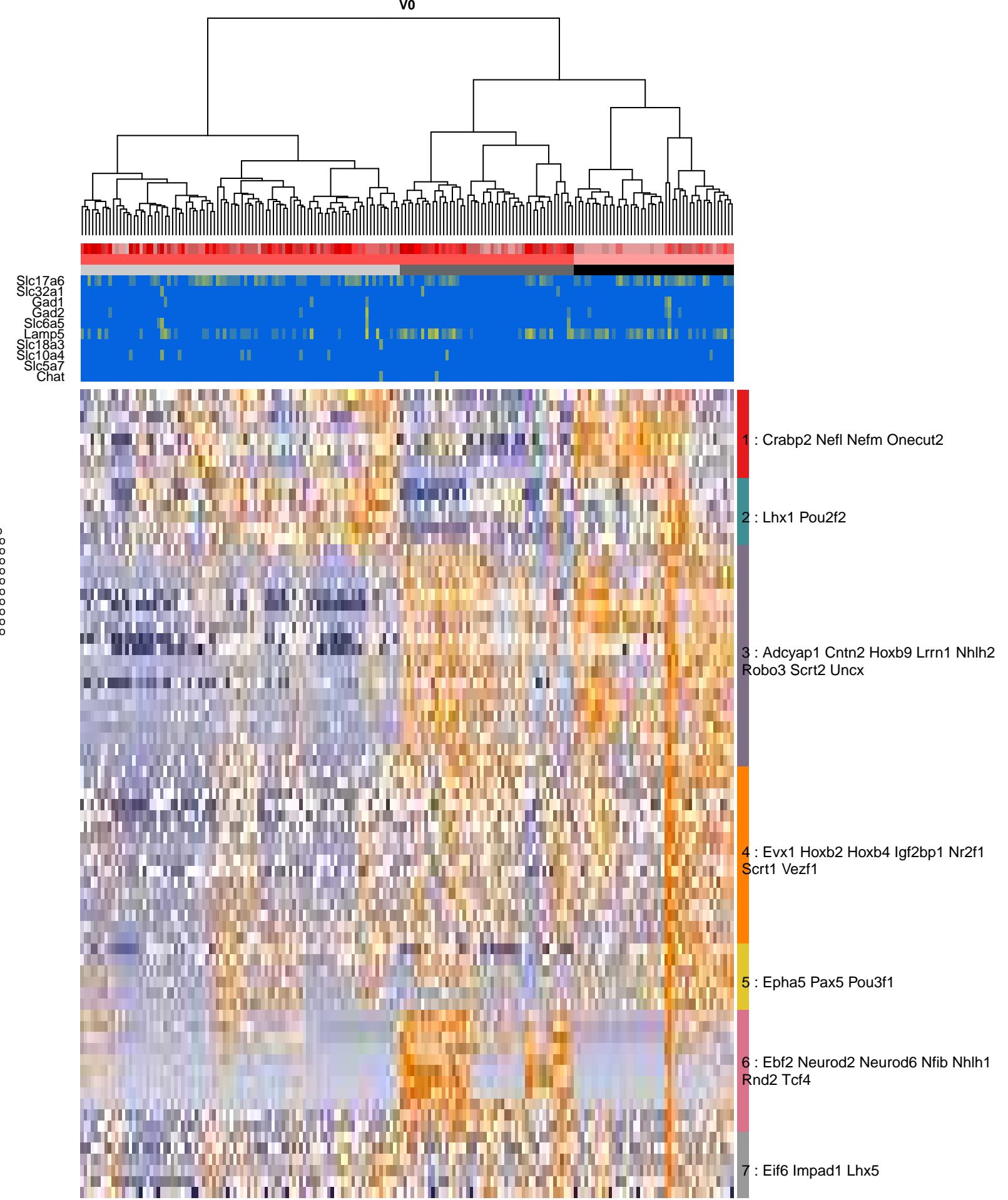
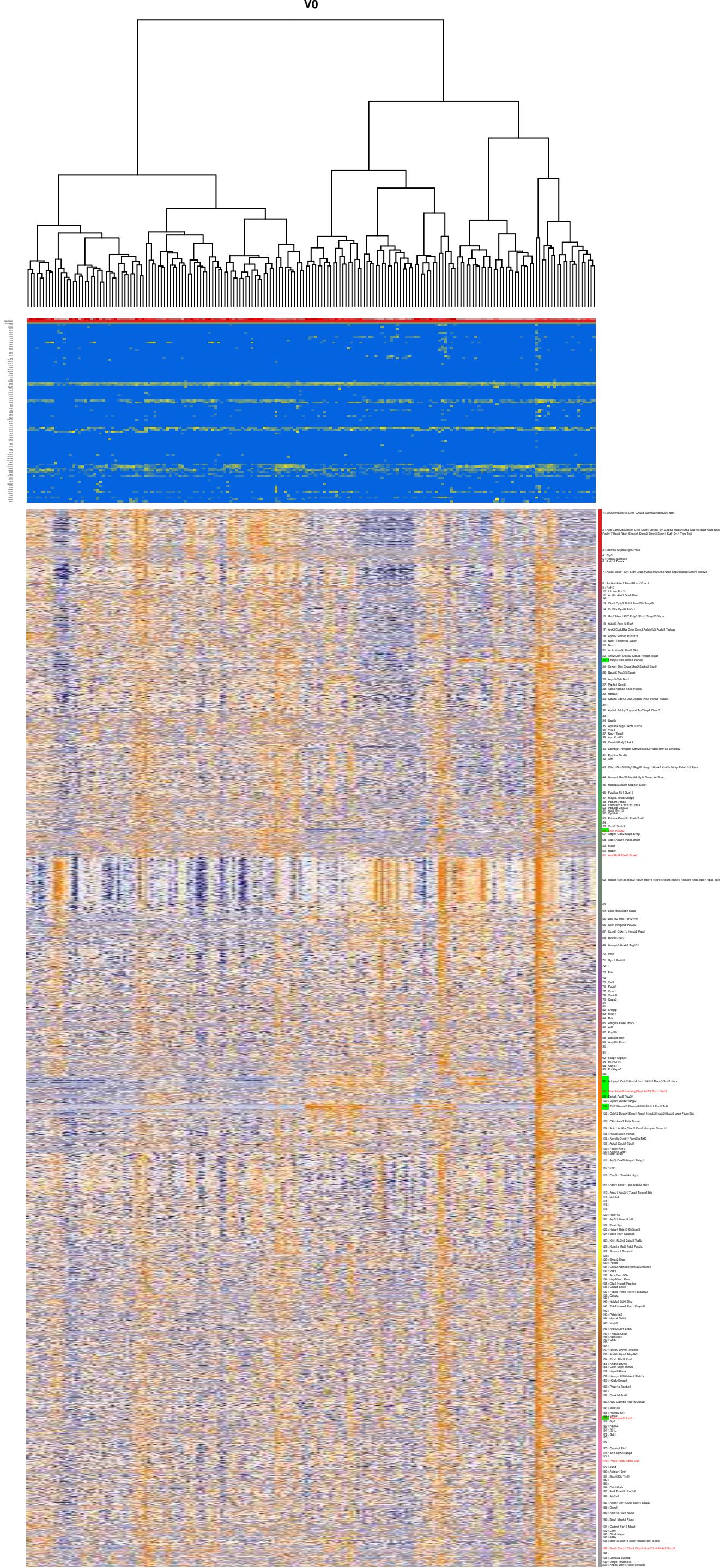
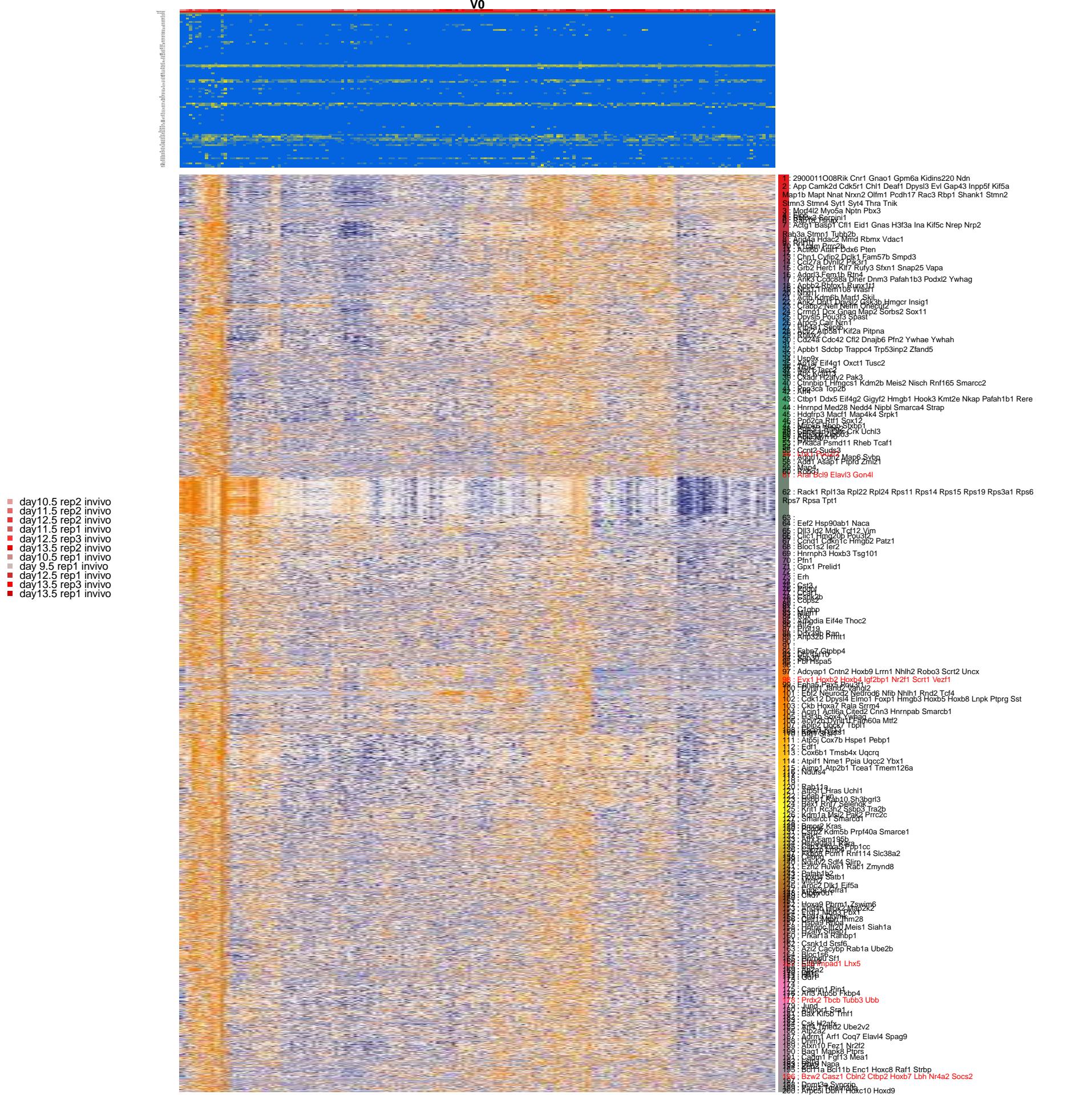


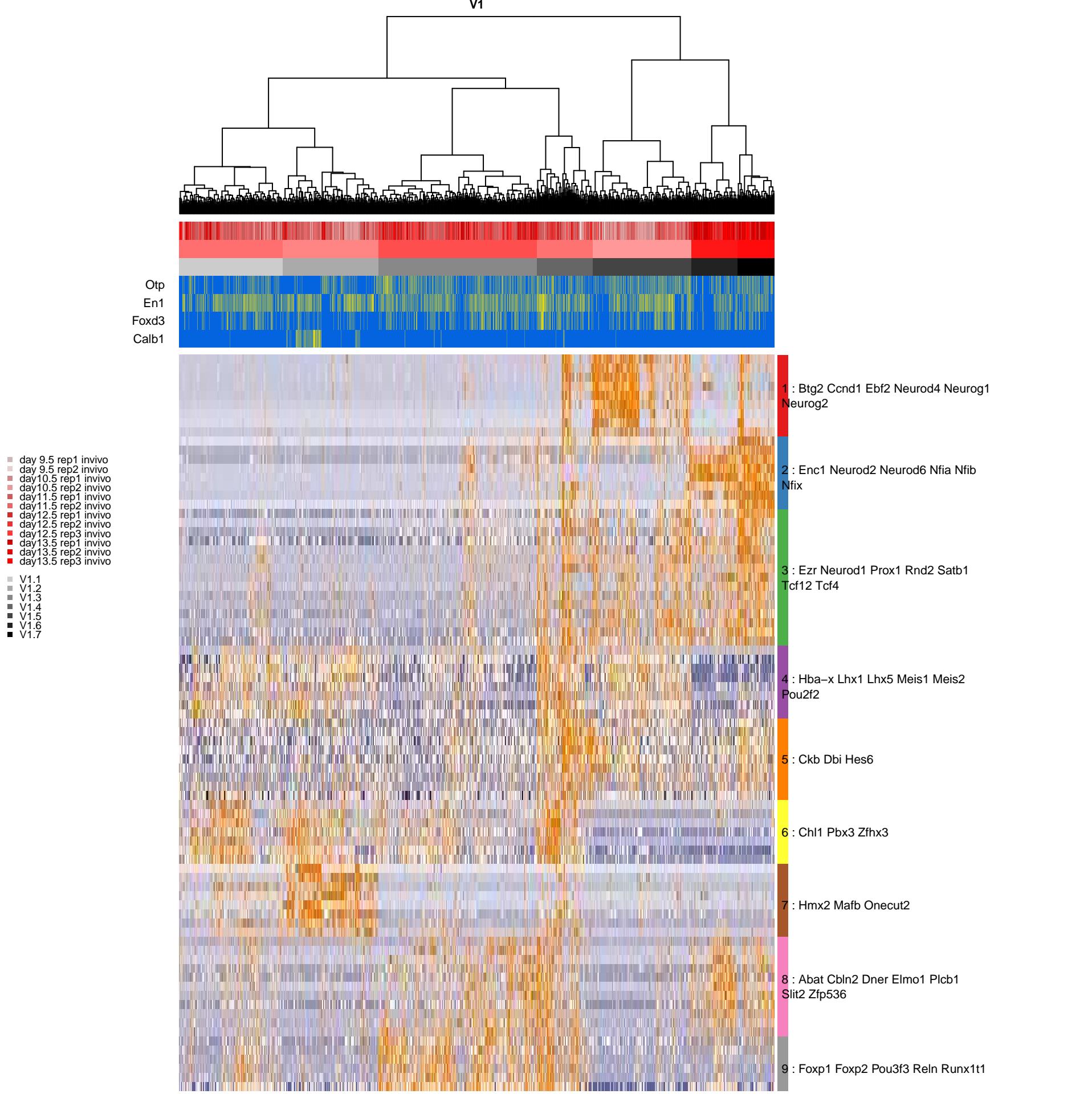
- day10.5 rep1 invivo
- day 9.5 rep2 invivo
- day 9.5 rep1 invivo
- day12.5 rep1 invivo
- day13.5 rep3 invivo
- day10.5 rep2 invivo
- day11.5 rep2 invivo
- day11.5 rep1 invivo
- day13.5 rep2 invivo
- day12.5 rep3 invivo
- day13.5 rep1 invivo
- day12.5 rep2 invivo

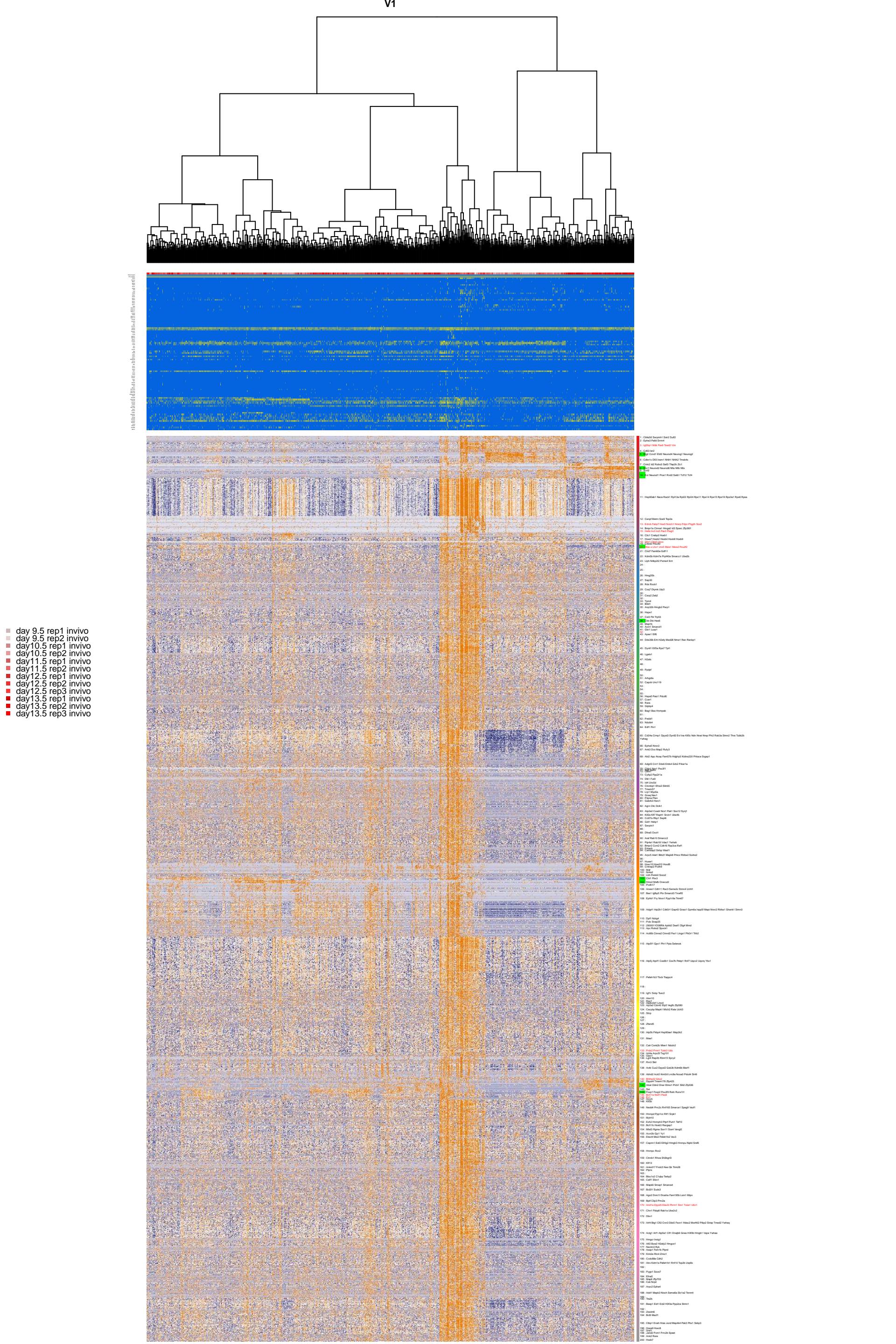


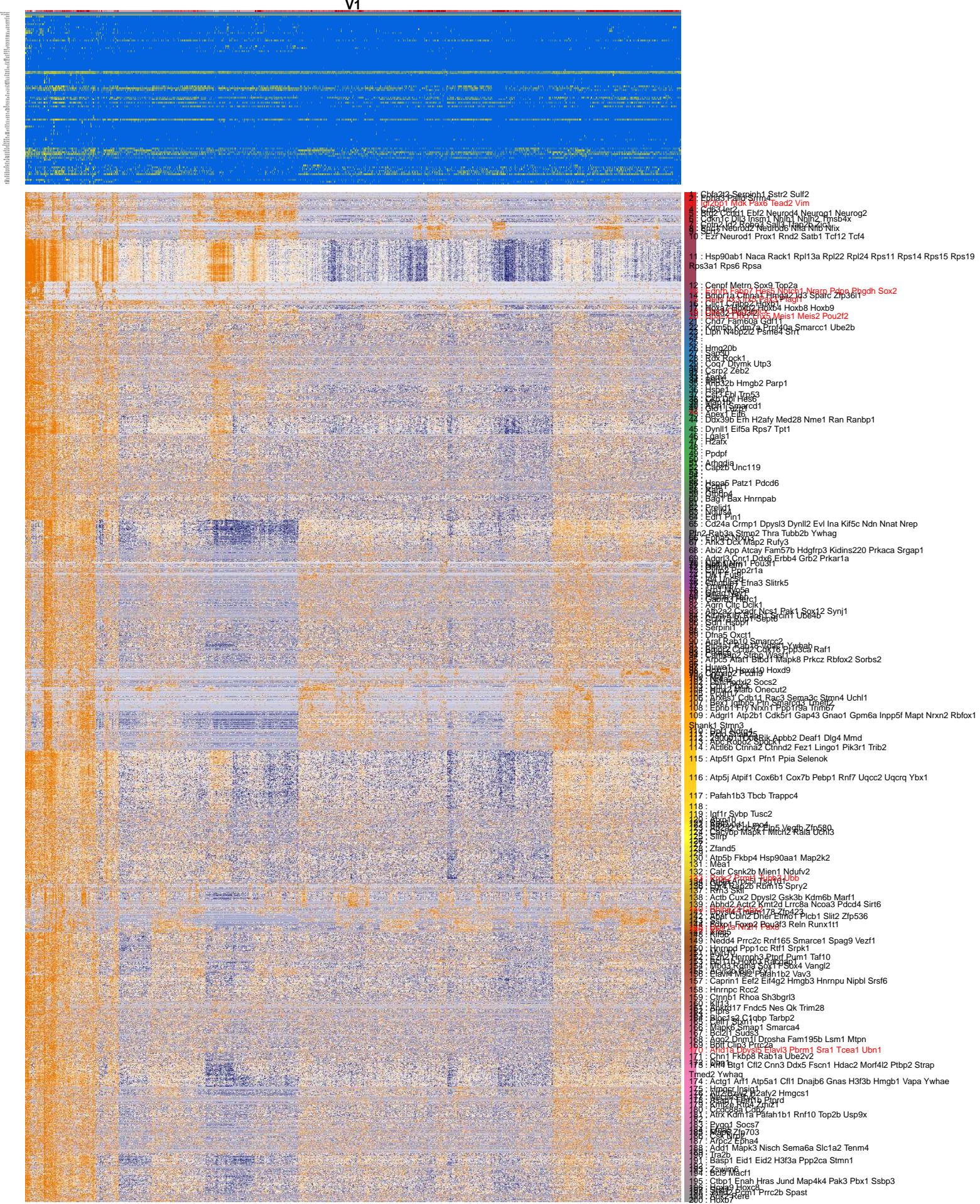


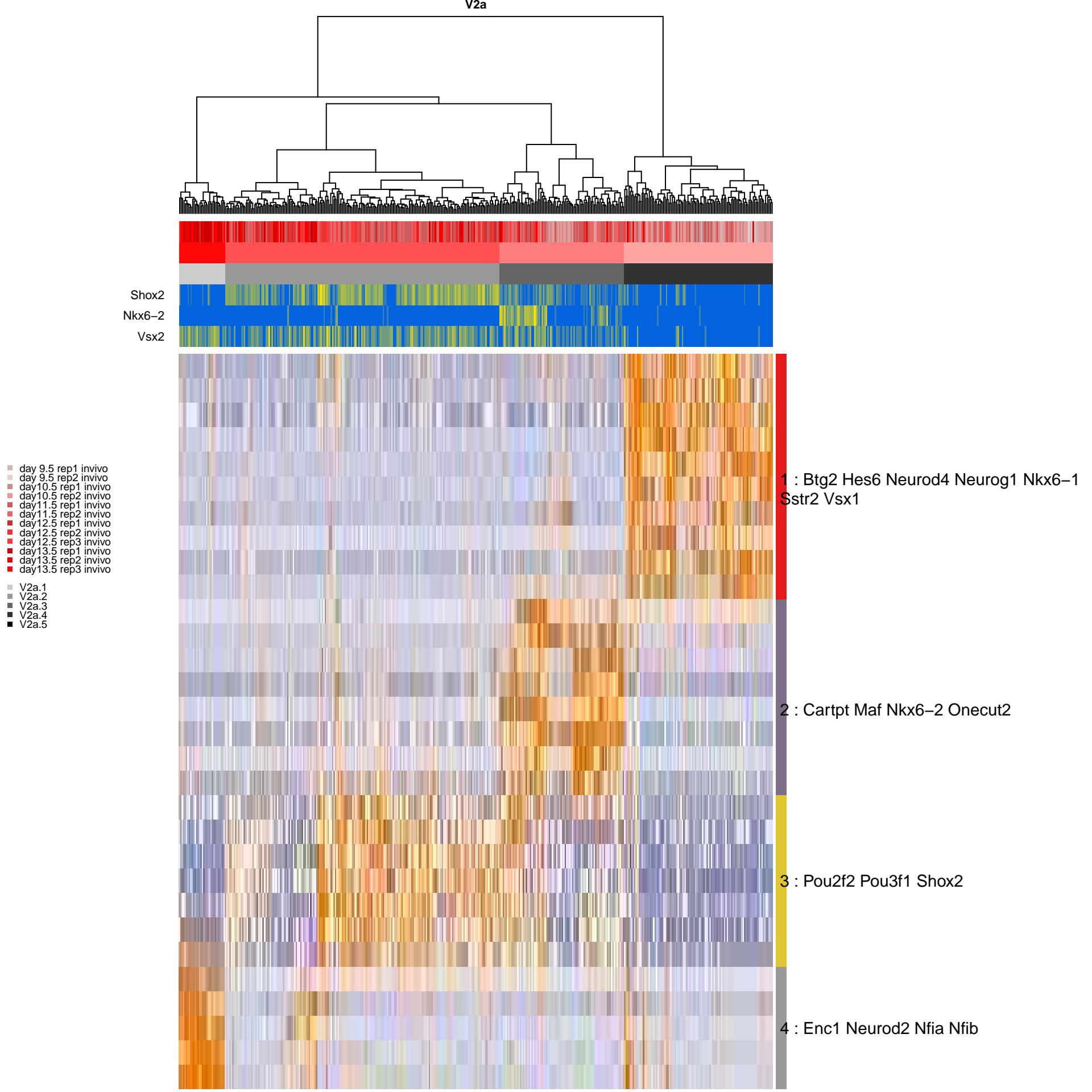




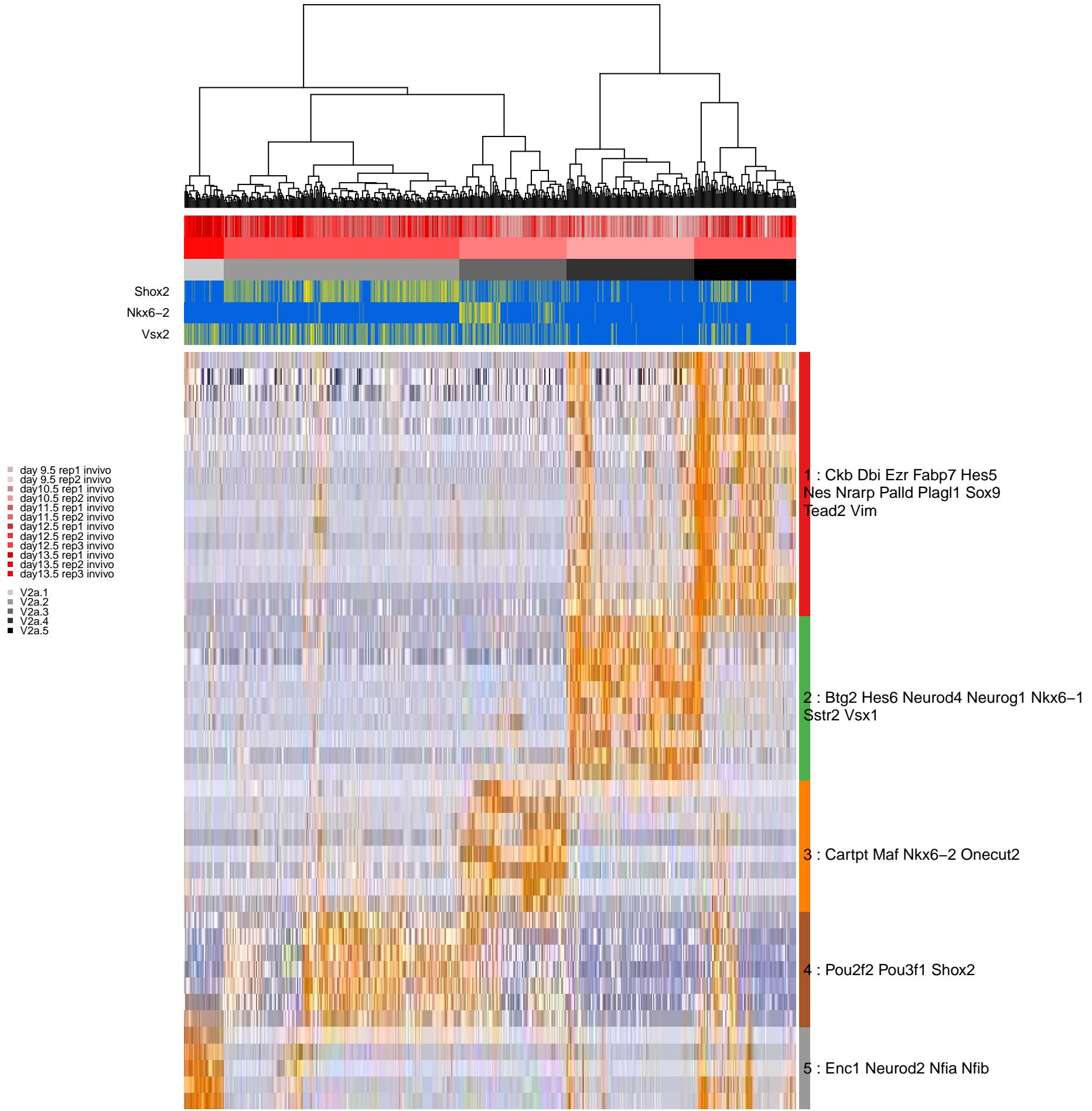




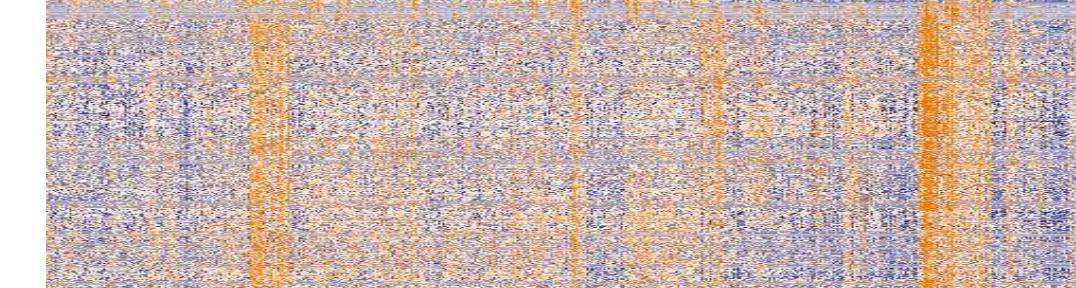
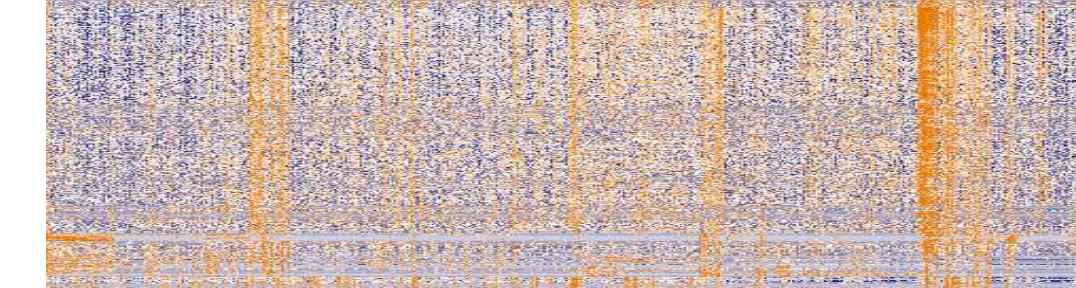
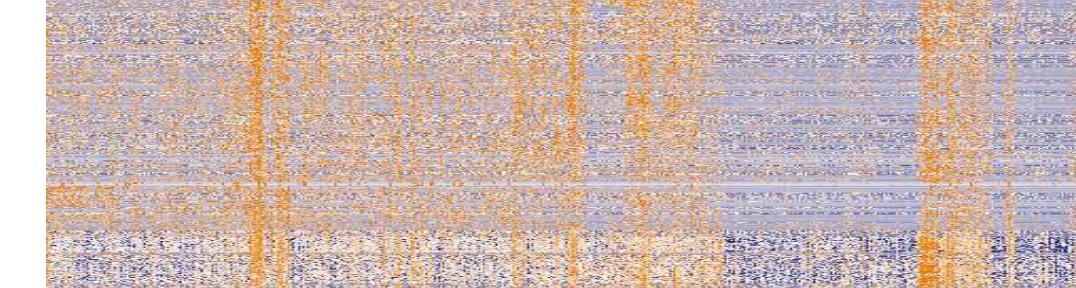
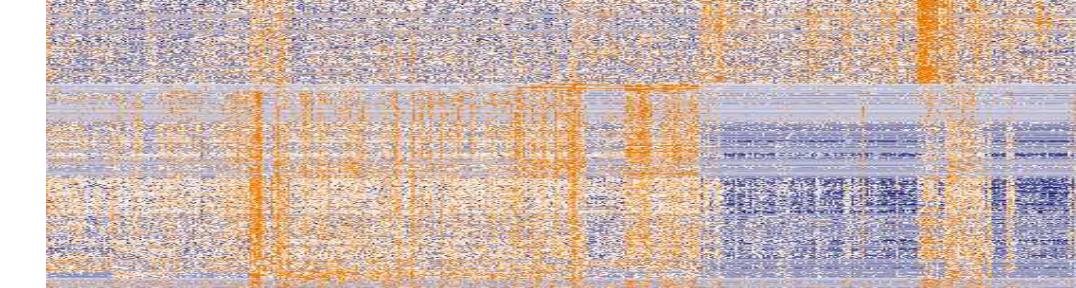
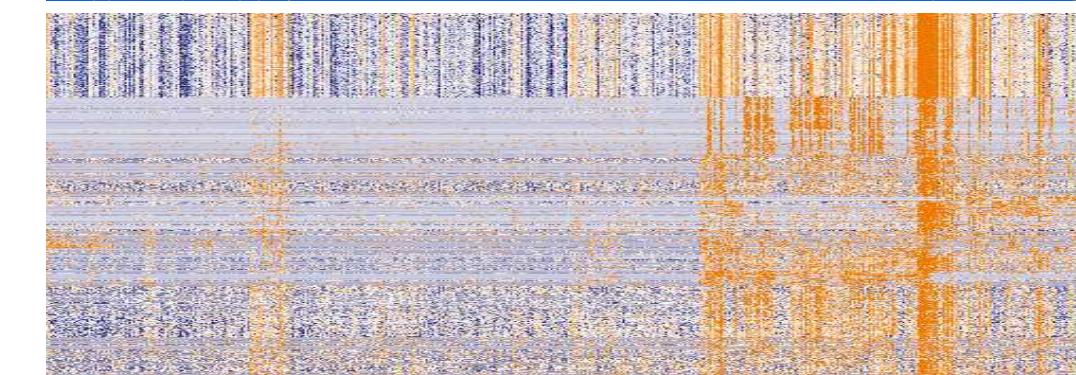
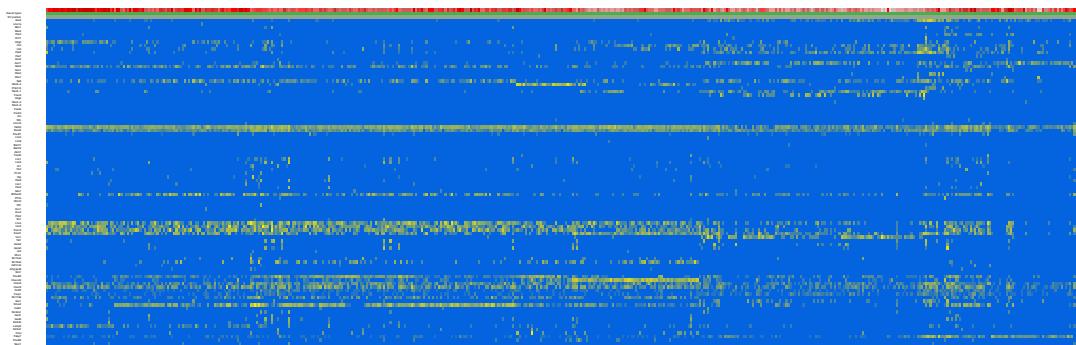
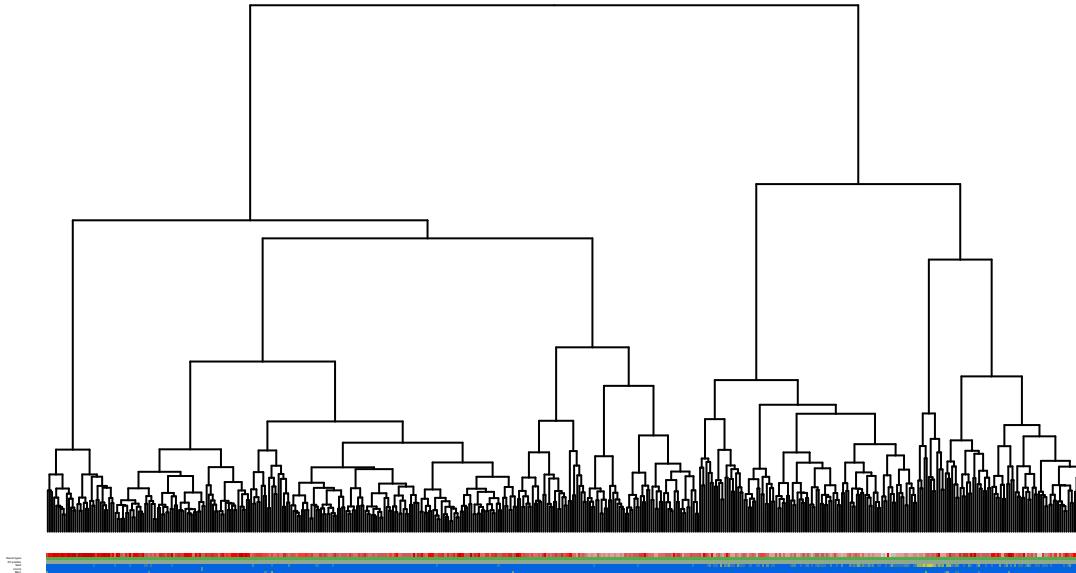




V2a



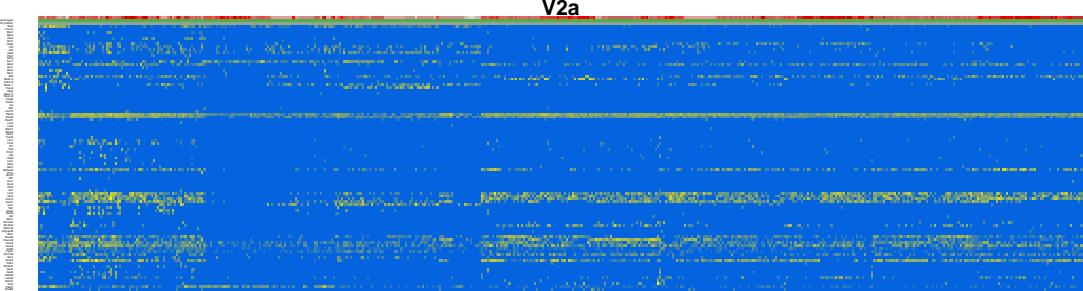
V2a



- day 9.5 rep1 invivo
- day 9.5 rep2 invivo
- day10.5 rep1 invivo
- day10.5 rep2 invivo
- day11.5 rep1 invivo
- day11.5 rep2 invivo
- day12.5 rep1 invivo
- day12.5 rep2 invivo
- day12.5 rep3 invivo
- day13.5 rep1 invivo
- day13.5 rep2 invivo
- day13.5 rep3 invivo

- 1 HapB001 Nasu Ract1 Rpt2ba Rpt22 Rpt24 Rpt11 Rpt15 Rpt19 Rpt3a1 Rptd Rpt7 Rpsa Tpt1
- 2 Cnbt1 Cct20 Ckt1 Cnpt Hgnt2 Top2a
- 3 Atp Dnb Fmdt Hels Kmt1 Top2b Tyms
- 4 Asci Cct20 Cht Cnvt Faspl Iet1 Wf4 Nsc1 Ppe Pgsb Tpt2
- 5 Lge Rst Tdt
- 6 Lge Sgnpt1 Sml
- 7 Cht Cht Faf2 Head New Palp Plag1 Sndk Tex2 Vm
- 8 Hmg2 Id Jun Menn Ngt Ok Rlk Rlk Shpt Spce Zp361
- 9:
- 10 D35 Emd Mng Neurq3 Nh11 Pnt1 T04
- 11:
- 12 Bmz Cnn1 E2fl Mki Pst2 Snd2
- 13 Hsc7 Insert Tpx1
- 14:
- 15 Anp2b Ccrp Fmdt Hd4 Hmg1 Ppt1
- 16: Enr Hmgb1 Hsp1 Rsn Rndpt1
- 17 Lph
- 18 Dts3b Hmg2b
- 19:
- 20: Olymk
- 21:
- 22:
- 23:
- 24:
- 25:
- 26:
- 27:
- 28: Etho Pak2
- 29: Bsn Krt3
- 30: Atfa Pnt Tmdt12
- 31: Cnvt Extra Hgnd1 Ph1 Pntt Spp30
- 32: Fnt
- 33: Psd2
- 34: Psd3
- 35: Clnk Knt
- 36: Blst Cdk5
- 37: Blst Cdk5
- 38: Igf1pr Rst2 Snd1
- 39: Igf1pr Rst2 Snd1
- 40: Dnt
- 41: Dnt
- 42: Hmgb1 Hmgb2 Hmgb3
- 43: Mlti Vast1
- 44: Pntt Spp30
- 45: Clnk Knt
- 46: Clnk Tmd2
- 47: Clnk
- 48: Blst Lmt2
- 49: Blst Lmt2
- 50: Blst Lmt2
- 51: Blst Lmt2
- 52: Gnr Mod2 Pmdt1
- 53: Pns
- 54: Acnt Gndza
- 55: Clnk
- 56: Clnk
- 57: Clnk
- 58: Clnk
- 59: Epha4
- 60: Eifl Hst1
- 61: Eifl Hst1
- 62: Eifl Hst1
- 63: Eifl Hst1
- 64: Spp1
- 65: Clnk
- 66: Clnk
- 67: Adm Cnq1 Cnvt2 Nslnt4 Pnt1
- 68: Dnt
- 69: Dnt
- 70: Dnt
- 71: Dnt
- 72: Chf Dnk1 Ep3k1 Pigr1 Pyp1 Snd2 Spck1
- 73: Ltnp
- 74: Kmt3 B3d Snedt Dsg1 Syl Ust1
- 75: App Gpr1 Gjnd1 Iva Mpl Nrn2 Nng1 Cln1 Rltar1 Snp25 Snn2 Snn3 Trk
- 76: Asci Cct20 Fmdt Nsn Nsl Nsn Rsn1 Rsn2 Spt1
- 77: Asci Cct20 Gjnd1 Iva Qsp1 Kln1 Kln2 Kln3 Kln4 Mpl2 Nsn2 Pst2 Rsn2 Rsn3 Spt1
- 78: Cdk1 Cndt1 Spt1 Dyn2 Ippd2 Mch1 Nsp2 Rsn1t Shw1
- 79: Bsn Eifl B1 Mnt Mnt2 Nsp Pntt Pns Pns2 Ywag
- 80: Bsn Eifl B1 Mnt Mnt2 Nsp Pntt Pns Pns2 Ywag
- 81: Hmg2 Rst2 Snd2
- 82: Hmg2 Rst2
- 83: Hmg2 Rst2
- 84: Asci Ktfa Krt7 Mnd Zwnt2
- 85: Asci Ktfa Krt7 Mnd Zwnt2
- 86: Rhsa
- 87: Rhsa
- 88: Rhsa
- 89: Rhsa
- 90: Rhsa
- 91: Rhsa
- 92: Asci Asci Clnk Hgnt2 Pak1 Rsk Wst1
- 93: Asci Asci Clnk Hgnt2 Pak1 Rsk Wst1
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- 115: Srd2 Zhd1
- 116: Asci Cln1 Gnt1 Hgnt2 Srd1 Srd2 Srd3
- 117: Asci Cln1 Gnt1 Hgnt2 Srd1 Srd2 Srd3
- 118: Asci Cln1 Gnt1 Hgnt2 Srd1 Srd2 Srd3
- 119: Asci Cln1 Gnt1 Hgnt2 Srd1 Srd2 Srd3
- 120: Cln1 Gnt1 Hgnt2 Srd1 Srd2 Srd3
- 121:
- 122:
- 123: Pnt1 Pnt2 Trnbk1 Ugrns Ysa1
- 124: Asci Bax Cct2b Ed1 Me2b Nsn1 Pns2 Rnf7
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- 200: Cdk1 Cndt1 Spt1 Dyn2 Ippd2 Mch1 Nsp2 Rsn1t Shw1

V2a



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2: Ccnb1 Cdc20 Cdk1 Cenpf Hmgb2 Top2a

3: Apl1 Dhfr Fbxo5 Hells Rrm1 Topbp1 Tyms

4: Ascl1 Cdc25b Chd7 Cttnb1 Foxp1 Id1 Ifit7 Notch1 Pdpn Phgdh

5: Eif4g4 Rrs1 Tcf3

6: Eif4g4 Sap1a Swn1

7: Eif4g4 Eif2ab1b Hes5 Nes Nrarp Pallid Plagl1 Sox9

8: Eif4g4 Jun Metnr Nrp1 Qk Rdx Rfx4 Sfrp1 Sparc

9: Eif4g4 Lhx2 Lhx3 Lhx4 Lhx5 Lhx6 Lhx7 Lhx8 Lhx9

10: Eif4g4 Eb2 Mfng Neurog2 Nhlh1 Prox1 Tcf4

11: Eif4g4 Cond1 E211 Mdk Pax6 Sox2

12: Eif4g4 Hes6 Neurod4 Neurog1 Nkx6-1 Sstr2 Vsx1

13: Eif4g4 Hmst1 Tpm1

14: Anp32b Cspc2 Fam60a H2afy Hmgb1 Parp1

15: Erh Hnrnpab Hspe1 Ran Ranbp1

16: Iph

17: Ddx39b Hmg20b

18: Dtymk

19: Ezh2 Pak2

20: Bex1 Hif1a Txndc12

21: Aspm Elavl1 Lspsoa1 Pfn1 Prmt1 Sap30

22: Eif4g4 Eif2ab1b

23: Eif4g4 Cdc63

24: Eif4g4 Eif2ab1b Sfrp1

25: Ddx39b Hoxd4 Ms1 Ryk

26: Mbf1 Vets1

27: Eif4g4 Smap1

28: Rac1 Uhrf2

29: Bag1 Lsm1 Ptprf

30: Gpx1 Mch2 Psmd11

31: Atm4 Gatad2a

32: Ddx39c

33: Epha4

34: Erh Hax1

35: Eif4g4 Hmnp1 Srrt

36: Sfrp1

37: Eif4g4 Cog7 Csnk2b Ndufa4 Pum1

38: Acin1 Pin2 Slc12

39: Chl1 Dck1 Ephb1 Plpp1 Ptprd Soc2 Spock1

40: Klf4b3 Rac3 Stmn4 Stxbp1 Syt4 Uchl1

41: App Gap43 Gnao1 Gpm6a Ina Mapt Nrxn2 Ntn1 Olfr1 Rbfox1

42: Shap25 Stmn3 Trnk

43: Adgr1 Arid3 Eaf2457 Ndnv Nefl Nefm Reln Relb Relb1 Rhoq2 Svt1

44: Map2 Nnat Pfn2 Podxl3 Rab3a Rbfox2 Ruf3 Sox14 Thra Tubb2b

45: Tubb3

46: Cdk5r1 Cend1 Dpf1 Dynll2 Inpp5f Macf1 Nrp2 Runx1t1 Shank1

47: Basp1 E1d1 Evl Meis1 Meis2 Nrp Pbx1 Pbx3 Prrc2 Ywhag

48: Gbx2 Jcb2 Jsl2 Lbx3 Lhx4 Nhhl2 Nrn1 Vsx2

49: Ddx39b Lsh1 Shox2

50: Apc Ab201 Clock Hdgrfp3 Pak1 Rtn4 Wasf1

51: Gnah2a Camos2 Smarc2 Trib2

52: Smed1 Smad2 Smarc2

53: Smed1

54: 2900011Q08Rik Deraf1 Ift20 Kidins220 Nedd4l Pcdh17

55: Map2 Ndnf1

56: Dlx1 Gch1 Pafah1b3 Tmem108 Zfp503

57: Itgb5 Nuk4 Ptpk1 Rbp1 Srgap1

58: Elavl1 Hmgb1a Tum30

59: Elavl1 Tm7sf1005ys14 Vav3

60: Elavl2 Tm7sf1005ys14 Nav2 Scrt1 Scrt2 Sorbs2

61: Smpd3 Zlands

62: Abp1 Cfl1 Guas H3f3a Seleneok Stmn1

63: Chm1 Pkb8 Fscn1 Trappc4

64: Cox6b1 Hspb1 Ppdpf Svbp

65: Smed1

66: Pebp1 Ppia Tmsb4x Uqcrc1 Ybx1

67: Atp5j Bax Cox7b Edf1 Med28 Nme1 Prdx2 Rnf7

68: Crabbp2 Map2k2

69: Acpns1 Prrc2a

70: Eif4g4 Zeb1

71: Ccr4 Ccr5

72: Eif4g4 Jun Dnajc10 Prrc1 Smarc1

73: Aevy2 Biot Eif4a1 Lras

74: Bln450 Cdk1a Dnajc10 Dnajc11

75: Biot Eif4a1 Rbp10

76: Cdk1a Rbp10

77: Acpns1 Dnajc10 Sich1 Spsat

78: Rbp10 Rbp10a1

79: Ccr4 Ccr5

80: Ccr4 Ccr5

81: Ccr4 Ccr5

82: Ccr4 Ccr5

83: Klf1aaf1b1 Pitpna Suds3

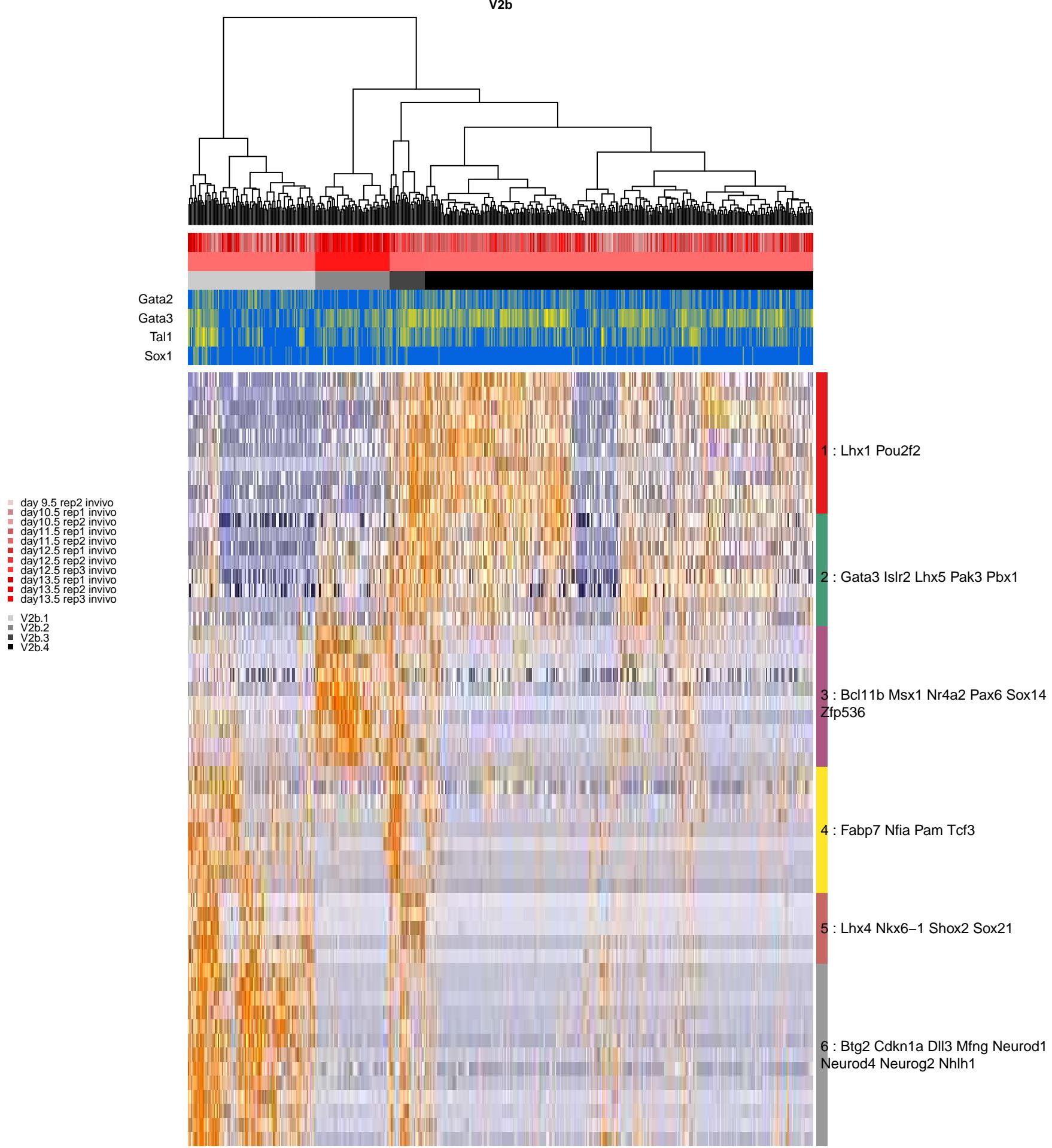
84: Apk2 Ap2a2 Lmo4 Pitpns

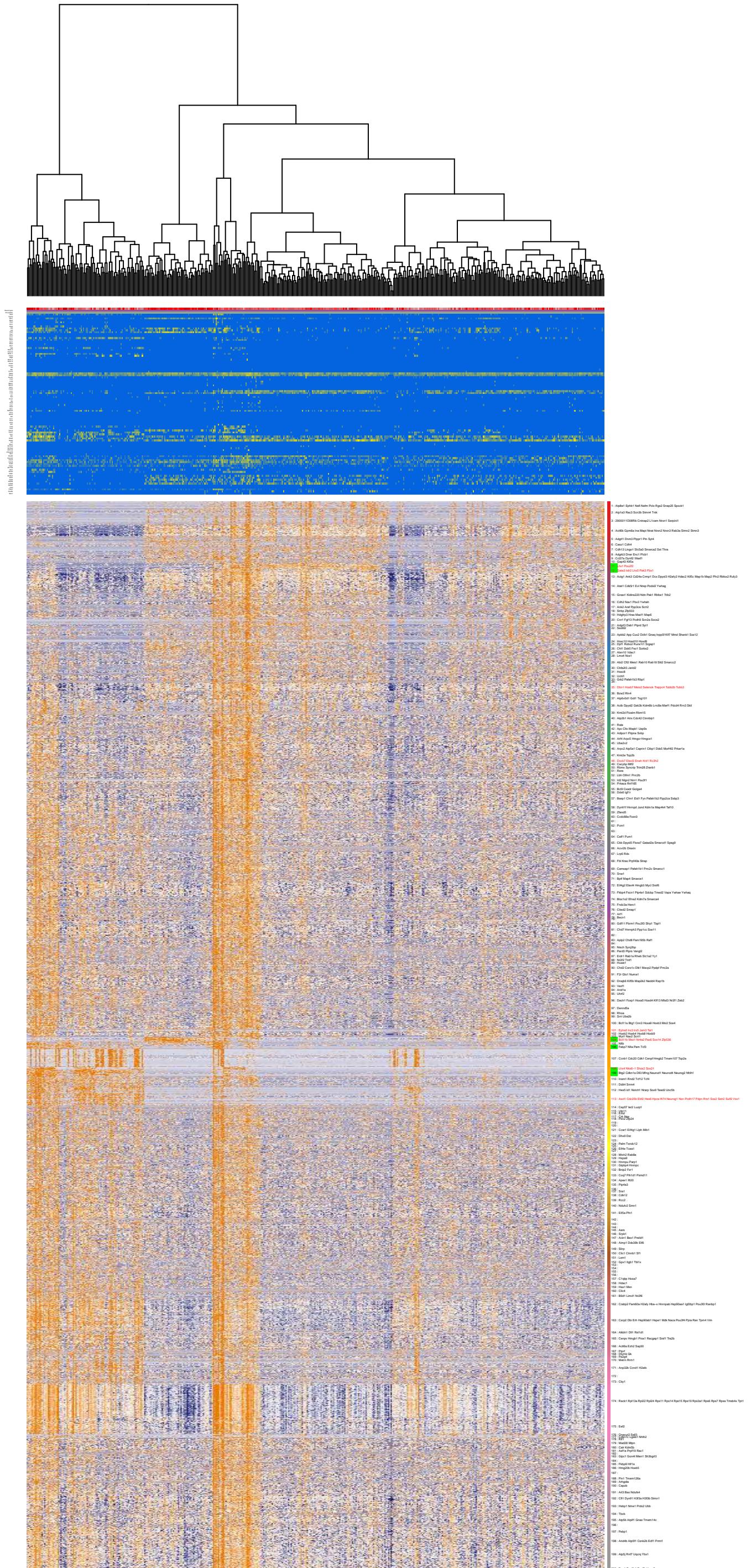
85: Arpc5 Enh Map4k4 Raf1 Smarca4 Sox11 Sox4 Spag9

86: Apk2 Bpyp3ca

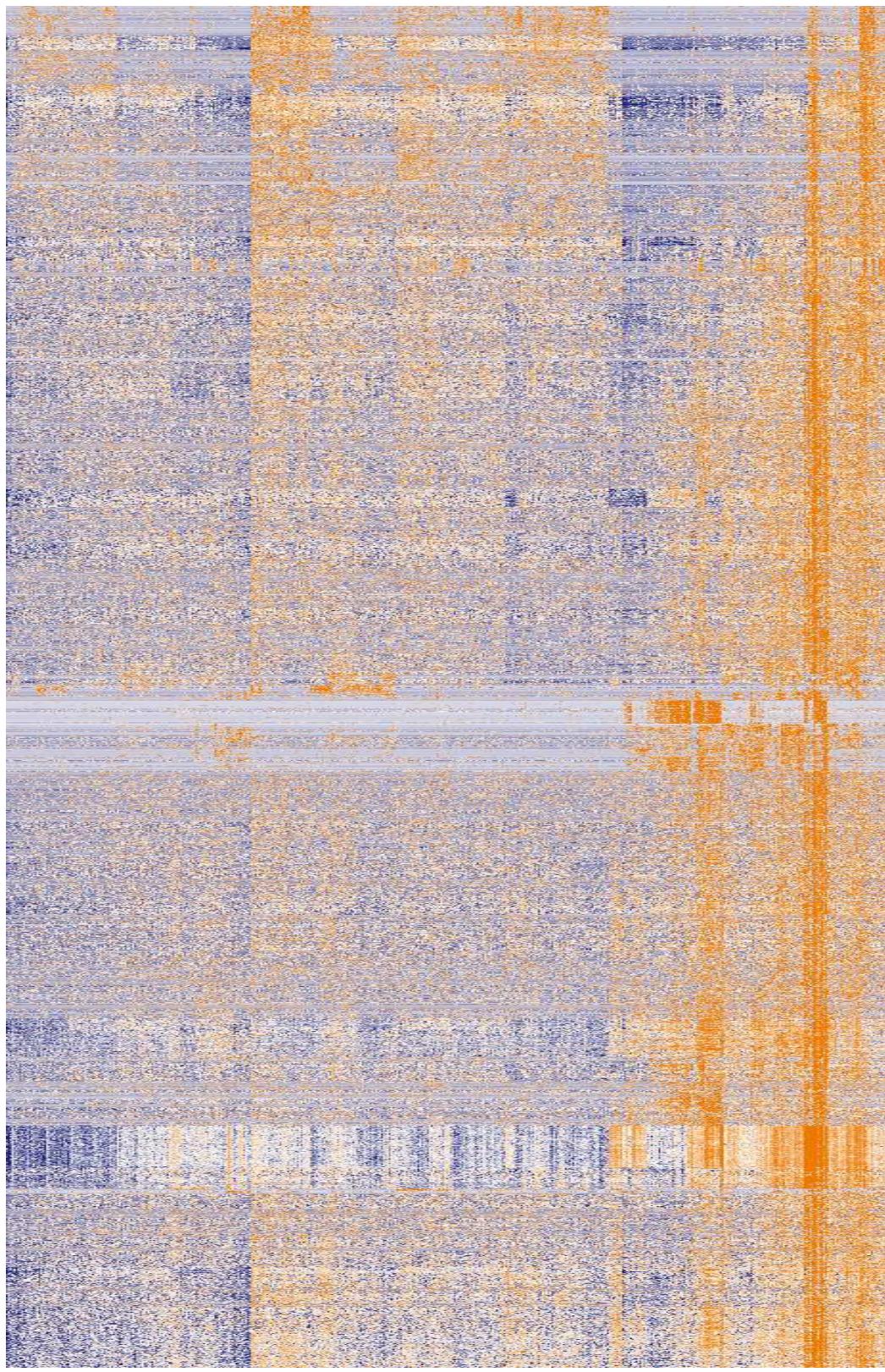
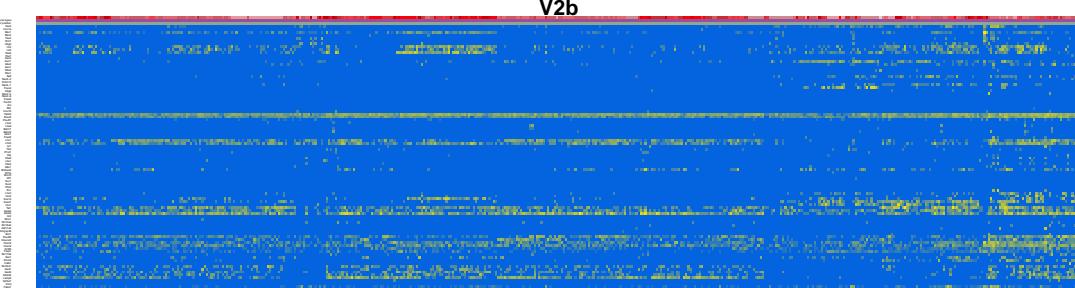
87: Eif4g4 Krt1 Rnf110

88: Atp1a2 Dnm1 Gp157

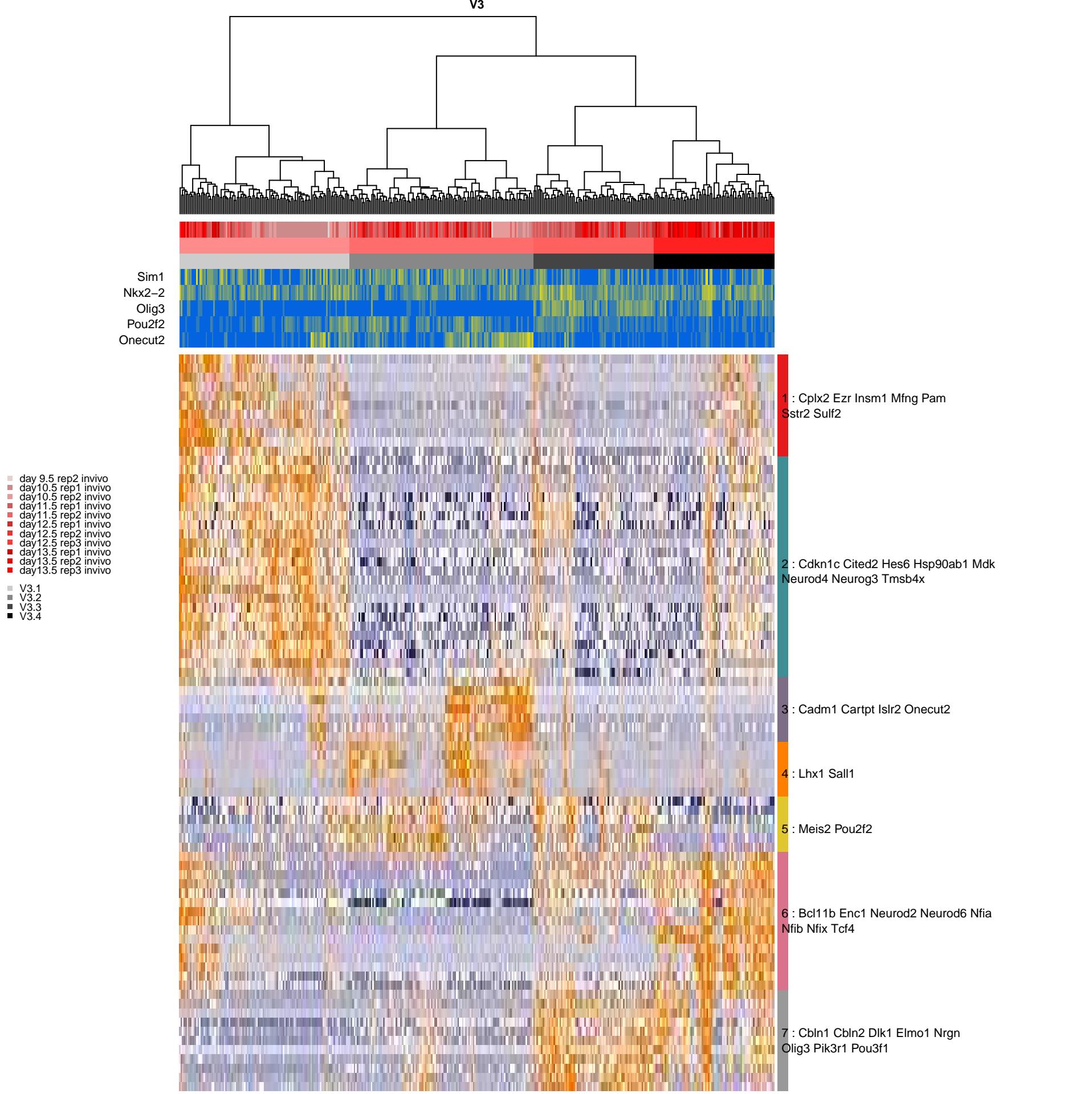


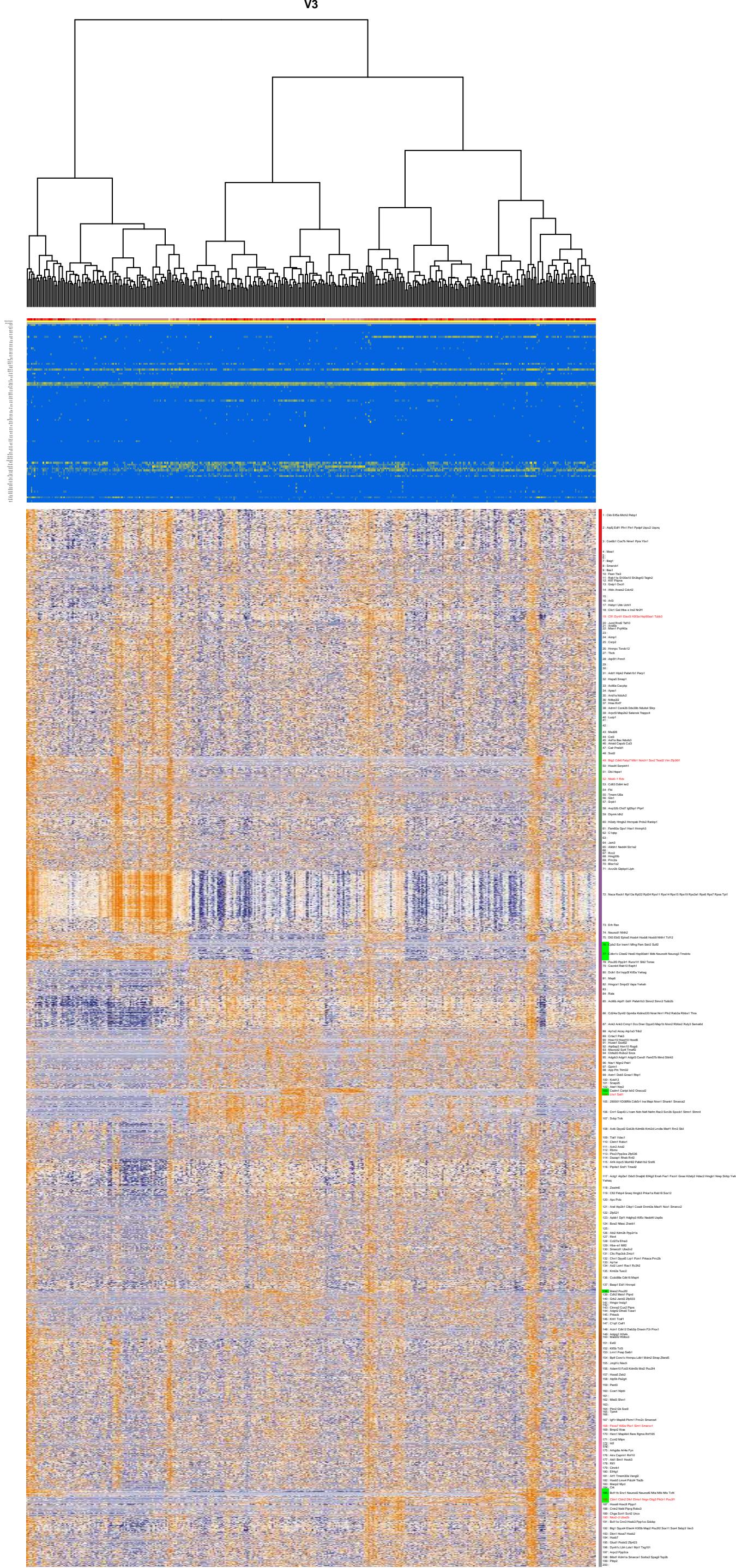


- day12.5 rep1 invivo
- day13.5 rep2 invivo
- day13.5 rep3 invivo
- day12.5 rep3 invivo
- day13.5 rep1 invivo
- day11.5 rep1 invivo
- day12.5 rep2 invivo
- day11.5 rep2 invivo
- day10.5 rep2 invivo
- day10.5 rep1 invivo
- day9.5 rep2 invivo

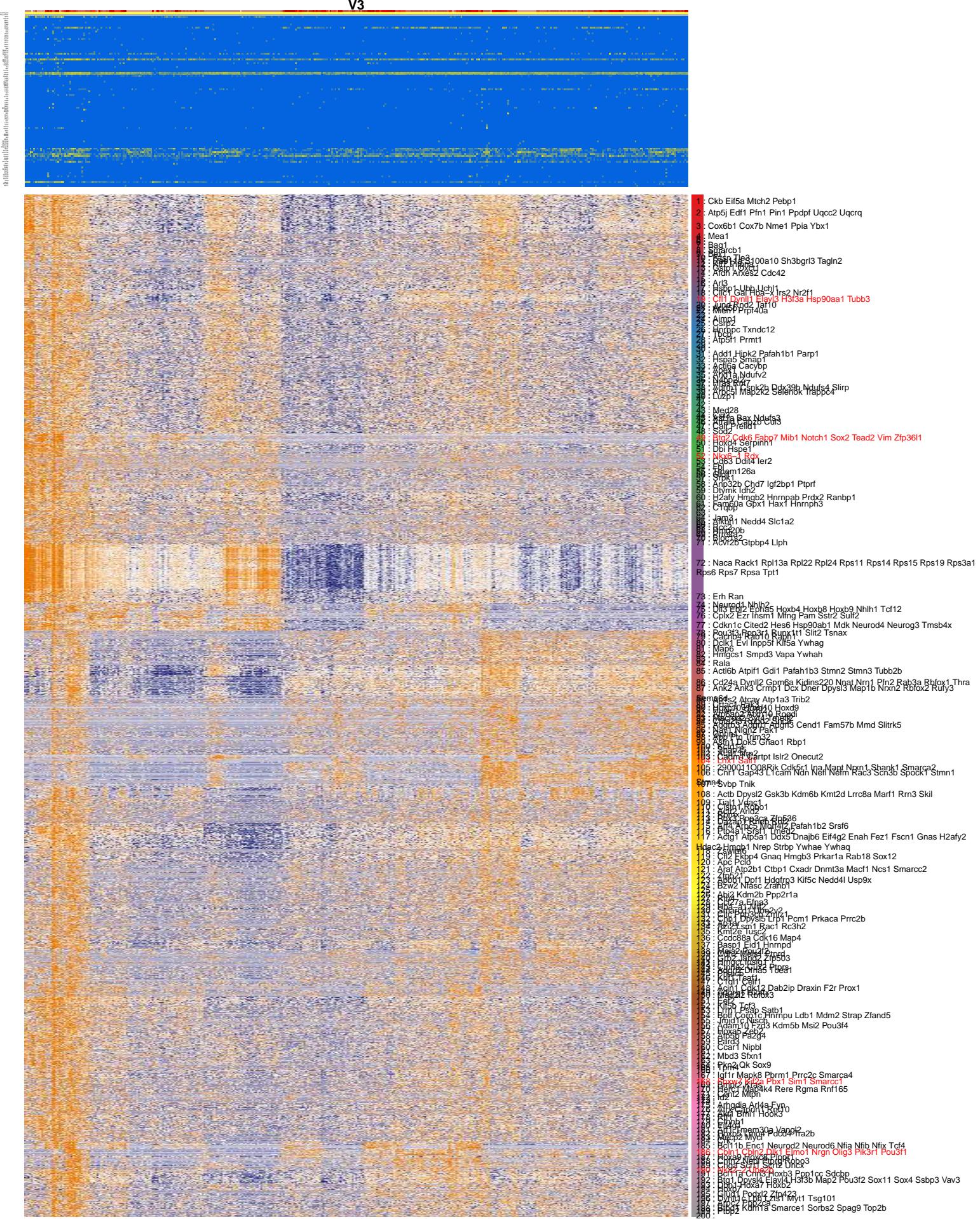


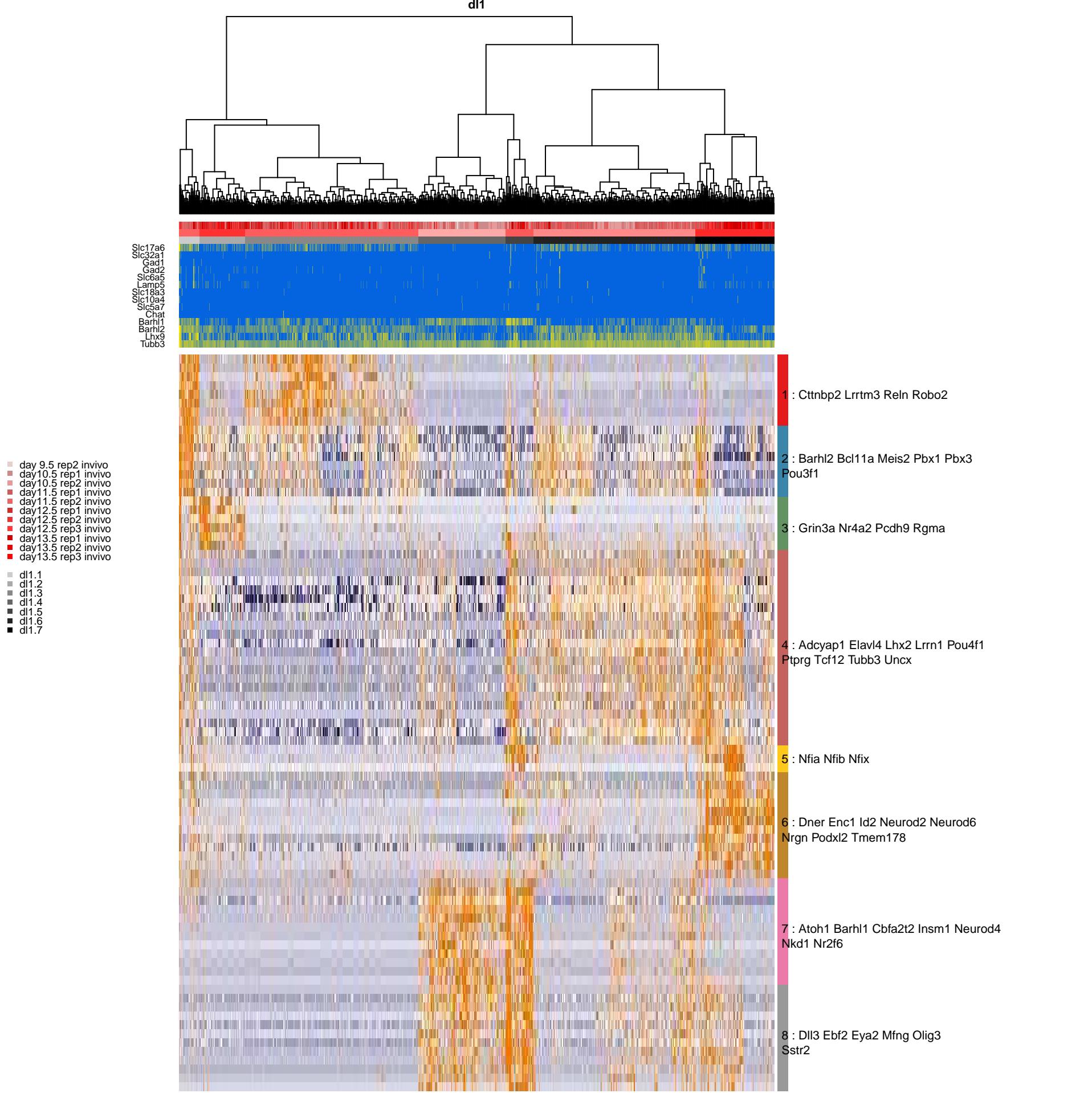
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 2 : Atb1a3 Rac3 Sch3b Stmn1 Tnk1
 3 : 290001_U00861k Ctnnab2 L1cam Nrxn1 Serpin1
 4 : Actibb Gpm6a Ina Mapt Nnat Nrxn2 Nrxn3 Rab3a Stmn2 Stmn3
 5 : Agap1 Cnn3 Pppr1 Pin Syt4
 6 : Cnn3b Dnm1 L-Stc5b Smaca2 Sst Thra
 7 : Cnn3b Dnm1 Wash1
 8 : Cnn3b Dnm1 Wash1
 9 : Cnn3b Dnm1 Wash1
 10 : Cnn3b Dnm1 Wash1
 11 : **Atf3 Atm2 Ctn2 Ctcf Fnk1 Dcx Dpsl3 H2afy2 Hdac2 Kif5c Map1b**
 12 : Map2 Pfn2 Sbp6x2 Rvlyve Podl2 Yvhag
 13 : Grnd2 Kntd1220 Nek Pak1 Rblox1 Trib2
 14 : Grnd2 Kntd1220 Nek Pak1 Rblox1 Trib2
 15 : Rblox1 Trib2
 16 : Grnd2 Kntd1220 Nek Pak1 Rblox1 Trib2
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 107 : Comb1 Cdc20 Cdk1 Cenpt Hmggb2 Tmem107 Top2a
 108 : **Lhx1 Nkx1 Shp1 Sox2**
 109 : Btg2 Cdk11a Cdk11b Neurod1 Neurod4 Neurog4 Nhlh1
 110 : Rsm1 Cdk11a Cdk11b Neurod1 Neurod4 Neurog4 Nhlh1
 111 : Ress Dlx1 Nkx2.5 Nkx6.1 Npcam174 Neurog1 NxN Pcdh17 Pdpn
 112 : Ress Dlx1 Nkx2.5 Nkx6.1 Npcam174 Neurog1 NxN Pcdh17 Pdpn
 113 : **Prl1 Sox2 Snt2 Snt2 Vsx1**
 114 : **PRK2 Zfp24**
 115 : **PRK2 Zfp24**
 116 : Ccar1 Eif4g1 Liph Mib1
 117 : Dnx5 Dst
 118 : Eam1 Lmdc12
 119 : Mcrb2 Rab5a
 120 : Gbrpb Fip11
 121 : P007 Fip11 Psmd11
 122 : Pmd120
 123 : Snt2
 124 : Notu2 Smn1
 125 : Eif5a Pfn1
 126 : Aars1
 127 : Adm1 Bcr1 Prsl1d1
 128 : Slc19a1 Daxx20l Ftf6
 129 : Ctnnb1 Stf1
 130 : Spx1 Igfb1 Tbl1x
 131 : C13bb Hoxa7
 132 : H2afy Msn
 133 : B301 Limd1 Nr2f6
 134 : Crabp2 Fam60a H2afy Hba-x Hnrnpab Hsp90aa1 Igf2bp1 Pou3f2 Ranbp1
 135 : Crsp2 Obi Erh Hsp90ab1 Hsp1 Mdk Naca Pou3f4 Ppia Ran
 136 : Tom4 Vim
 137 : Alkbh1 Dll1 Rsl1d1
 138 : Cebpd Hmggb1 Prox1 Racgap1 Srsf1 Tra2b
 139 : Bokta Ezh2 Sap30
 140 : Mef2c Rrm1
 141 : Anp32b Ccdn1 H2afy
 142 : Cby1
 143 : Rack1 Rpl13a Rpl22 Rpl24 Rps11 Rps14 Rps15 Rps19 Rps3a1 Rps6
 144 : Rps7 Rpsa Tmsb4x Tpt1
 145 : Eef2
 146 : Qserp1 Sall3 Nhlh2
 147 : Msx2 Dmbb
 148 : Asf1a Prr5b Prc1
 149 : Ctnnb1 Sh3bgr13
 150 : Fkhbs1 H11bx5
 151 : Rnf116 hem126a
 152 : Atp2a2 Ndufs4
 153 : Cht1 Dvn1 H3f3a H3f3b Stmn1
 154 : Hspb1 Nme1 Prdx2 Ubb
 155 : Atp5b Atp1f1 Gnas Tmem14c
 156 : Pebp1
 157 : And4b Atp5f1 Csnk2b Edf1 Prmt1
 158 : Atp5i Cox6b1 Cox7b Uqcoc2
 159 : Bag1 Cox6b1 Cox7b Uqcoc2

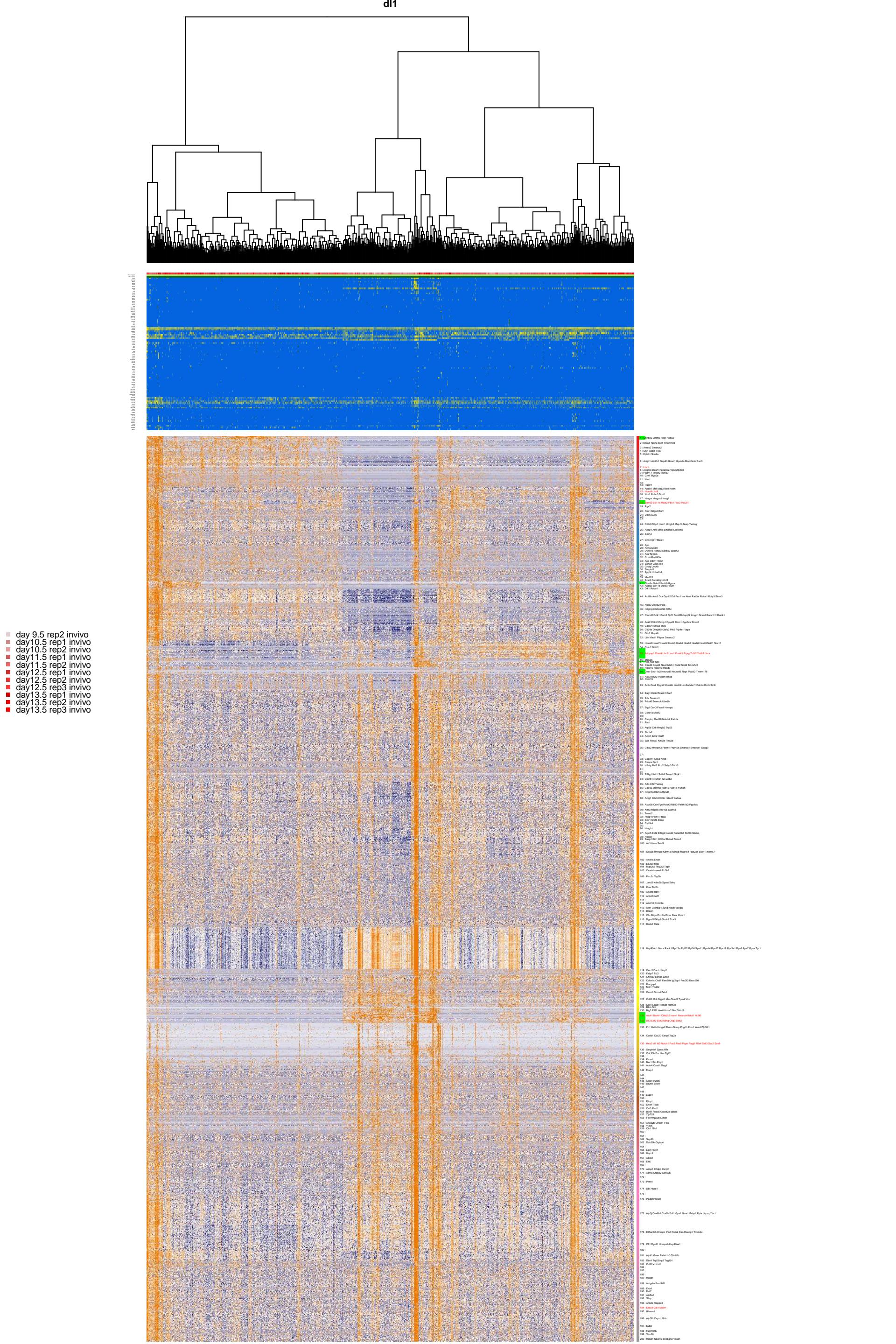




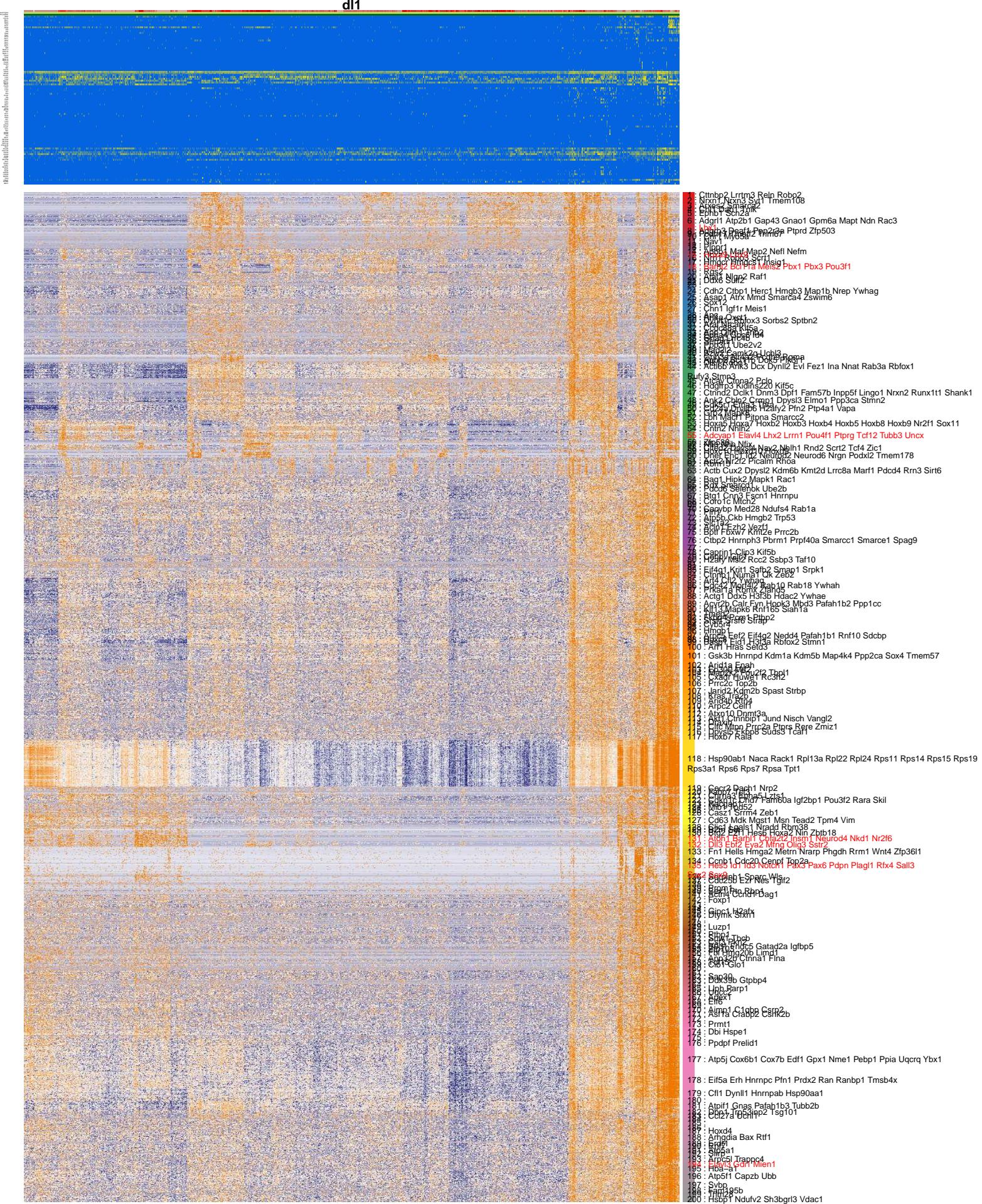
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- day 9.5 rep2 invivo
- day11.5 rep1 invivo
- day10.5 rep2 invivo
- day13.5 rep3 invivo
- day13.5 rep1 invivo
- day12.5 rep1 invivo
- day12.5 rep3 invivo
- day11.5 rep2 invivo
- day13.5 rep2 invivo
- day12.5 rep2 invivo

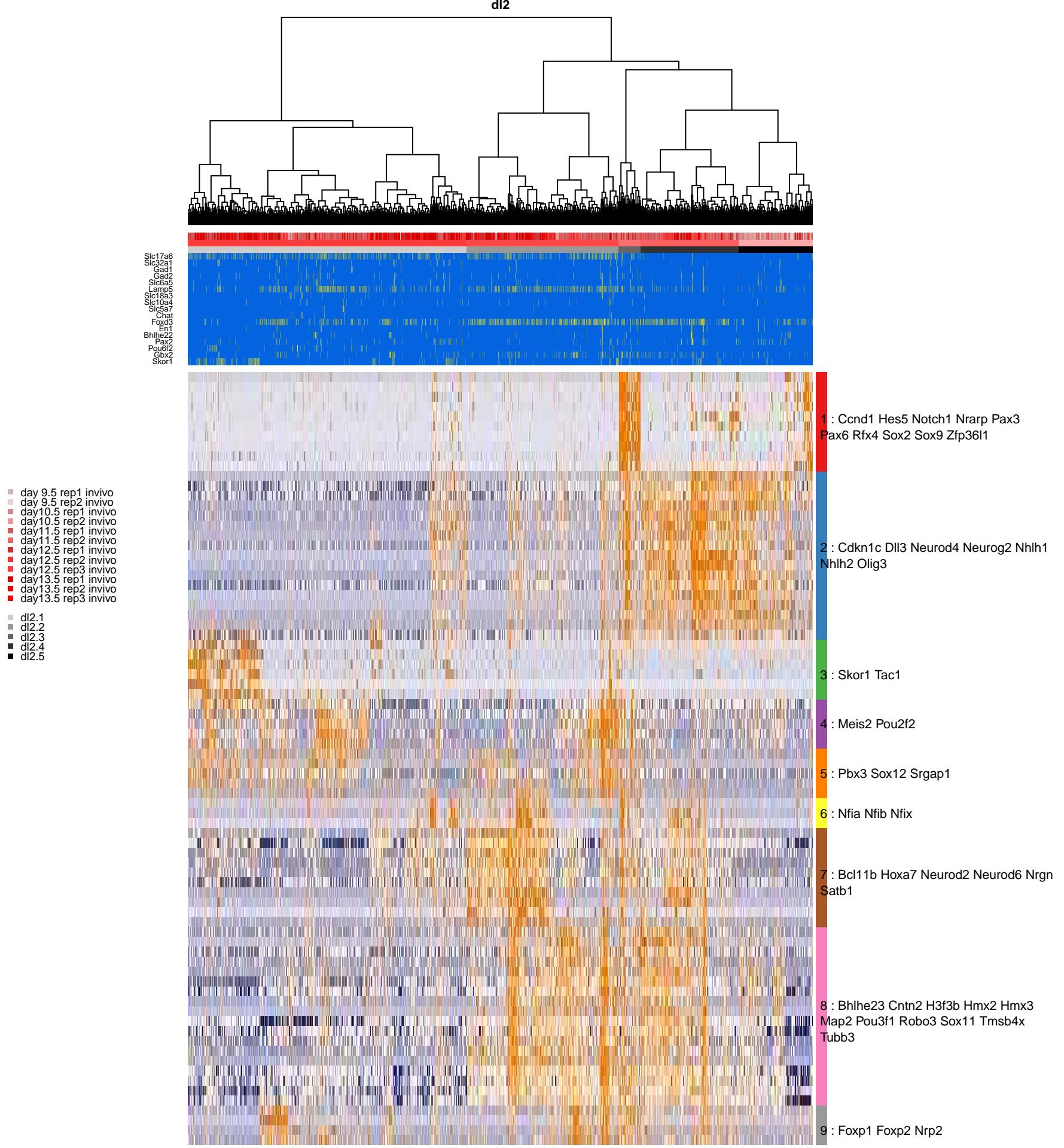


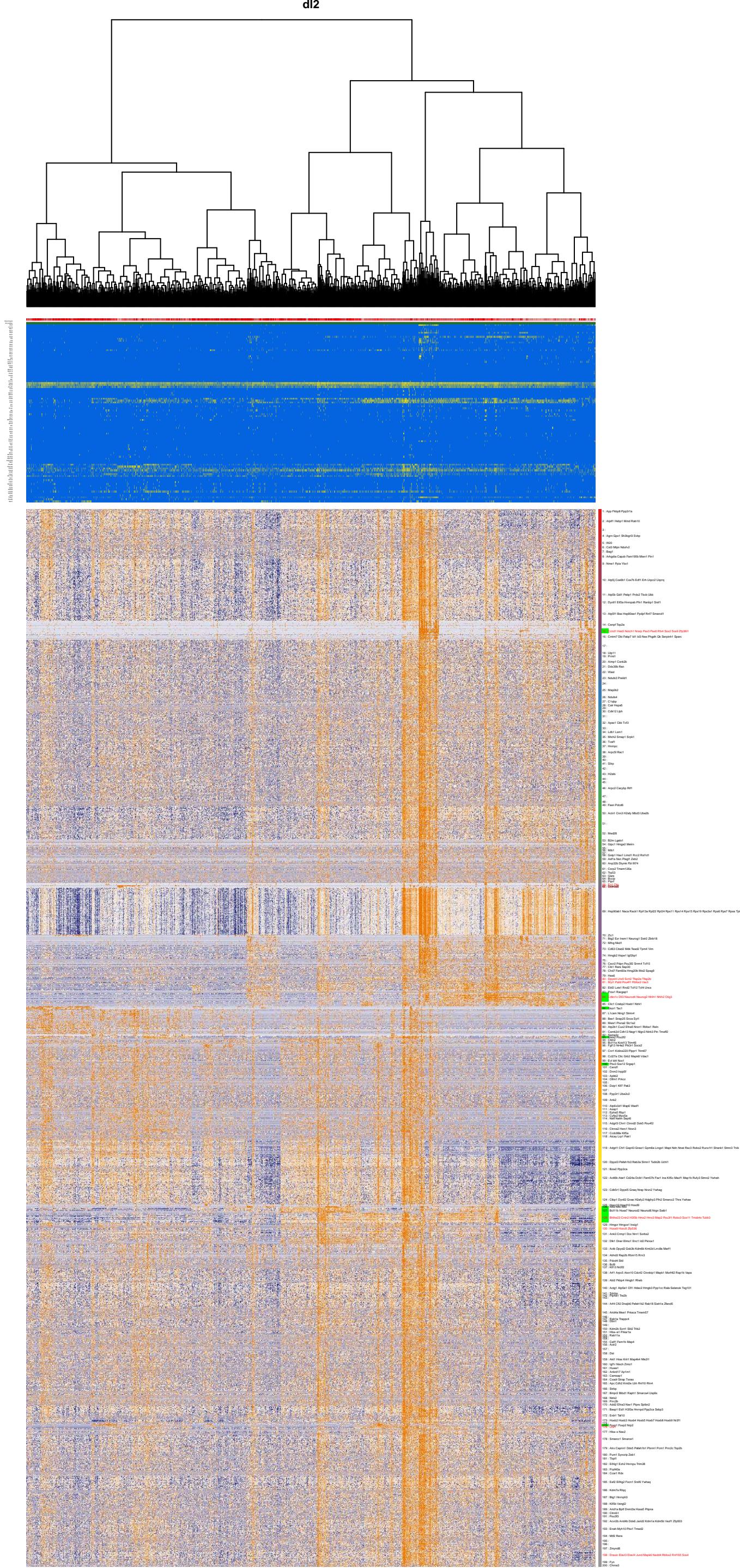




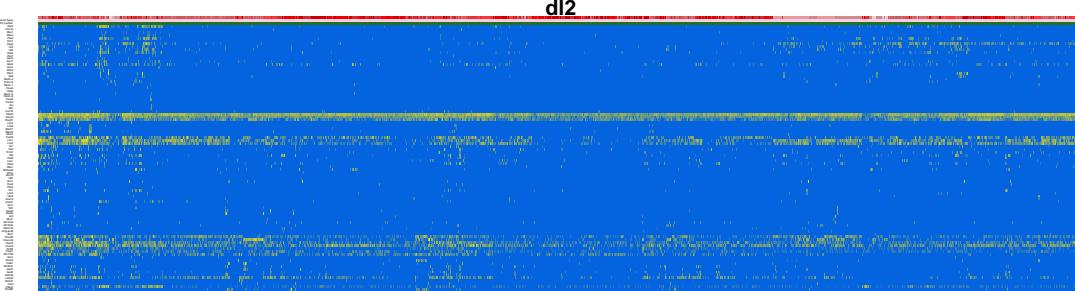
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- day 9.5 rep2 invivo
- day12.5 rep2 invivo
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- day11.5 rep1 invivo
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- day10.5 rep2 invivo
- day13.5 rep1 invivo
- day13.5 rep2 invivo
- day13.5 rep3 invivo





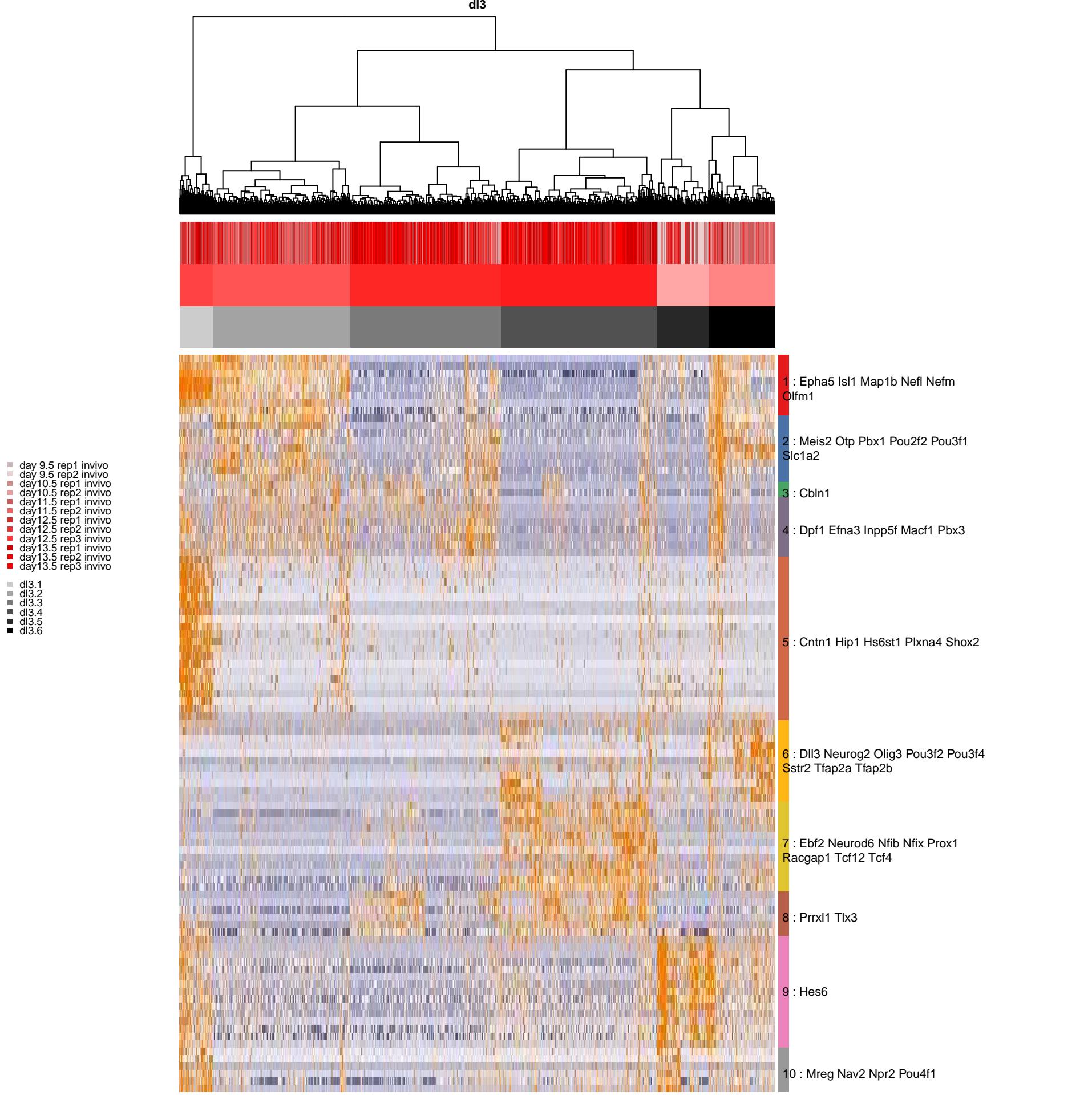


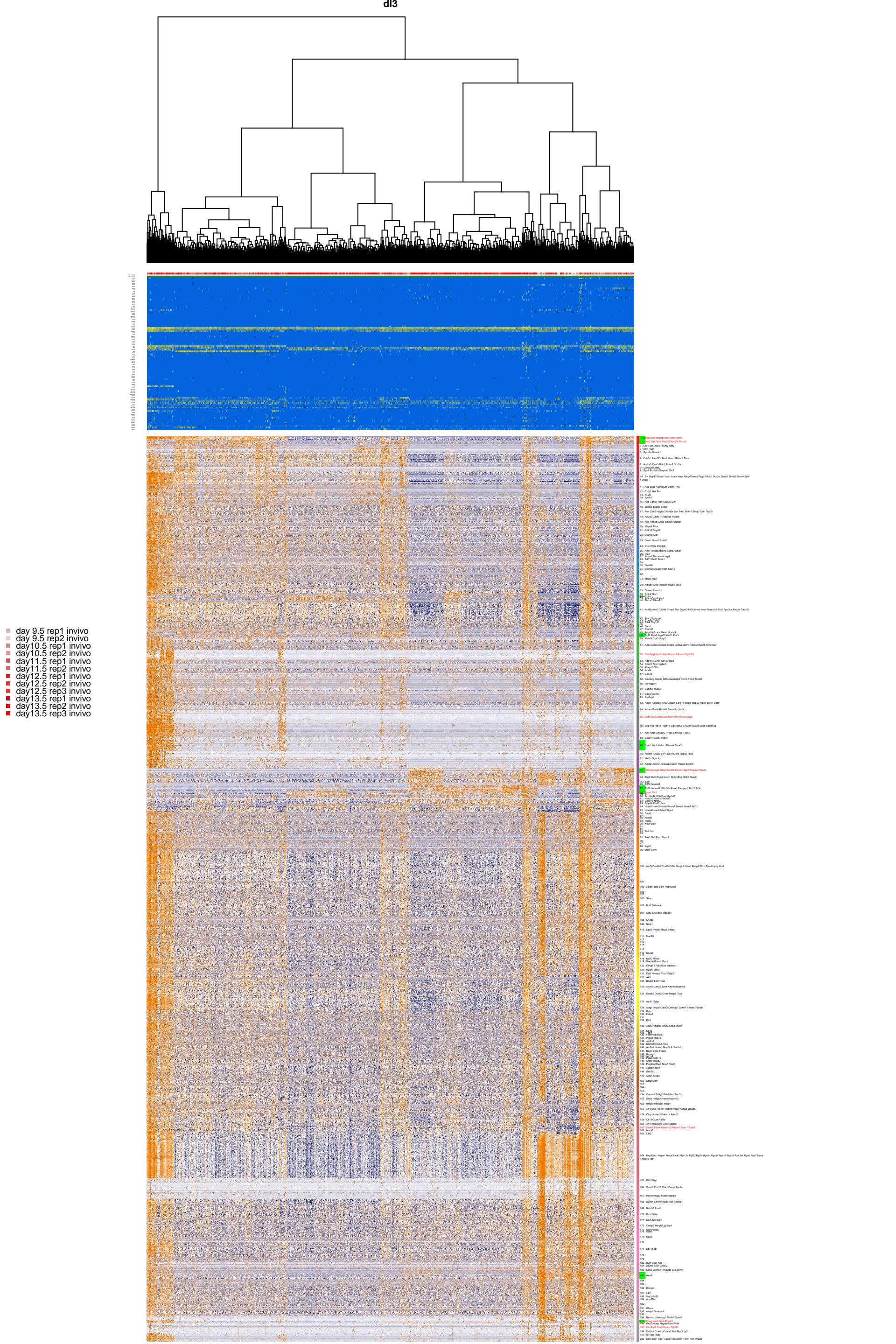
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- day12.5 rep2 invivo
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- day9.5 rep1 invivo
- day13.5 rep3 invivo

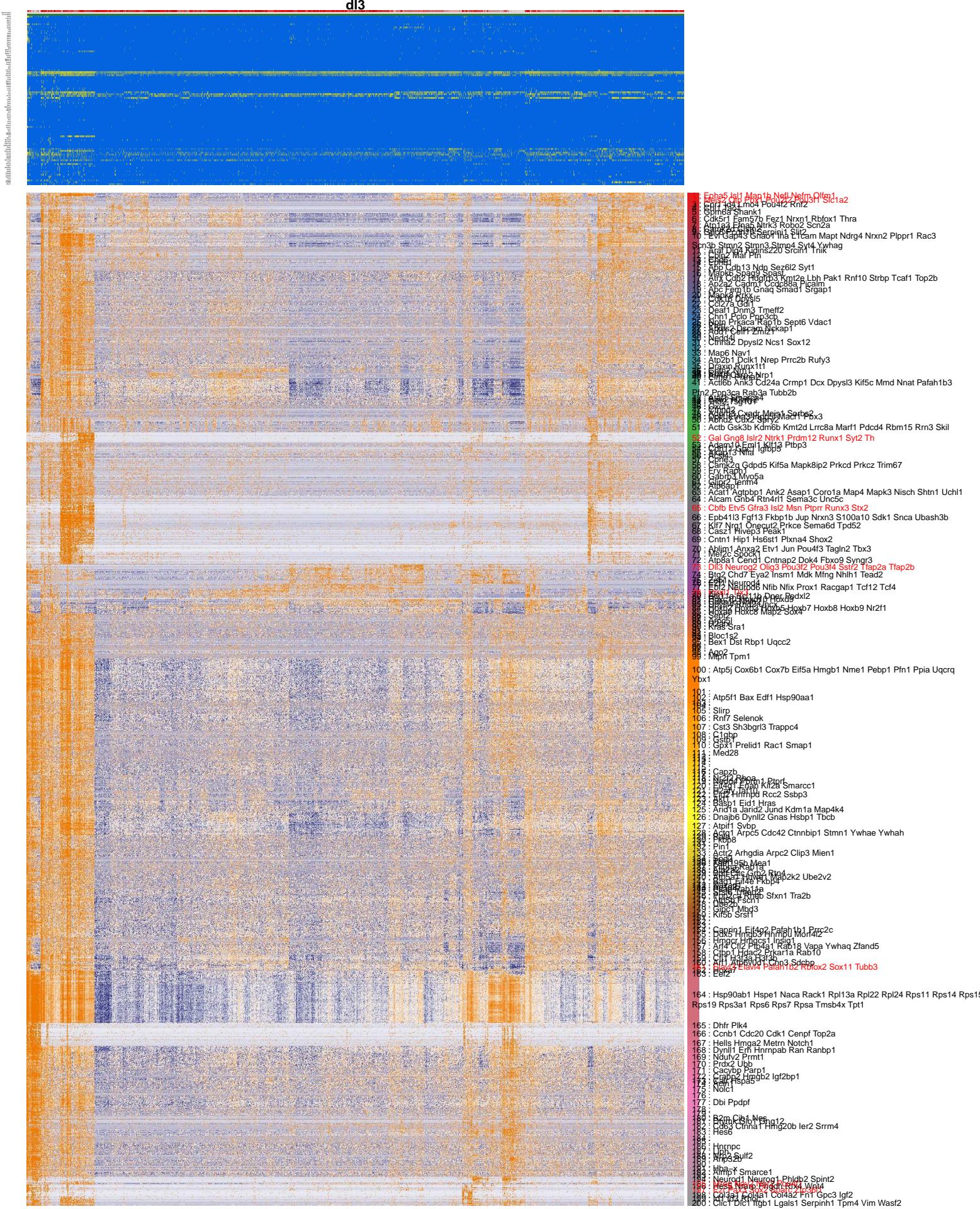


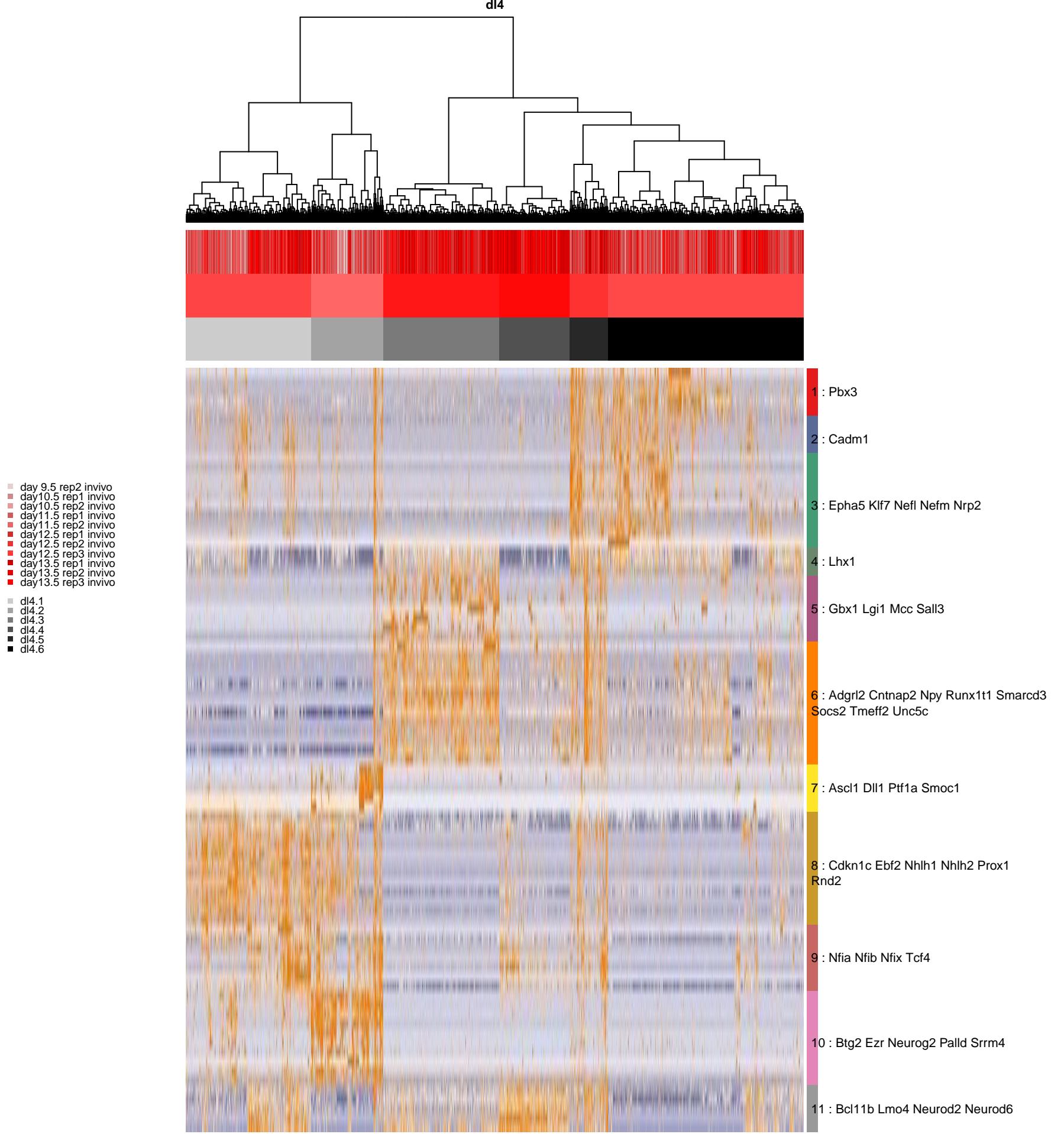
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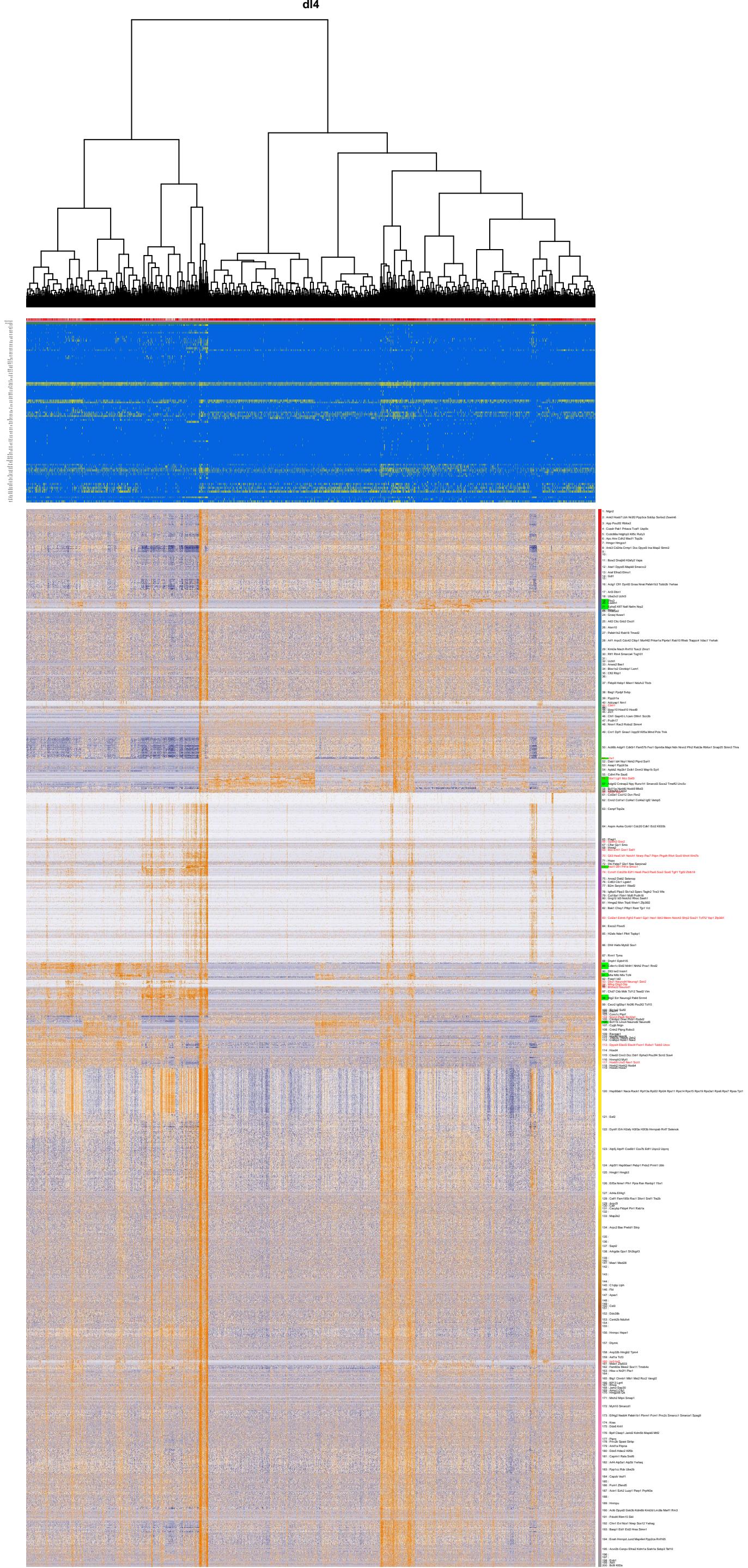
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4:	H2afy2 Mtprn Ndufv2
5:	Ahnida Capzb Fam195b Mien1 Pin1
6:	Nnef1 Ppia Ybx1
7:	Atp5b Cox6b1 Cox7b Edf1 Erh Uqcrc2 Uqcrcq
8:	Atp5b Gd1 Pebp1 Prdx2 Tbcb Ubb
9:	Dynlh1 Elif3 Hnrnpab Pm1 Ranbp1 Srsf1
10:	Atp5f1 Bax Hsp90aa1 Ppdpf Rnf7 Smardc1
11:	Cenpf Top2a
12:	Ccm7 Dbi Fabp7 Id1 Id3 Nes Phgdh Qk Serpin1 Sparc
13:	Ccm7 Dbi Fabp7 Id1 Id3 Nes Phgdh Qk Serpin1 Sparc
14:	Ccm7 Dbi Fabp7 Id1 Id3 Nes Phgdh Qk Serpin1 Sparc
15:	Ccd1 Hes5 Notch1 Nrarp Pax3 Pax6 Rx4 Sox2 Sox9 Zfp36l1
16:	Ccm7 Dbi Fabp7 Id1 Id3 Nes Phgdh Qk Serpin1 Sparc
17:	Cln11
18:	Almp1 Csnk2b
19:	Dpx39b Ran
20:	Ndufs3 Prelid1
21:	Map2k2
22:	Ndufs4
23:	Cdk11xpsa5
24:	Cok12 Liph
25:	Apex1 Ckb Tcf3
26:	Lipb1 Smad1 Srpk1
27:	Hmgb2 Rac1
28:	Arpc5 Trac1
29:	Sirp
30:	H2afx
31:	Arpc2 Cacybp Rtf1
32:	Fasn Pdcdd6
33:	Acin1 Crnn3 H2afy1 Mbd3 Ube2b
34:	Med28
35:	B2ap1 Pim2a2 Metrn
36:	Mbf1 Hax1 Jmd1 Rcs2 Rsl1d1
37:	Arpc2 Dpdk1 Hmgb2 Ifit4
38:	Esrf4 Timm12a
39:	B2ap1
40:	Arpc2a2
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42:	Zicb Egr1 Jpnsm1 Neurog1 Str2 Zbtb18
43:	Dmg1 Nek2a2 Mdk Tead2 Tpm4 Vim
44:	Hmgb2 Hspe1 Igf2bp1
45:	Ced2 Ppdpb Polk2 Srrm4 Tcf15
46:	Sht7 Parmoda Hmg20b Ms12 Spag9
47:	Dpdk1 Rps12a Sirt1 Rps22a Vapb2b
48:	Bix1 Rsf1 Rnd2 Tcf12 Tcf4 Uncx
49:	Cdk11c Dlb Neurod4 Neurog2 Nhlh1 Nhlh2 Olig3
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51:	Serpin4a1a Sinc1 Svt1
52:	Arpc2 Dpdk1 Rnxa1 Rbfox1 Reln
53:	Serpin4a1b Negr1 Ngn3 Ntrk3 Pln Tmeff2
54:	Bmt1 Nek2a2 Pim1 Socs2
55:	Cnd1 Ngn2a2 Pim1 Tmef67
56:	Ercc1 S65p12 Srgap1
57:	Dmip3 Ipp5f
58:	Otmpr Prc2
59:	Pcp11a Pak3
60:	Pcp11a Ube2v2
61:	Arh20d1 Map6 Wasf1
62:	Griffithmissa16
63:	Arpc2a2 Hmgb2 Dok5 Pou4f2
64:	Arpc2a2 Hmgb2 Nrxn3
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67:	Dpys3 Pafah1b3 Rab3a Stmn1 Tubb2b Uchl1
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70:	Cib1 Dpys12 Gnas H2afy2 Hdgrf3 Pfn2 Smarcc2 Thra Ywhag
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74:	Ab12 Fkbp4 Hmgb1 Rheb
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76:	Pipan1 Arpc2a2
77:	Arf4 C12 Dnajb6 Pafah1b2 Rab18 Siah1a Zfand5
78:	Arf4a Meaf1 Prkaca Tmem57
79:	Reh12 Trappc4
80:	Kdm2b Sscr1 Slt2 Trib2
81:	Rbp7t2 Pkka1a
82:	Arf12 Fem1b Map4
83:	Ds1 Hras Krt1 Map4k4 Nfe2l1
84:	Qntcnsch Zmiz2
85:	Arpc2a2 Ap1m1
86:	Arpc2a2 Cnd1 Hmgb2 Hmgb3 Rln4
87:	Sht7 Btbd1 Raph1 Smarca4 Usp9x
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89:	Basa1 E1f4g2 Hmgb2 Hoxb5 Hoxb7 Hoxb8 Hoxb9 Nr2f1
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92:	Smarcc1 Smarcc1
93:	Atx Caprin1 Ddx5 Pafah1b1 Pbrm1 Pcm1 Prrc2c Top2b
94:	Pip1 Syncrip Zeb1
95:	Eif4a Ezdh Hnrnpa0 Trim28
96:	Cear Pdx
97:	Eef2 Eif4g2 Fscn1 Srsf6 Ywhaq
98:	Kom1a Rbp1
99:	Pip1 Hand1
100:	Gutta Bptf Dnm3ta Hoxa5 Pitpna
101:	Asyv2b Arid4b Ddx6 Jarid2 Kdm1a Kdm5b Vesf1 Zfp503
102:	Enah Myh10 Pbx1 Tmed2
103:	Mit2 Reire
104:	Zmynd8
105:	Draxin Elavl3 Elavl4 Jund Mapk6 Nedd4 Rbfox2 Rnf165 Sox4
106:	Cfma3



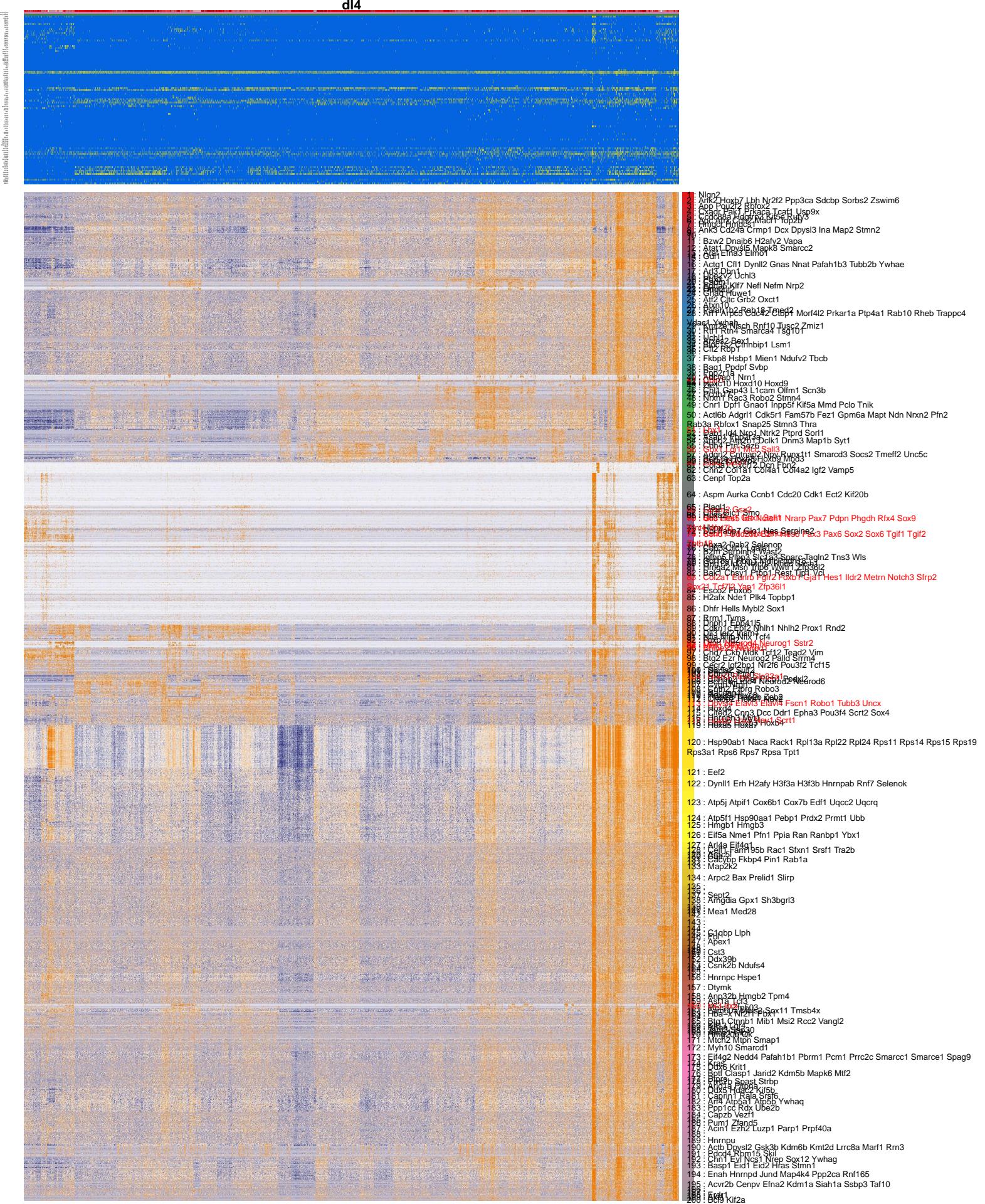


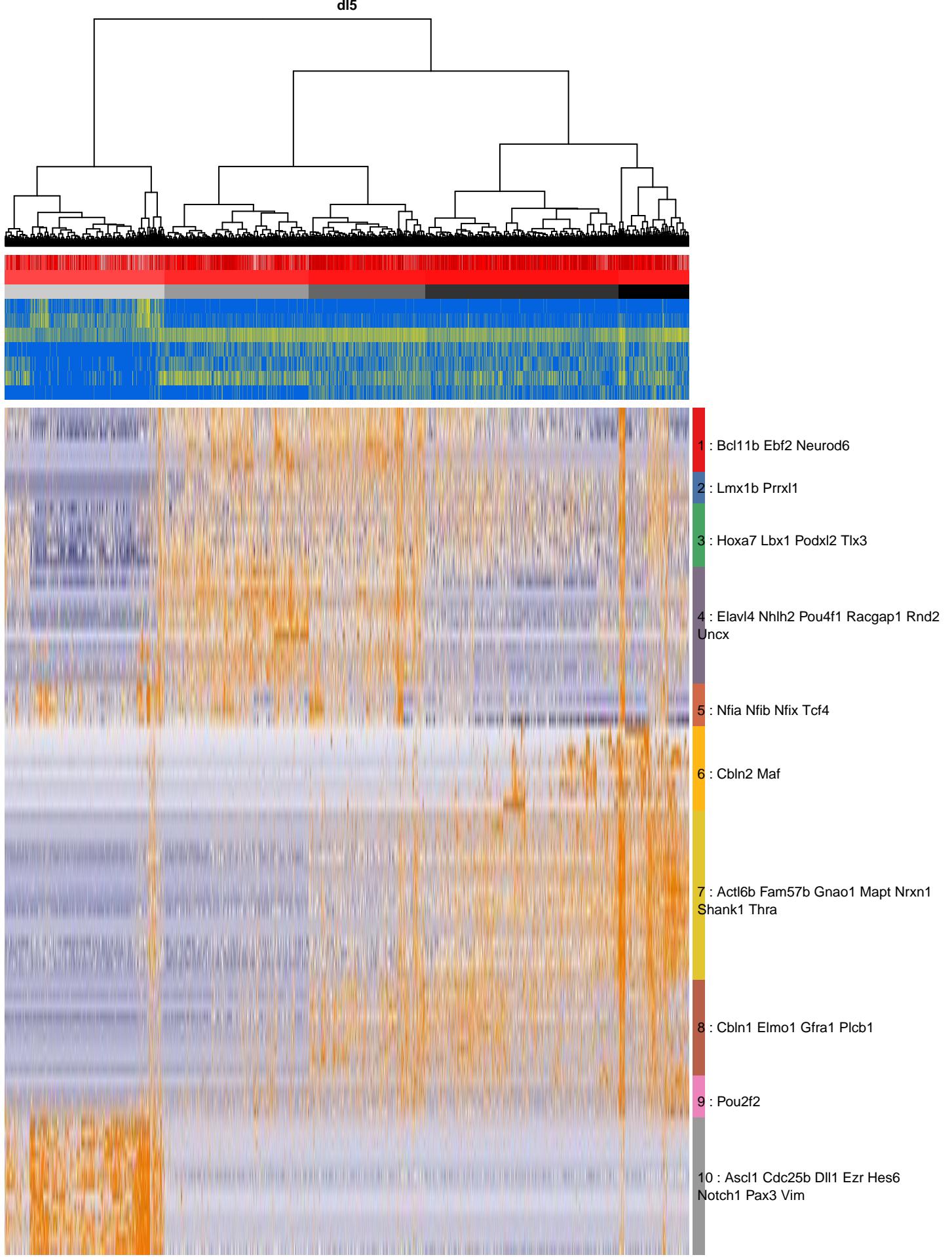


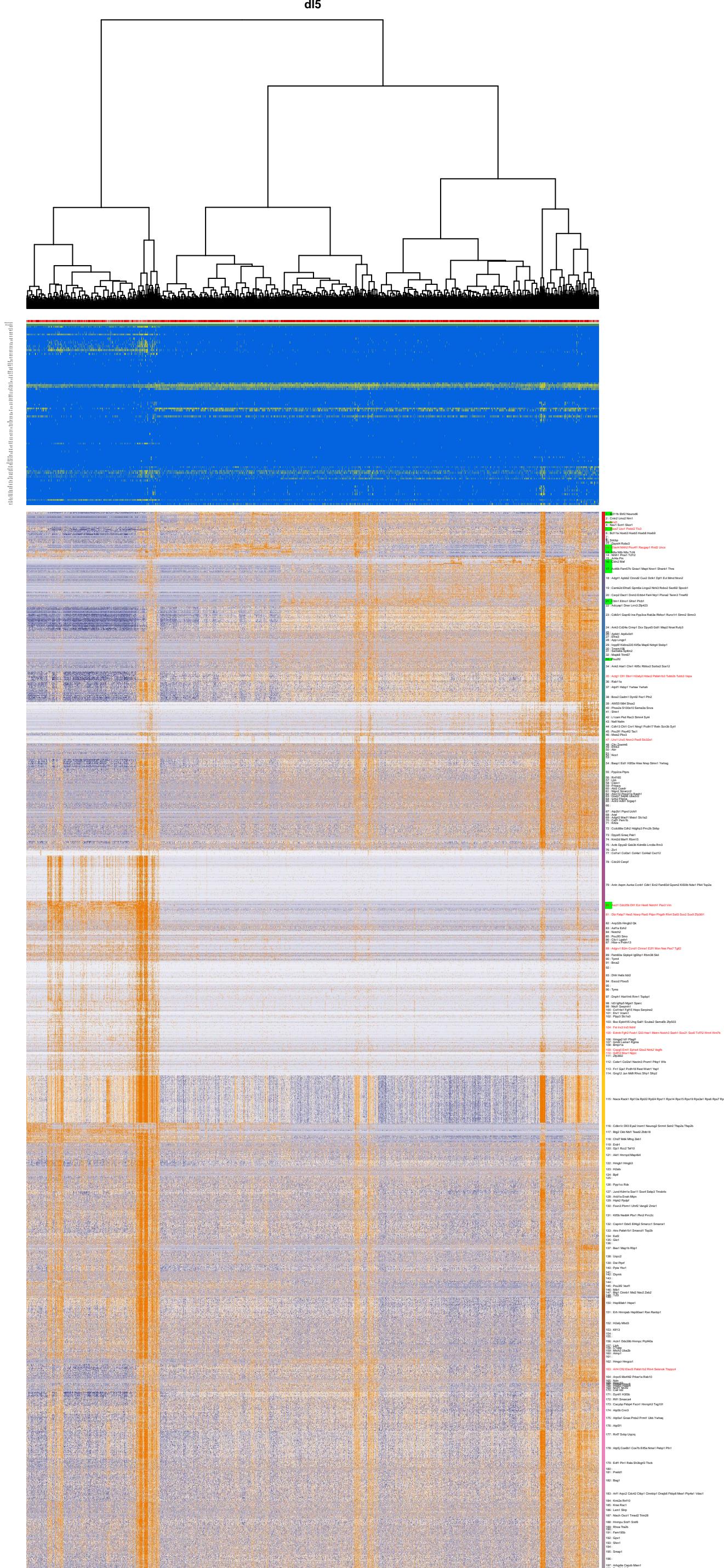




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- day 9.5 rep1 invivo
- day10.5 rep2 invivo

