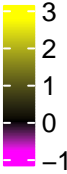
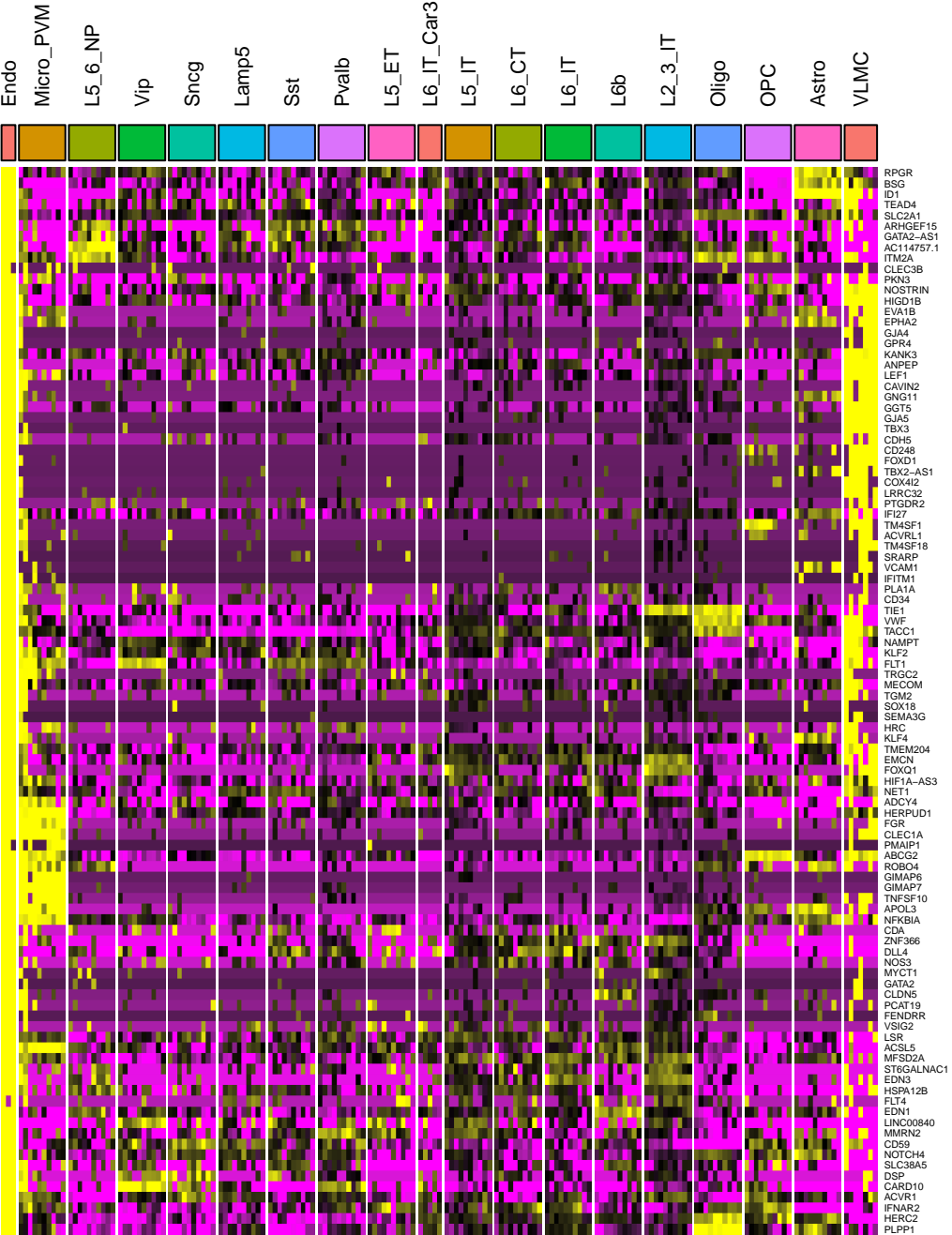


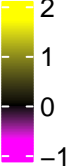
Top 100 Markers Astro



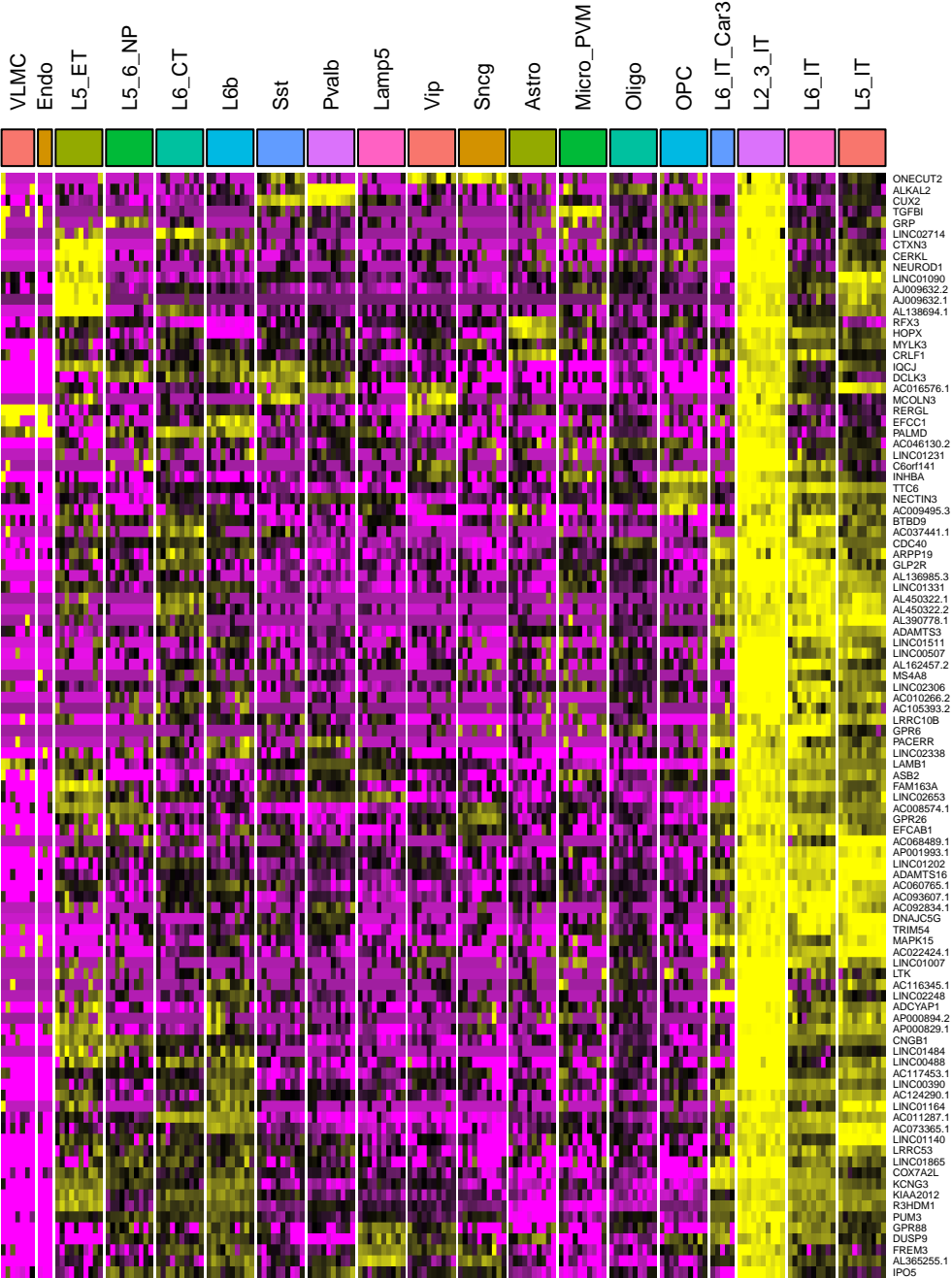
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- PLA2G5
- AHCYL2
- PLOG1
- MAGF1
- GLUD1
- GFAP
- MT1G
- ITGB4
- AL121827.2
- FGRF3
- PRDM16-DT
- SLC7A10
- LINC01532
- PPP1A1
- OB11-AS1
- ETNPPL
- MLC1
- SLC25A18
- LINC01727
- LINC00391
- AL122058.1
- ANGPTL4
- LINC00499
- AHCYL1
- PRSS35
- TNC
- GLI1
- APLNR
- LINC01354
- CYP4F11
- ALD31056.1
- TMFRSS3
- AC109439.2
- LINC01819
- SLC14A1
- ENTDP2
- VAC14-AS1
- SLC13A5
- RLBP1
- TLCD1
- GPT
- AC097658.2
- LINC02123
- CJB6
- MT1H
- SLC39A12
- PLIN4
- CCDC163
- AL121956.4
- CYP11A1
- ID4
- IGFN1
- GRIN2C
- RANBP3L
- GLI3
- NFATC4
- CD38
- EMX2OS
- MRV1
- PAPLN
- LFNG
- GJA1
- SDC4
- LAMA1
- PYGM
- BMPR1B
- P2RY1
- PRODH
- PRDM16
- EMX2
- ZIC5
- AC245519.1
- HKDC1
- TFAP2C
- LINC01633
- PHYHD1
- AL445426.1
- PPP1R3C
- AC073941.1
- ACBD7
- NTSR2
- PANG
- SAMD11
- ADPGK-AS1
- LPAR3
- SDS
- AL365916.2
- AL109741.1
- S1PR1
- CLU



Top 100 Markers Endo



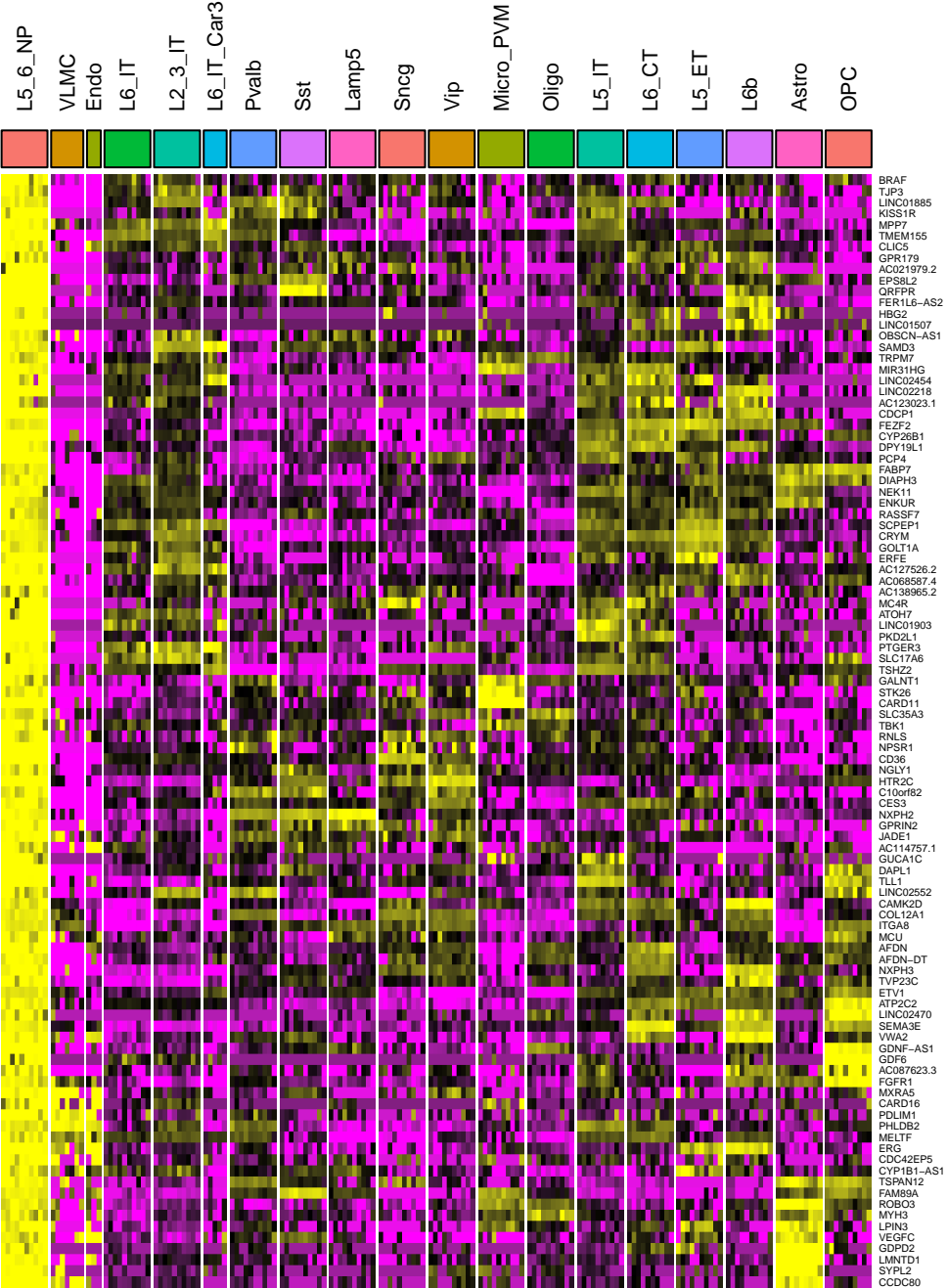
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- GATA2-AS1
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- CLEC3B
- PKN3
- NOSTRIN
- HIGD1B
- EVA1B
- EPHA2
- GJA4
- GPR4
- KANK3
- ANPEP
- LEFT
- CAVIN2
- GNG11
- GGT5
- GJA5
- TBX3
- CDH5
- CD248
- FOXD1
- TBX2-AS1
- COX4I2
- LRRC32
- PTGDR2
- IFI27
- TM4SF1
- ACVRL1
- TM4SF18
- SRARP
- VCAM1
- IFITM1
- PLA1A
- CD34
- TIE1
- VWF
- TAC1
- NAMPT
- KLF2
- FLT1
- TRGC2
- MECOM
- TGM2
- SOX18
- SEMA3G
- HRC
- KLF4
- TMEM204
- EMCN
- FOXQ1
- HIF1A-AS3
- NET1
- ADCY4
- HERPUD1
- FGR
- CLEC1A
- PMAIP1
- ABCG2
- ROBO4
- GIMAP6
- GIMAP7
- TNFSF10
- APOL3
- NFKBIA
- CDX
- ZNF366
- DLL4
- NOS3
- MYCT1
- GATA2
- CLDN5
- PCAT19
- FENDRR
- VSIG2
- LSR
- ACSL5
- MFSO2A
- ST6GALNAC1
- EDN3
- HSPA12B
- FLT4
- EDN1
- LINC00840
- MMRN2
- CD59
- NOTCH4
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- DSP
- GARD10
- ACVR1
- IFNAR2
- HERC2
- PLPP1



Top 100 Markers L2_3_IT

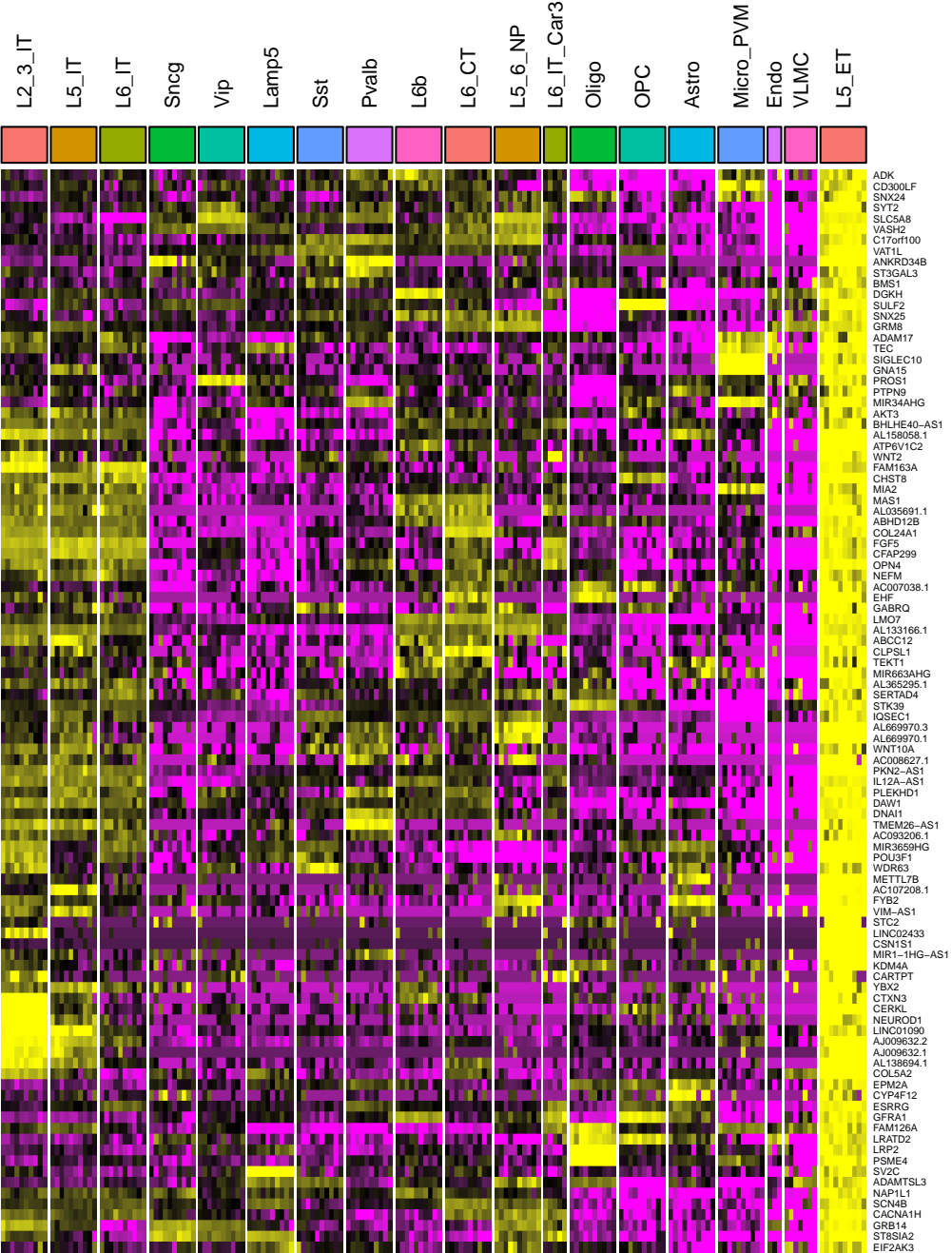
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- CUX2
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- CERKL
- NEUROD1
- LINC01090
- AJ009632.2
- AJ009632.1
- AL138694.1
- RFX3
- HOPX
- MYLK3
- CRLF1
- IQGJ
- DCLK3
- AC011676.1
- MCOLN3
- RERGL
- EFCC1
- PALMD
- AC046130.2
- LINC01231
- Cbr141
- INHBA
- TTC6
- NECTIN3
- AC009495.3
- BTBD9
- AC037441.1
- CDC40
- ARPP19
- GLP2R
- AL136985.3
- LINC01331
- AL450322.1
- AL450322.2
- AL381771.1
- ADAMTS3
- LINC01511
- LINC03507
- AL162457.2
- MS4A8
- LINC02306
- AC010286.2
- AC105393.2
- LRRC108
- GRP6
- PACERR
- LINC02338
- LAMB1
- ASB2
- FAM163A
- LINC02653
- AC008574.1
- GPR26
- EPCAB1
- AC06489.1
- AP001993.1
- LINC01202
- ADAMTS16
- AC060765.1
- AC093607.1
- AC092834.1
- DNAJC5G
- TRIM54
- MAPK15
- AC022424.1
- LINC01007
- LTK
- AC116345.1
- LINC02348
- ADCVAP1
- AP000894.2
- AP000829.1
- ONGB1
- LINC01484
- LINC04488
- AC117453.1
- LINC00390
- AC124290.1
- LINC01164
- AC011287.1
- AC073365.1
- LINC01140
- LRRC53
- LINC01865
- COX7A2L
- KCNK3
- KIAA2012
- R3HDM1
- PUM3
- GPR88
- DUSP9
- FREM3
- AL365255.1
- IP05

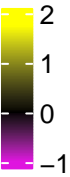


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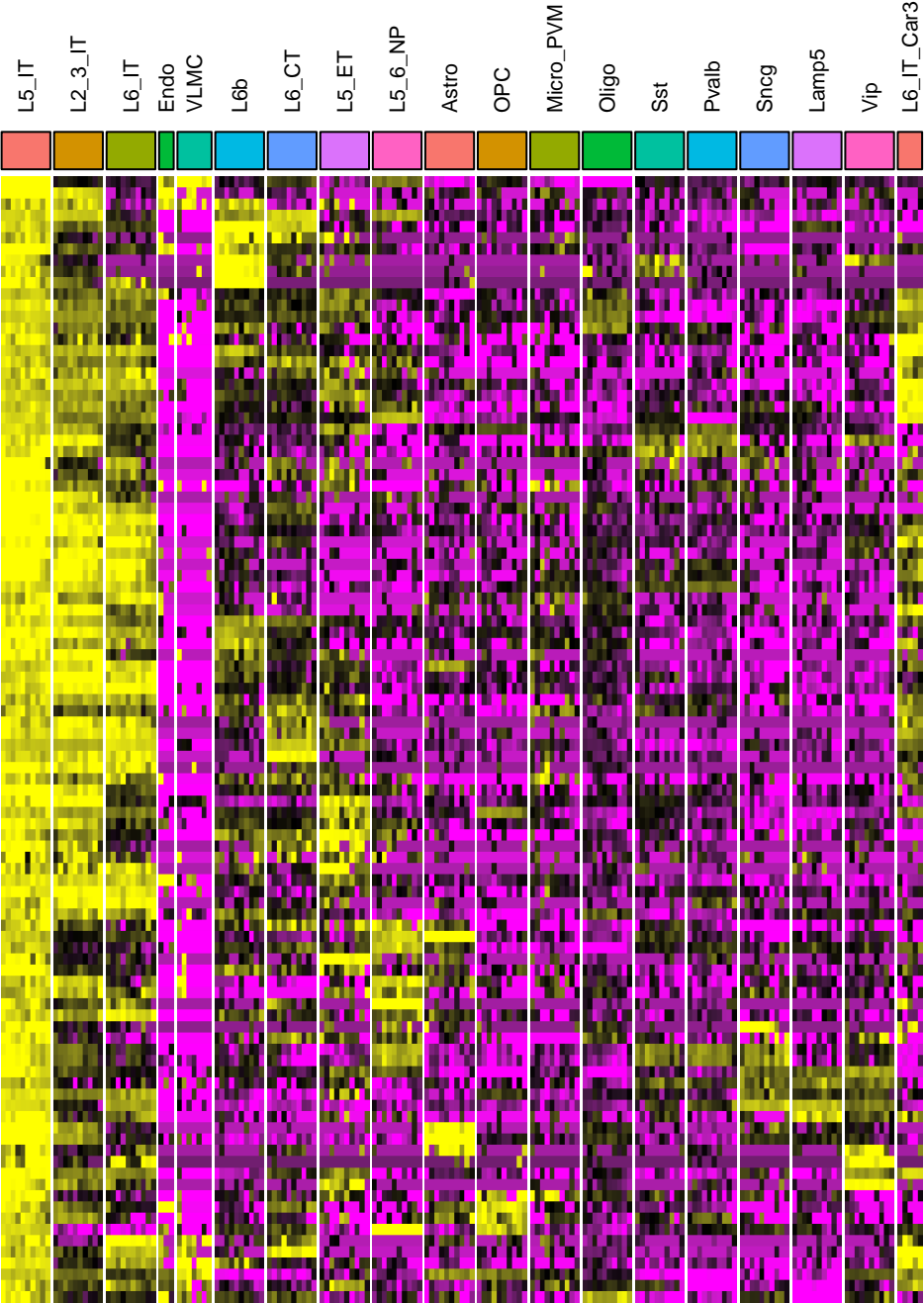
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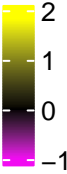
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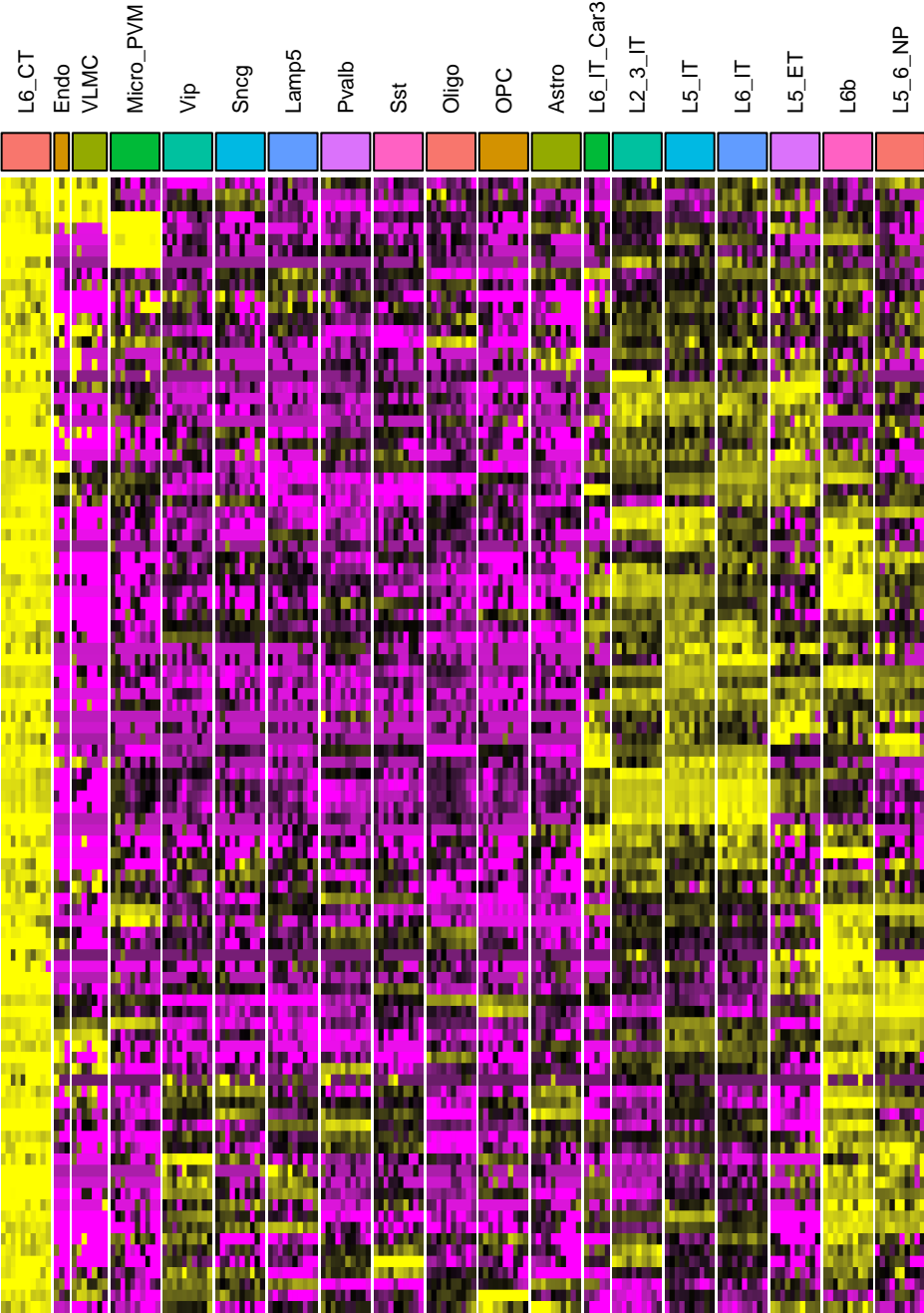
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- SLC5A8
- VASH2
- C17orf100
- VAT1L
- ANKRD34B
- ST3GAL3
- BMS1
- DGKH
- SULF2
- SNX25
- GRM8
- ADAM17
- TEC
- SIGLEC10
- GNA15
- PROS1
- PTPN9
- MIR34AHG
- AKT3
- BHLHE40-AS1
- AL158058.1
- ATP6V1C2
- WNT2
- FAM163A
- CHST8
- MIL2
- MAS1
- AL035691.1
- ABHD12B
- COL2A41
- FGF5
- CFAP299
- OPN4
- NEFM
- AC007038.1
- EHF
- GABRQ
- LMO7
- AL133166.1
- ABHD12
- CLPSL1
- TEKT1
- MIR663AHG
- AL365295.1
- SERTAD4
- STX39
- IQSEC1
- AL669970.3
- AL669970.1
- WNT10A
- AC008627.1
- PKNX-AS1
- IL12A-AS1
- PLEKHD1
- DAW1
- DNAH1
- TMEM126-AS1
- AC093206.1
- MIR3659HG
- POU3F1
- WDR63
- METTL7B
- AC107208.1
- FYB2
- VIM-AS1
- STC2
- LINC02433
- CSN1S1
- MIR1-1HG-AS1
- KDM4A
- CARTPT
- YBX2
- CTXN3
- CERKL
- NEUROD1
- LINC01090
- AJ009632.2
- AJ009632.1
- AL138694.1
- COL5A2
- EPN2A
- CYP4F12
- ESRRG
- GPR41
- FAM126A
- LRATD2
- LRP2
- PSME4
- SV2C
- ADAMTSL3
- NAP1L1
- SCN4B
- CACNA1H
- GRB14
- STG1A2
- EIF2AK3

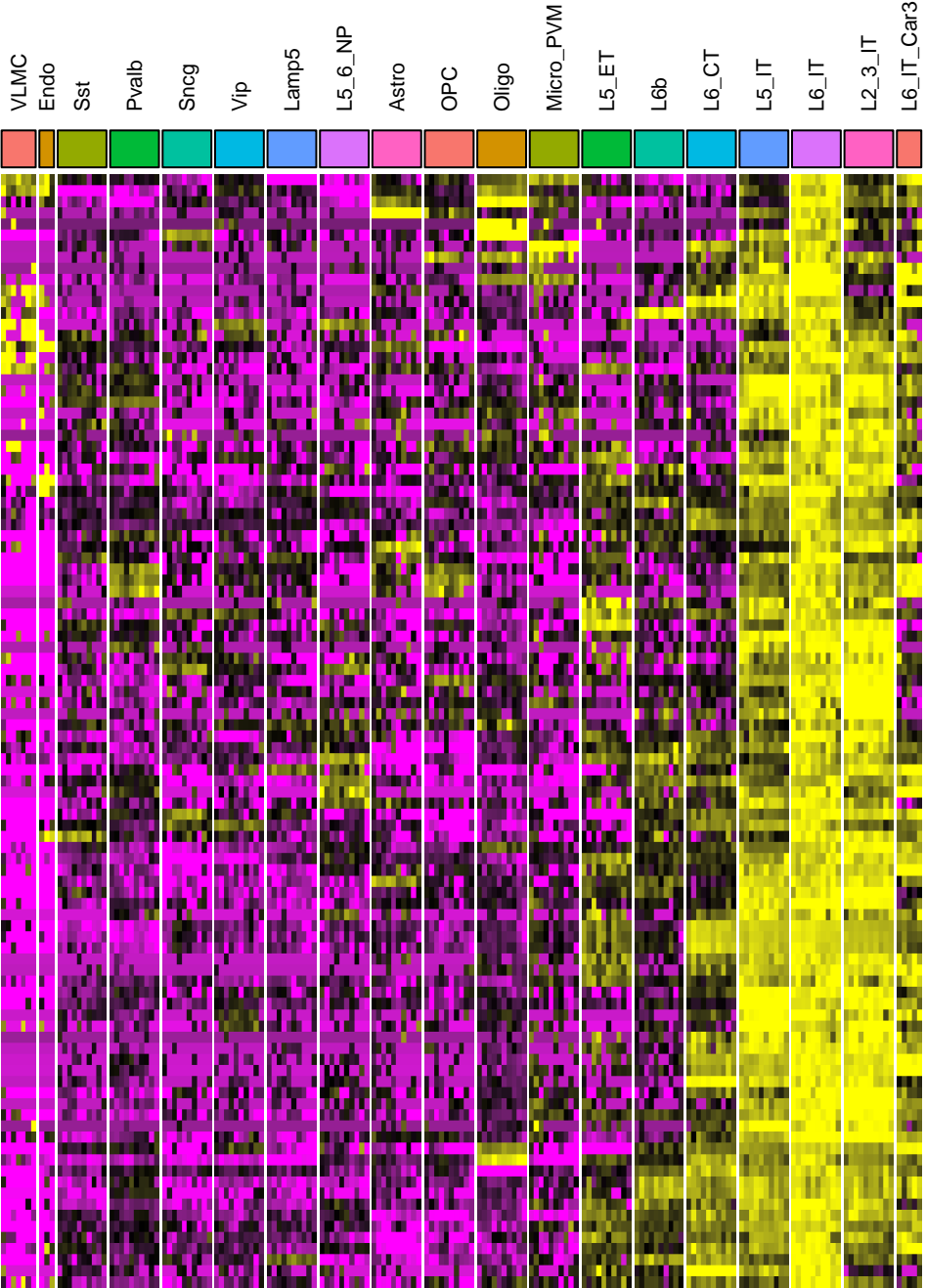


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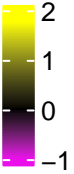


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- LINC01606
- KRT31
- TRABD2A
- PROKR2
- NPY2R
- LINC01680
- GNNT1
- PWWP3B
- PRDM8
- C2CD4D-AS1
- TMEM45B
- LINC02346
- AC090774.2
- AP001330.1
- PTPRQ
- PRSS3
- AC105219.4
- CPNE4
- ASB1
- AC018576.1
- AC018742.1
- AC073578.1
- AC073578.2
- SPATA18
- AC068489.1
- Z8623.1
- LINC01202
- ADAMTS16
- TNNT2
- AC022424.1
- DNAJC5G
- TRIM54
- SLC30A3
- SLN
- MAPK15
- LINC02458
- AC073955.1
- KLK7
- LINC01164
- SCHLAF1
- AC060765.1
- AC093607.1
- DYDC2
- AL359636.2
- AL450322.1
- AL450322.2
- AC019211.1
- SMIM36
- AL390778.1
- KCNJ1
- LINC01140
- LINC01090
- OTOGL
- LINC02055
- ABCC12
- LINC01721
- LCN15
- AL020994.2
- BTNL9
- AP001993.1
- AC092834.1
- ICE1
- LINC02351
- RNF182
- LINC02196
- AC107208.1
- COL22A1
- AMIGO2
- BHLHE22
- LINC01903
- AC023886.1
- GAL
- PPP1R17
- AC008415.1
- AC109466.1
- SMYD2
- CD24
- AC096570.1
- IL1RAPL2
- DRD5
- RORB-AS1
- RORB
- C1orf87
- PKP1
- TDO2
- AP003400.1
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- ALPL
- CD101
- TLL1
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- ITGA11
- ANTXR2
- RSU1
- DNAJC1

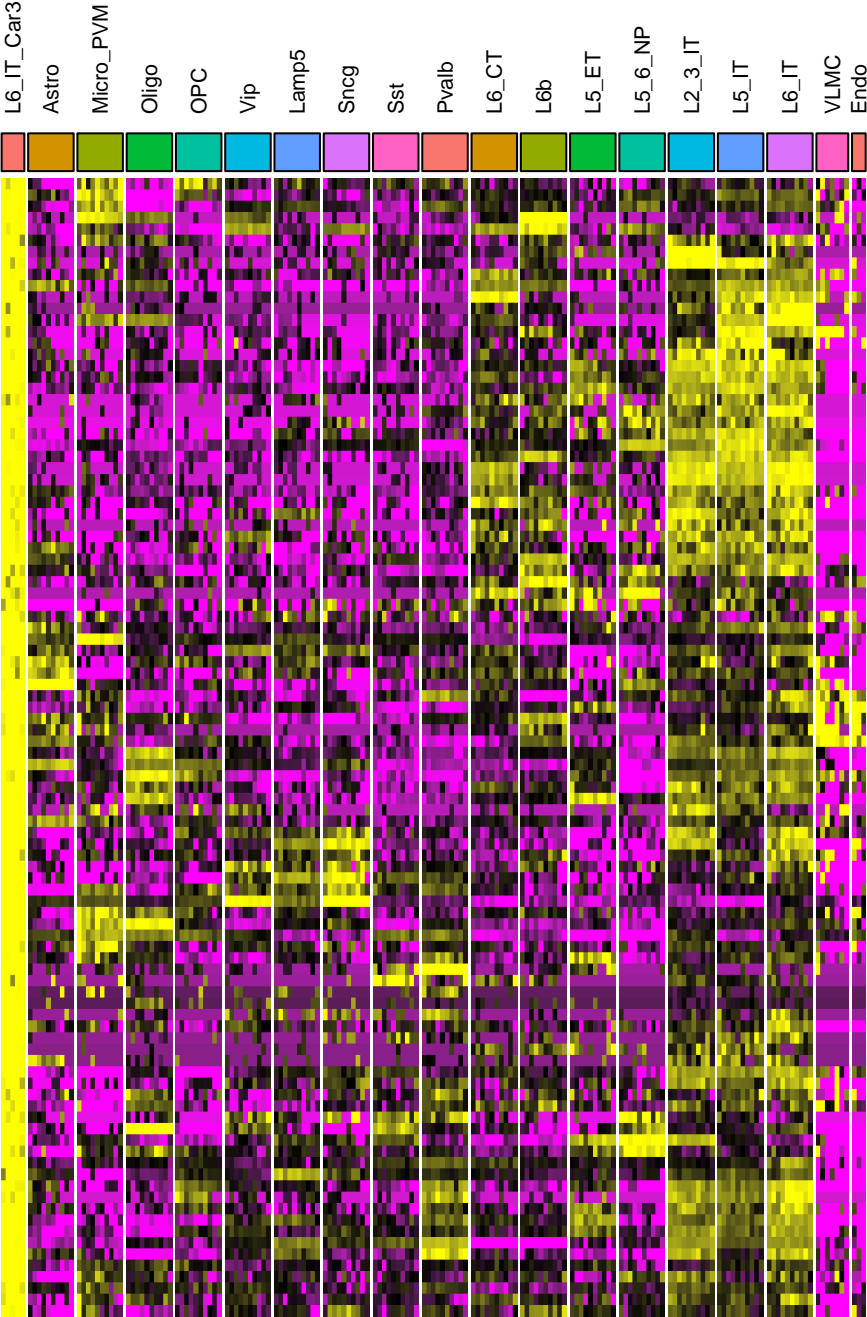




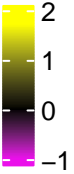
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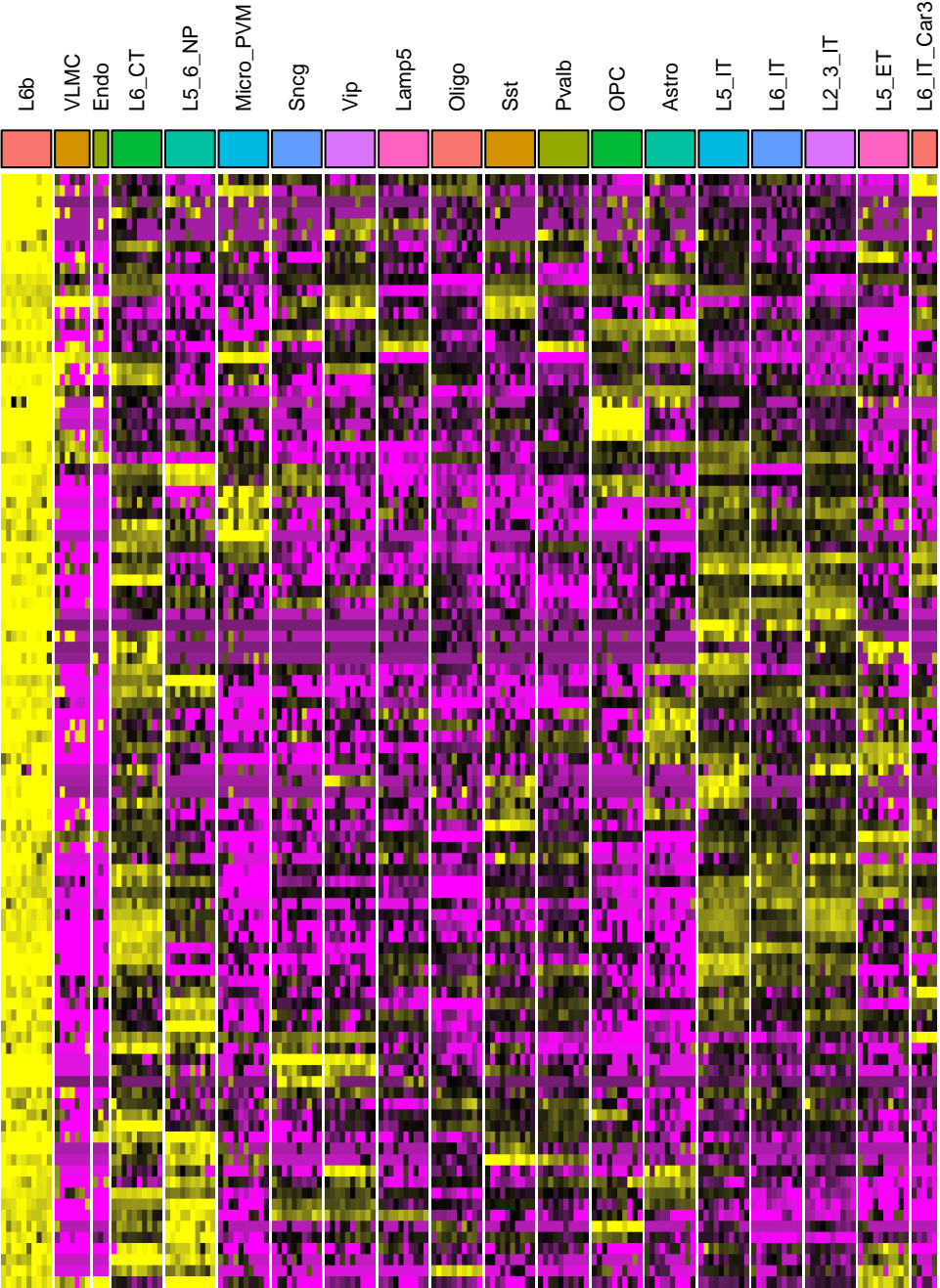
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- RPS6KA5
- IL33
- LINC00323
- GREM1
- P2RY6
- AP000525.1
- AC010331.3
- THEMIS
- CCN4
- AC079380.1
- AC092131.1
- SLC6A20
- SNAI2
- SNED1
- VIT
- WDR86
- DNAJC5G
- TRIM64
- SLC30A3
- SLN
- LRRRC10B
- GPR6
- KCN51
- C1QL3
- LINC02338
- BTNL9
- RAPGEF2
- HNRNPLL
- PIP4K2C
- SNTB2
- AF003721.1
- CRLF1
- AC010975.1
- LINC02720
- AF001978.1
- AP006295.1
- AL020994.2
- AC020704.1
- FAM163A
- AP001993.1
- AC092834.1
- EFCA81
- GPR26
- TTC6
- AL162457.2
- LINC02306
- AC010266.2
- CDC144A
- BTBD9
- YWHAZ
- RPS6KC1
- AC138904.3
- IFT57
- AC079341.1
- AC023886.1
- U95743.1
- CPNE9
- SH3RF2
- CDCA40
- LMO4
- PTPRQ
- SCHLAP1
- AC060765.1
- AC093607.1
- AP001330.1
- AC019211.1
- AC067956.1
- AC093843.1
- OR14I1
- LYPD8
- GPATCH2
- LINC01202
- ADAMTS16
- TNNT2
- AC022424.1
- AL450322.1
- AL450322.2
- AC004817.1
- AC004817.4
- SNIM36
- GLP2R
- AL136985.3
- LINC01331
- AL380778.1
- ADAMTS3
- TMEM244
- PTK2
- PPP3CA
- AC138305.1
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- PI4KA
- AC084816.1
- PTPN1
- RASA2
- TMEM233
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- SURF4



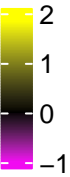
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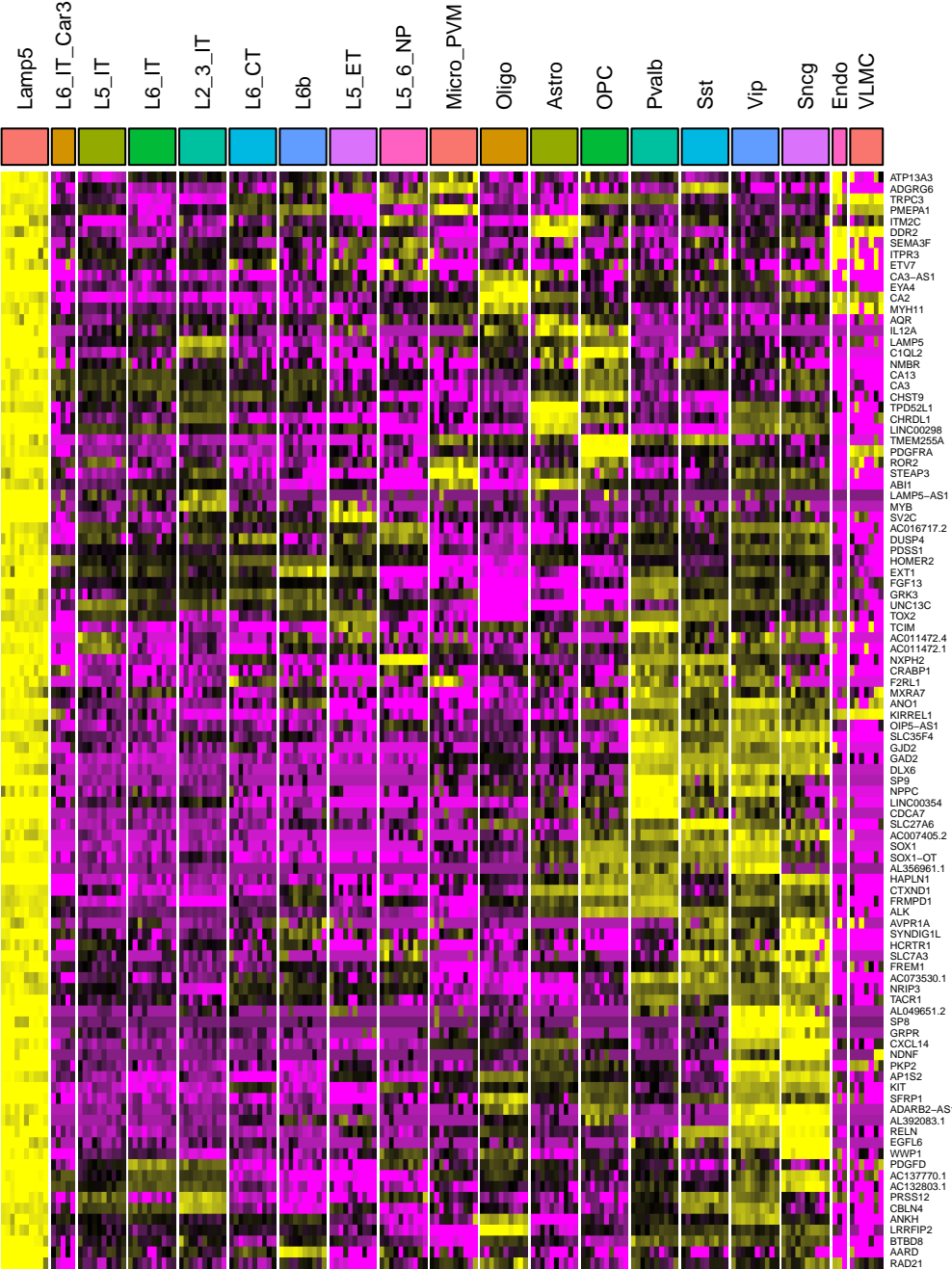
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- MAPK15
- MEI1
- FAP
- AC079380.1
- AC010931.3
- THEMIS
- ITGA11
- TMEM45B
- AC103796.1
- PTPRQ
- BDNF
- PRSS3
- LINC02888
- AC079341.1
- LYZL4
- AC105219.4
- CPNE4
- LINC02346
- AC004817.1
- AC004817.4
- MYOM2
- GALNTL5
- AC138904.3
- FAM237A
- LINC00951
- LINC01954
- LINC00683
- ANKRD27
- COMMD2
- LINC02454
- AP005901.2
- SRSF9
- SLC22A1
- GALNT2
- PPP1R1A
- CAB39L
- AL35998.1
- ALDH1A1
- TRAM2
- ATP10A
- NF4A2
- ANXA1
- NIBAN2
- MED27
- NTNG2
- REEP3
- FLCN
- LINC02073
- TPBG
- NFRKB
- RYK
- SLCO2A1
- SGPL1
- FGF10
- SLC38A8
- GAS2L3
- RGS12
- MRO2
- MGAT5
- CUX1
- AL135999.1
- VPS13D
- POSTN
- TH
- SHIM32
- SMYD1
- TRPC7-AS1
- STPG2-AS1
- SMPX
- DGSTAMP
- NRAP
- OPTN
- LINC00622
- AP2A1
- INP5A
- PROC
- CAPN13
- SAMD3
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- MREG
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- LINC02720
- AP006295.1
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- OGT
- TPMT
- TBCD
- TENT4A



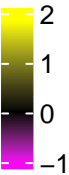
Top 100 Markers L6b



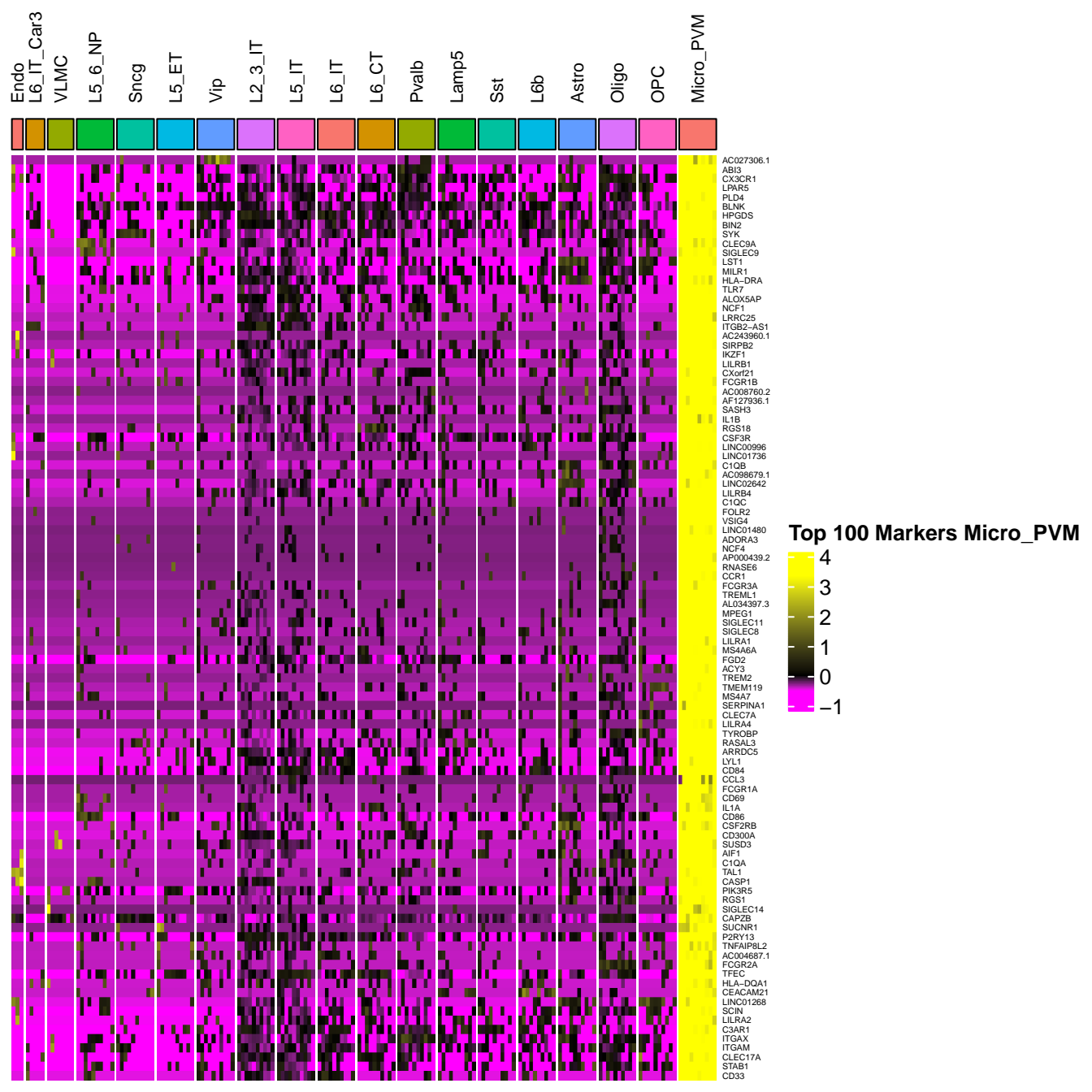
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- FIBCD1
- FS1
- THUMP2
- AC079949.2
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- POSK5
- KCNK2
- EDNRA
- ADRA2A
- ADD3-AS1
- CDH24
- F2R
- ZFHX3
- CCN2
- KRT17
- ZBTB7C
- LINC01290
- GALR1
- AC124254.2
- PCOLCE2
- MDFIC
- DCBLD1
- CAMK2D
- FAM160A1
- LMO1
- AC129507.1
- AC124248.1
- RAC2
- DUSP27
- DPF4
- AC010997.3
- AC082131.1
- CIDEA
- TMEM158
- AC008780.1
- RGS1
- LINC01680
- MSC
- AC005482.1
- KRT17
- ARSJ
- LINC02218
- TSKU
- LMO3
- SFRP2
- LRAT
- COL1A1
- SEMA3D
- CAPN8
- AC007922.3
- PROKR2
- NPY2R
- AL137847.1
- TTI29
- AC022126.1
- DGKH
- COLEC10
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- MOSMO
- PPM1L
- FOXC4
- AC104024.2
- SLC22A10
- SLC22A9
- AQP9
- VPS41
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- EPHA8
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- MC1TP2
- LOXL1-AS1
- CHRNA3
- NXPH4
- SLITRK6
- PRPH2
- PIK3R4
- MAP3K4
- LINC02718
- VWA2
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- HS3ST3B1
- SNHG31
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- SMPDL3B
- NHLH2
- ERG

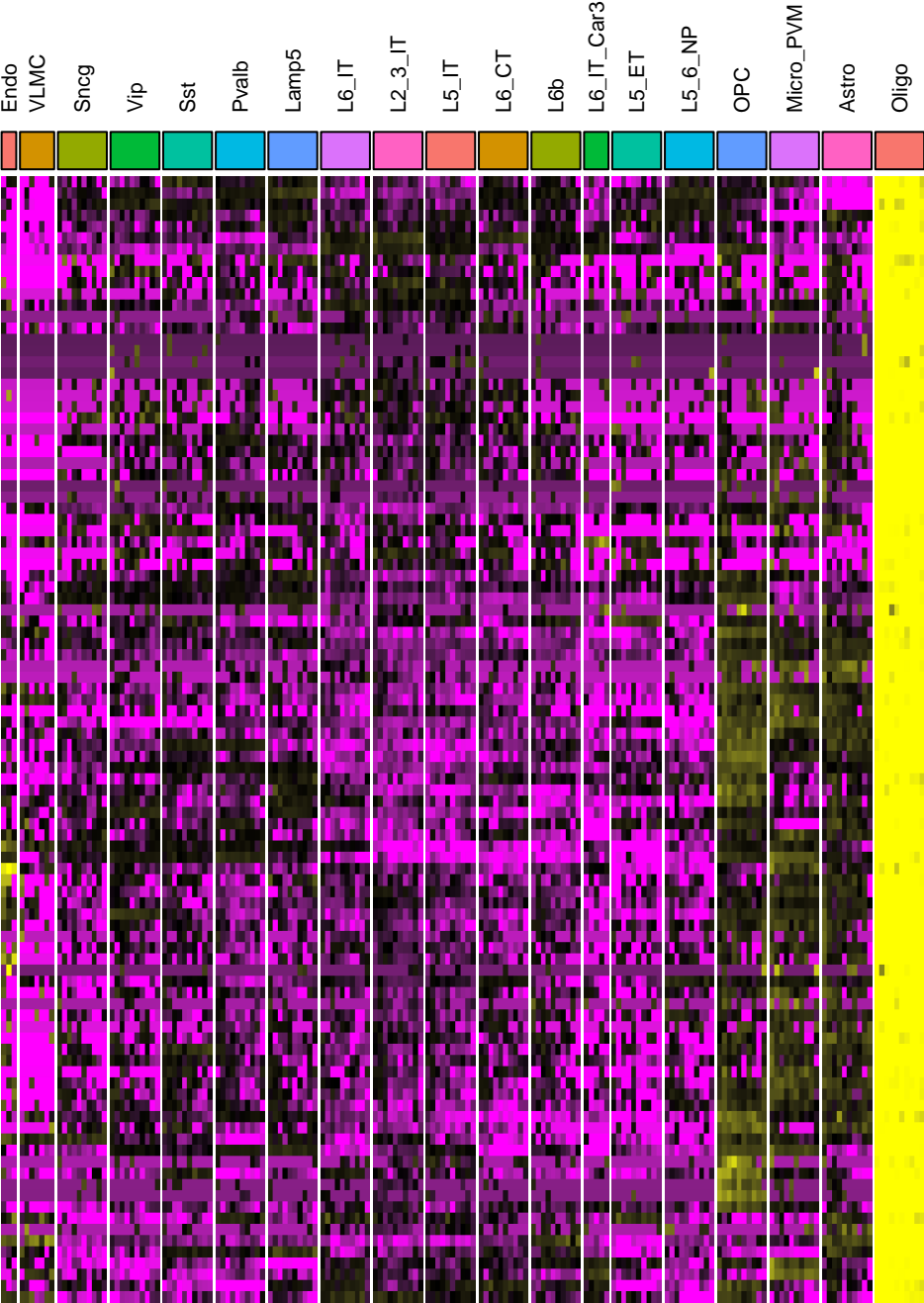


Top 100 Markers Lamp5



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- ADGRG6
- TRPC3
- PMEPA1
- ITM2C
- DDR2
- SEMA3F
- ITPR3
- ETV7
- CA3-AS1
- EYA4
- CA2
- MYH11
- AQR
- IL12A
- LAMP5
- C1QL2
- NMBR
- CA13
- CA3
- CHST9
- TPD52L1
- CHRD1
- LINC00298
- TMEM256A
- PDGFRA
- ROR2
- STEAP3
- AB11
- LAMP5-AS1
- MYB
- SV2C
- AC016717.2
- DUSP4
- PDSS1
- HOMER2
- EXT1
- FGF13
- GRK3
- UNC13C
- TOX2
- TCIM
- AC011472.4
- AC011472.1
- NXPH2
- CRABP1
- FRSL1
- MXRA7
- ANO1
- KIRREL1
- OLP5-AS1
- SLC35F4
- GJD2
- GAD2
- DLX6
- SP9
- NRPC
- LINC00354
- CDC47
- SLC27A6
- AC007405.2
- SOX1
- SOX1-OT
- AL356961.1
- HAPLN1
- CTXND1
- FRMPD1
- ALK
- AVPR1A
- SYNDIG1L
- HCKTR1
- SLC7A3
- FREM1
- AC073530.1
- NRIF3
- TACR1
- AL049651.2
- SP8
- GRPR
- CXCL14
- NDNF
- PKP2
- AP1S2
- KIT
- SFRP1
- ADARB2-AS1
- AL392083.1
- RELN
- EGFL6
- WWP1
- PDGFD
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- ANKK
- LRRFIP2
- BTBD8
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- RAD21

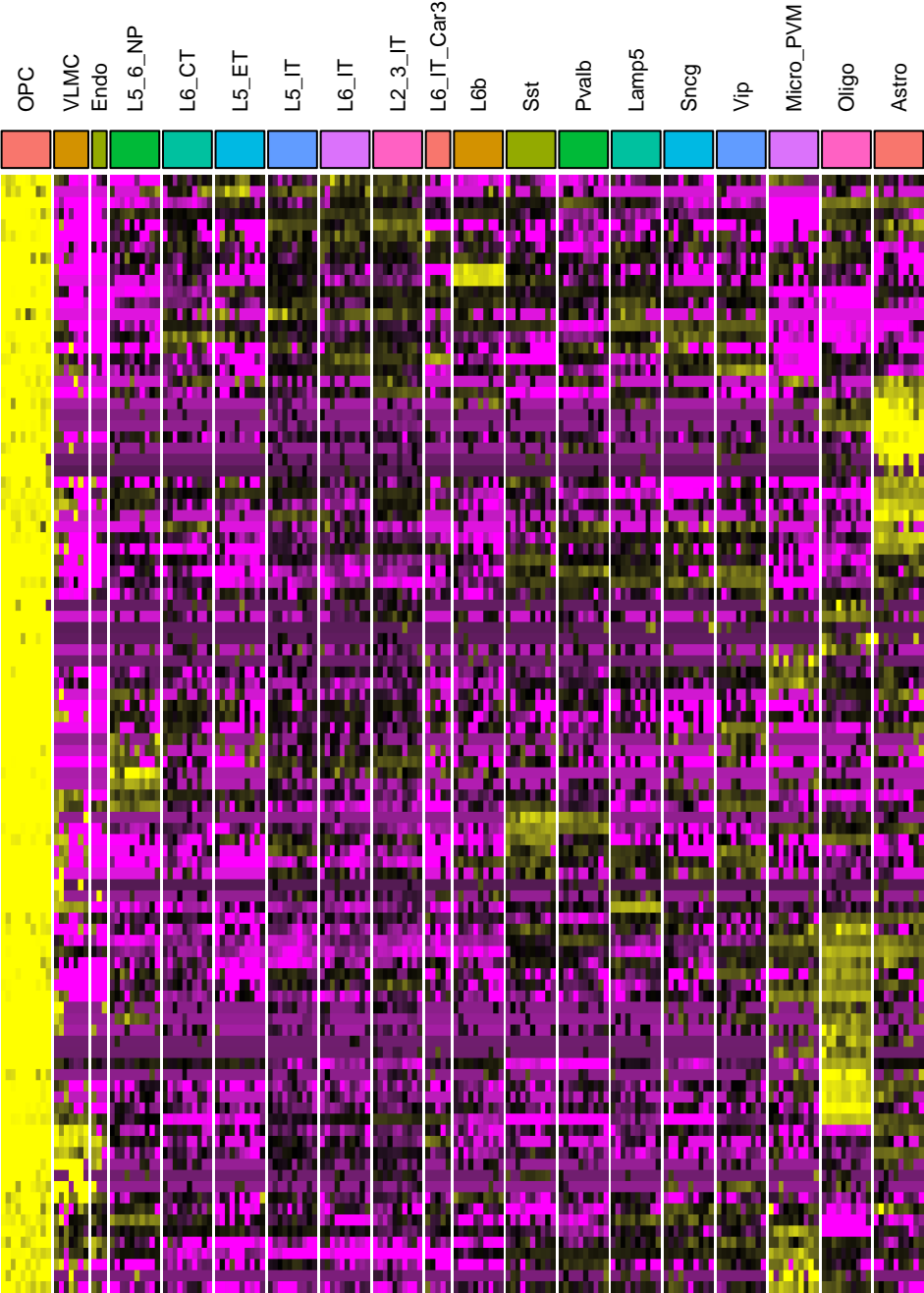




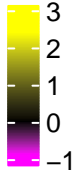
Top 100 Markers Oligo



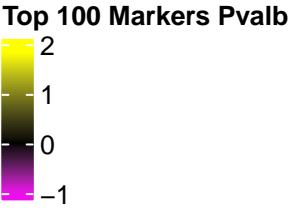
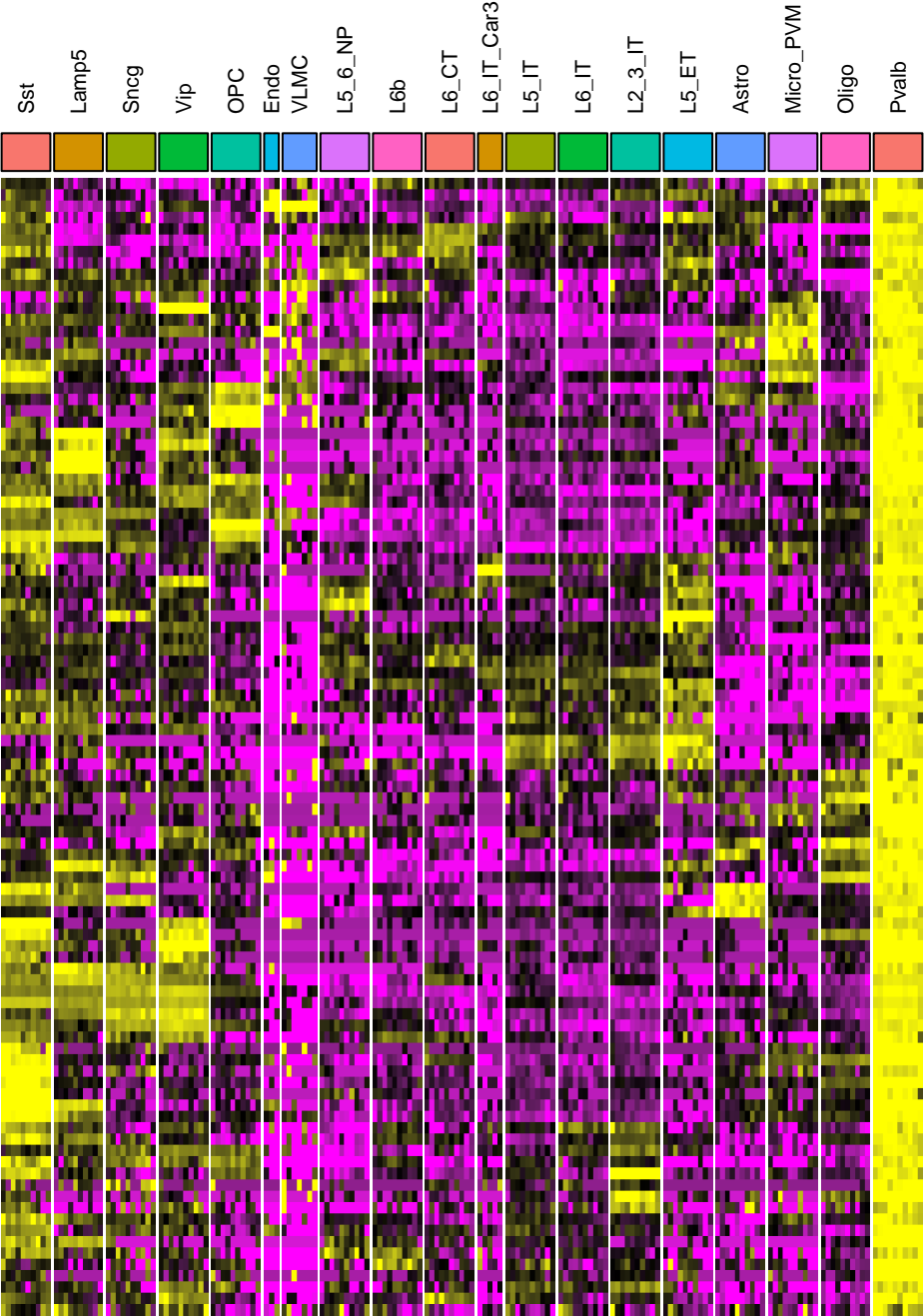
- ANAPC5
- LPAT1
- ZDHHC20
- FUT8
- ZNF451
- SECISBP2L
- SLC44A1
- AL368216.1
- ACP7
- LINC01445
- LINC01992
- STRN
- LINC01978
- CLDND1
- FFAR1
- TMEM898
- LINC00706
- AC104417.2
- LINC01299
- AC082851.1
- AC008505.1
- GPR62
- TRPV5
- TRIM59
- HPN-AS1
- LINC01792
- TMEM235
- HOXD1
- LINC02473
- TMEM165
- TYMSOS
- TMEM125
- CTNNA3
- NPK4
- DNAH17-AS1
- ZNF146
- POLR2F
- PXK
- AC012511.1
- AC012494.1
- CNF
- LAMP2
- TF
- SMIM5
- CA14
- MOG
- PLP1
- KLK6
- PIP4K2A
- VPS38L
- ZFYVE16
- SLF2
- PLEKHH1
- ZNF708
- SCARB2
- USP47
- DICER1
- SIK3
- NCBP3
- FRYL
- KIF13B
- ADIPOR2
- ITGA2
- LINC01608
- SLCSA11
- ST18
- CNDP1
- AC004690.2
- CD22
- SH3TC2-DT
- AC026401.2
- MOBP
- NKX6-2
- S1PR5
- SH3TC2
- CLCA4
- AC018647.1
- FOLH1
- CARNS1
- GJB1
- MAG
- OPALIN
- MYRF
- EMC10
- PRIMA1
- BNFP2
- MBP
- LINC01549
- RBPJ
- HAGLR
- LINC02199
- ZNF638
- NTSDC1
- IP6K3
- RNF220
- SEPTIN7
- ITCH
- TRAPPC10
- FTBP2
- NTMR2

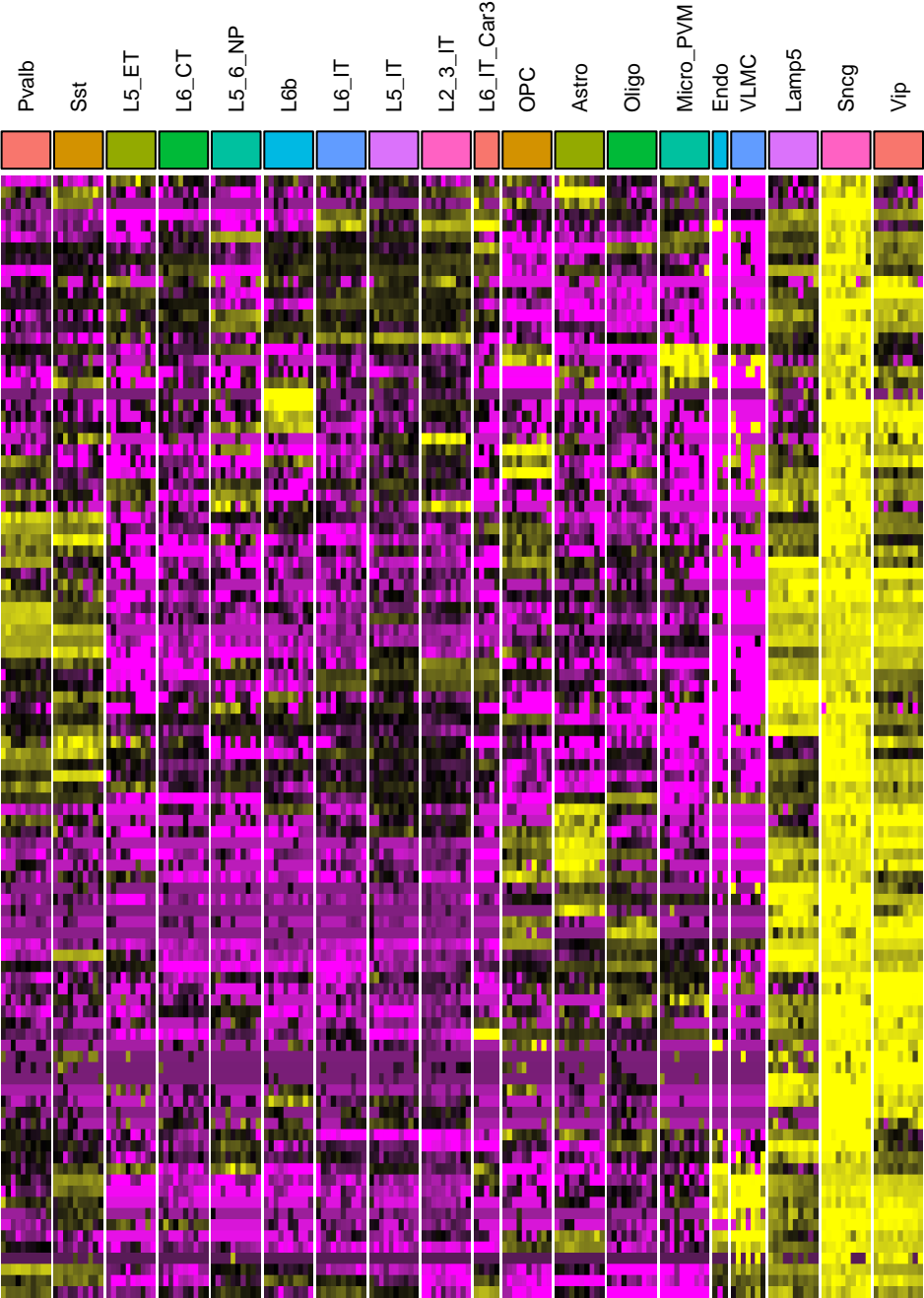


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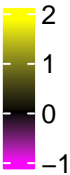


- RBBP7
- AC008152.1
- NAV1
- NOVA1
- AP001025.1
- VAV2
- PCMTD2
- FIP1L1
- GALR1
- AC124254.2
- ABHD2
- CASK
- TNR-IT1
- MYT1
- MEGF11
- TIMP4
- ANZ1
- AL445250.1
- CHAD
- KONL16
- BTBD17
- SOX21
- SALL3
- NKAIN4
- ALDH1L1-AS2
- AC010273.3
- AC131097.2
- LINC02198
- CMYA5
- NTSE
- FIBIN
- TMEM100
- BCAN
- AC022034.1
- STK32A
- BEST3
- REV3L
- SETD5
- AC007106.1
- SAPCD2
- NR0B1
- AC090692.1
- KLRC2
- LINC01546
- NUP42
- USP24
- INAVA
- NEU4
- COL20A1
- AC053503.1
- AL118505.1
- LINC02293
- LINC02588
- SDP6
- B3GNT7
- FERMT1
- COL9A1
- LINC00237
- BLM
- ALDH1A3
- CACNG5
- AC004852.2
- STK32A-AS1
- CPXM1
- HAS2
- PDGFRA
- ZNF528-AS1
- EMILIN2
- TAOK3
- KAT2B
- SFPQ
- BMP8B
- AL139220.2
- SNX22
- GPR17
- LINC02283
- KLRC3
- HMX1
- KLRC4
- EPN2
- AZGP1
- OLIG1
- OLIG2
- SOX10
- KIF13A
- NTN1
- CSPG4
- BX284613.2
- LINC02058
- EMILIN3
- MDFI
- CRISPLD2
- GNA12
- SOX4
- MPZL1
- RPL13
- CCDC50
- GPNMB
- DISC1-IT1
- ZMYM4

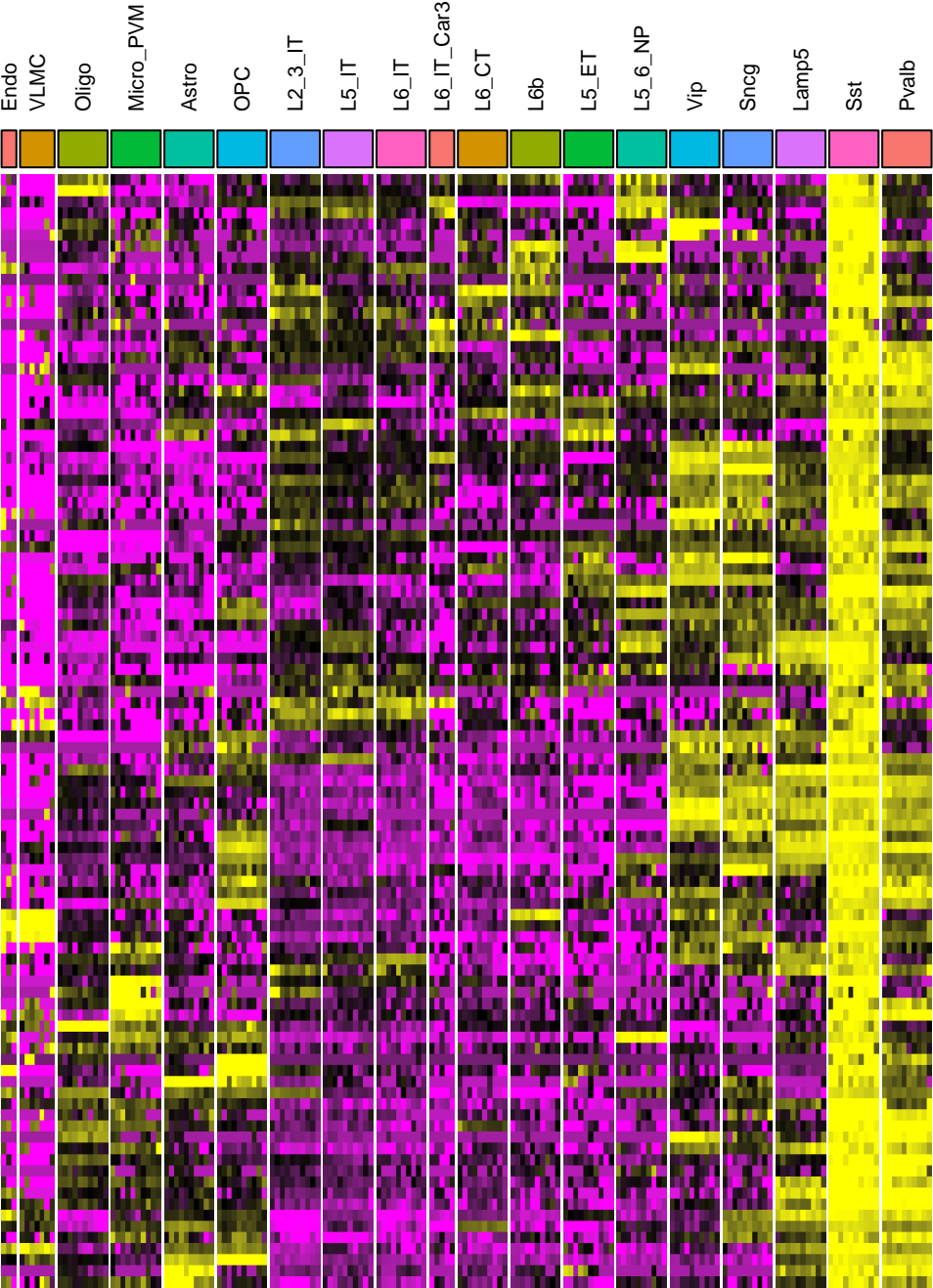




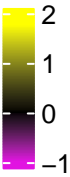
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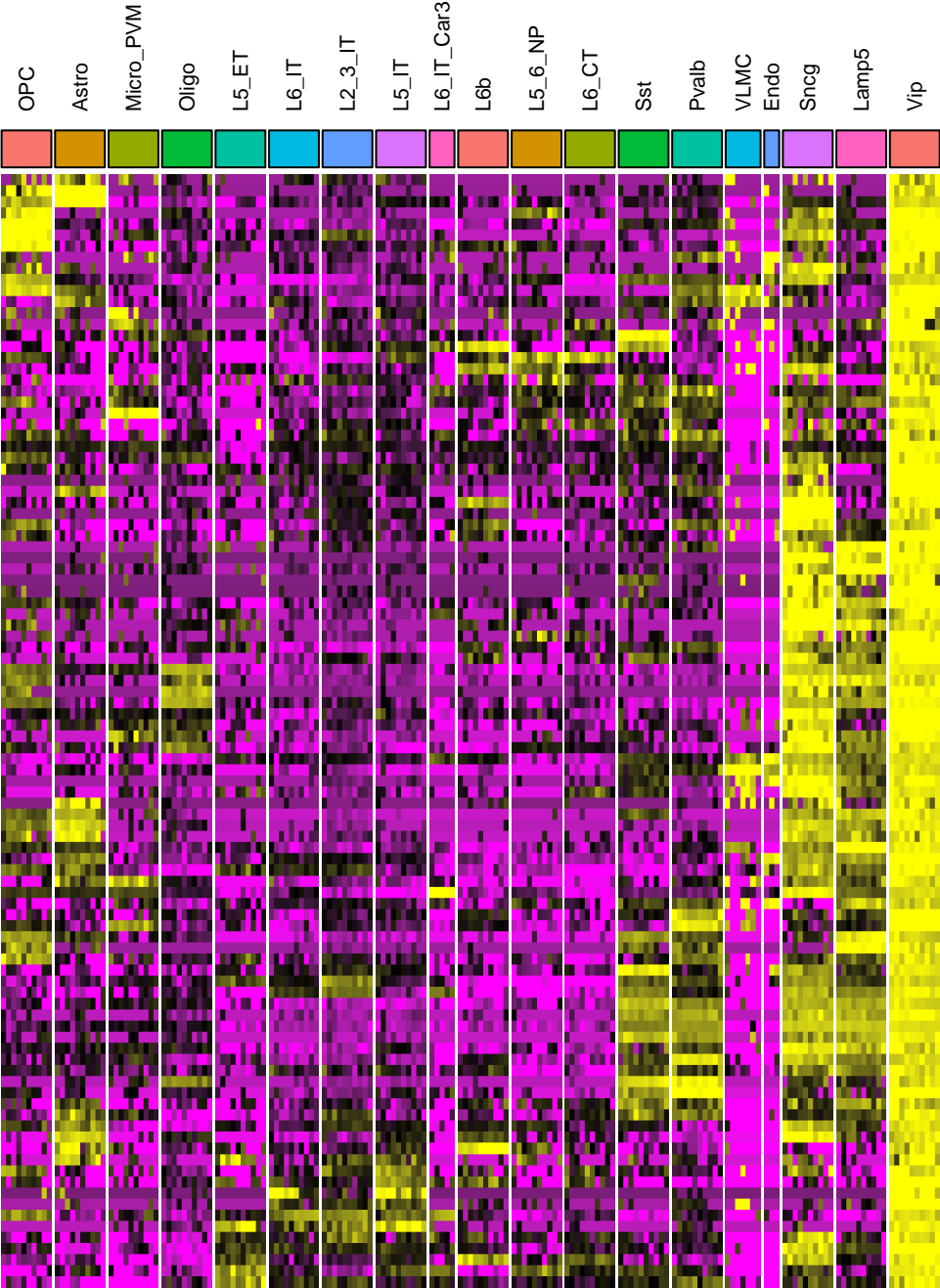


- SCLT1
- CFAP47
- ARHGAP36
- CCK
- SLC02A1
- TP5311
- ULK2
- YJEFN3
- TNFAIP8L3
- AC106795.5
- KMO
- CNR1
- AC068205.1
- CHRNA7
- HTR3B
- SIPA1L2
- MMP2
- CHRFAM7A
- AC01450.1
- SLITR6
- CHRN3
- CHRNA6
- VINT4
- ONECUT2
- VIPR2
- SCN5A
- DCSLD2
- NNMT
- ADRA1D
- C10TNF9B
- ANKRD50
- SCN7A
- SLC17A8
- MACROD1
- HAPLN1
- SLC10A4
- EGFL6
- CRH
- SLC35F4
- LYPD6B
- DLX5
- DLX6-AS1
- NDST4
- HCN4
- NECB2
- AC132803.1
- SYNDIG1L
- HCRTR1
- SLC05A1
- FREM1
- LINC02192
- PHF20L1
- LRRRC39
- NPKA1
- PXDNL
- PLS3
- RXRG
- VWAA51
- ARSF
- NR2E1
- SLC25A48
- OSTM1-AS1
- FREM2
- NDNF
- CXCL14
- AC034206.1
- ADARB2-AS1
- AC011700.1
- ADARB2
- RELN
- AP1S2
- CALB2
- VIP
- AC079209.1
- CONH
- HGFAC
- RGS12
- TCF15
- AC024337.2
- FAM216B
- SP8
- AL392083.1
- AL161629.1
- HTR3A
- CILP2
- HMBX1
- VWPP1
- HIPK1
- ST6SIA6
- NR2F2-AS1
- NR2F2
- PCDH18
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- PTGFR
- ADAM33
- PDC3A
- AC012409.3
- NHS
- THSD7B
- INPP4B

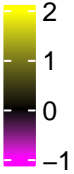


Top 100 Markers Sst

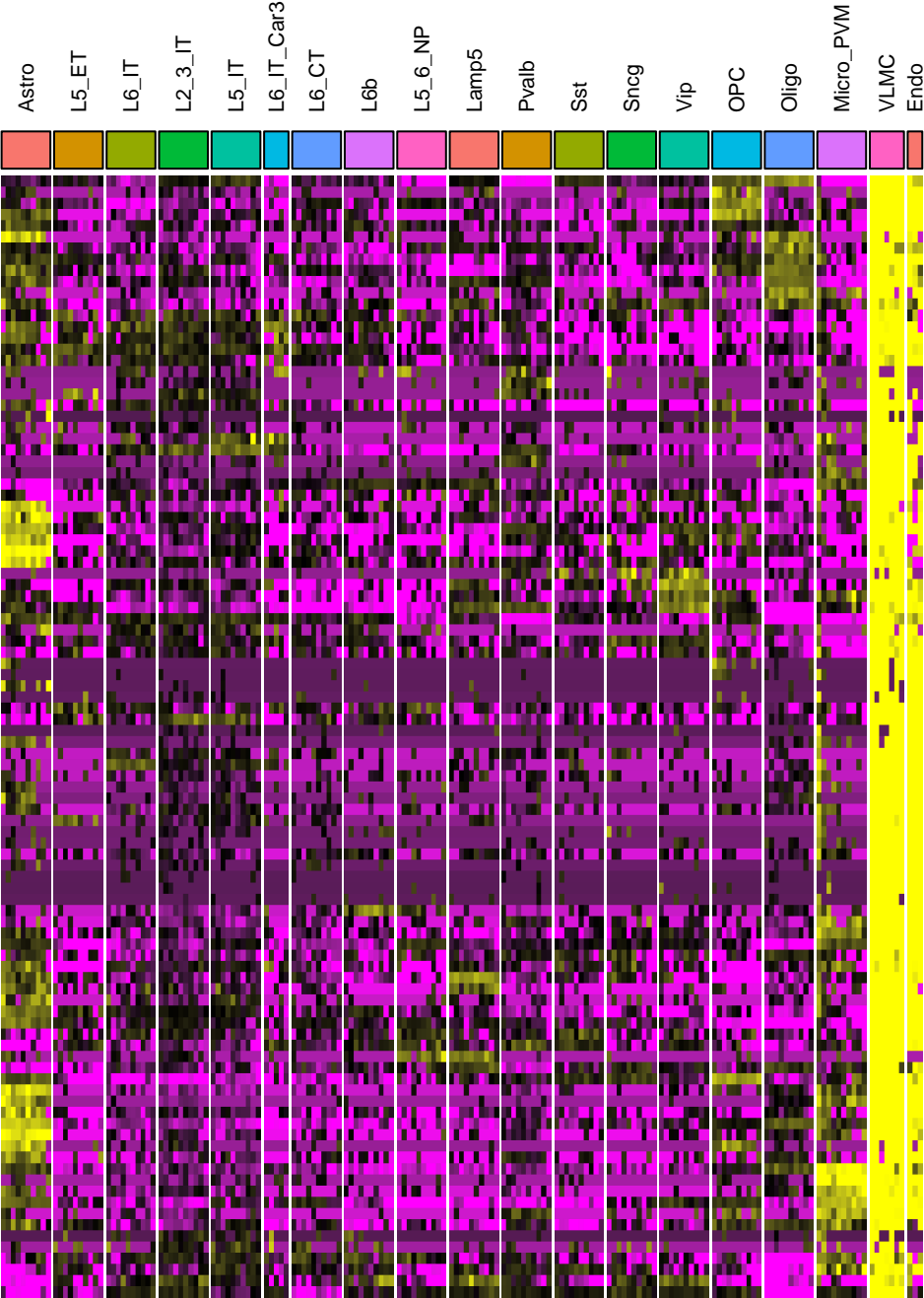




Top 100 Markers Vip



- HSPB6
- IL20RA
- ITPA
- LINC01561
- ASIC4
- AC062021.1
- FBN3
- CARD10
- TCF15
- ADAMTS6
- SLC22A3
- ABI3BP
- TENT5C
- IL18R1
- TAC3
- ADRA2A
- RPRM
- WNT4
- MYH7
- CCNI
- AC095057.3
- HPSE
- PTX3
- CITED1
- CCNG2
- ZNF292
- PP1R1C
- CHRNA2
- VWASB1
- CHRNA6
- HTR3A
- SCN5A
- NPR3
- AL049651.2
- SP8
- GRPR
- AC024337.2
- FAM216B
- SLC10A4
- HGFAC
- AL382083.1
- SCGN
- SHISA8
- AC087713.1
- PROX1
- ADARB2-AS1
- AC011700.1
- PROX1-AS1
- CALB2
- VIP
- AC079209.1
- CCNH
- FGD5
- PCHH8
- AC087477.2
- PTGFR
- DDIT4L
- POLSF4
- NR2E1
- OSTM1-AS1
- PKP2
- LAMA3
- NR3C2
- RGS16
- RGS12
- ISM1
- PTHLH
- IQGAP2
- SOX1
- AL356961.1
- FHDC1
- SLC9A2
- PCHH8
- RGS8
- DLX1
- PRLHR
- DLX6-AS1
- DLX2
- CRH
- AL136114.1
- SCG2
- VAX1
- GPR149
- NANOS1
- SNARCA2
- LINC02144
- RXRG
- HS3ST3B1
- LINC02703
- NG2
- CBLN1
- PKP1
- FNDC1
- PTH2R
- AP003400.1
- AC106795.2
- KMO
- AC022523.1
- BSRPV
- TFDP2



Top 100 Markers VLMC

