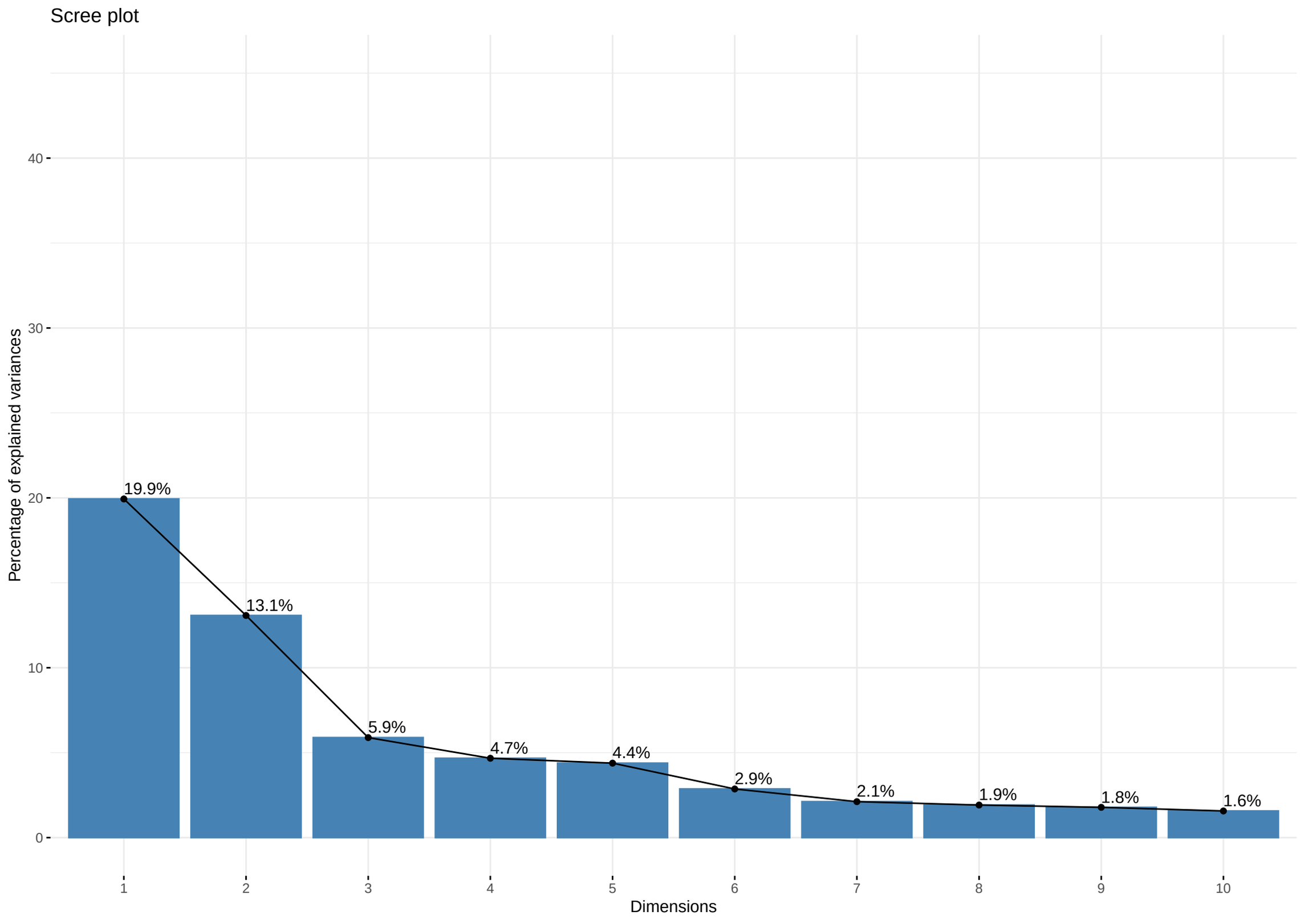
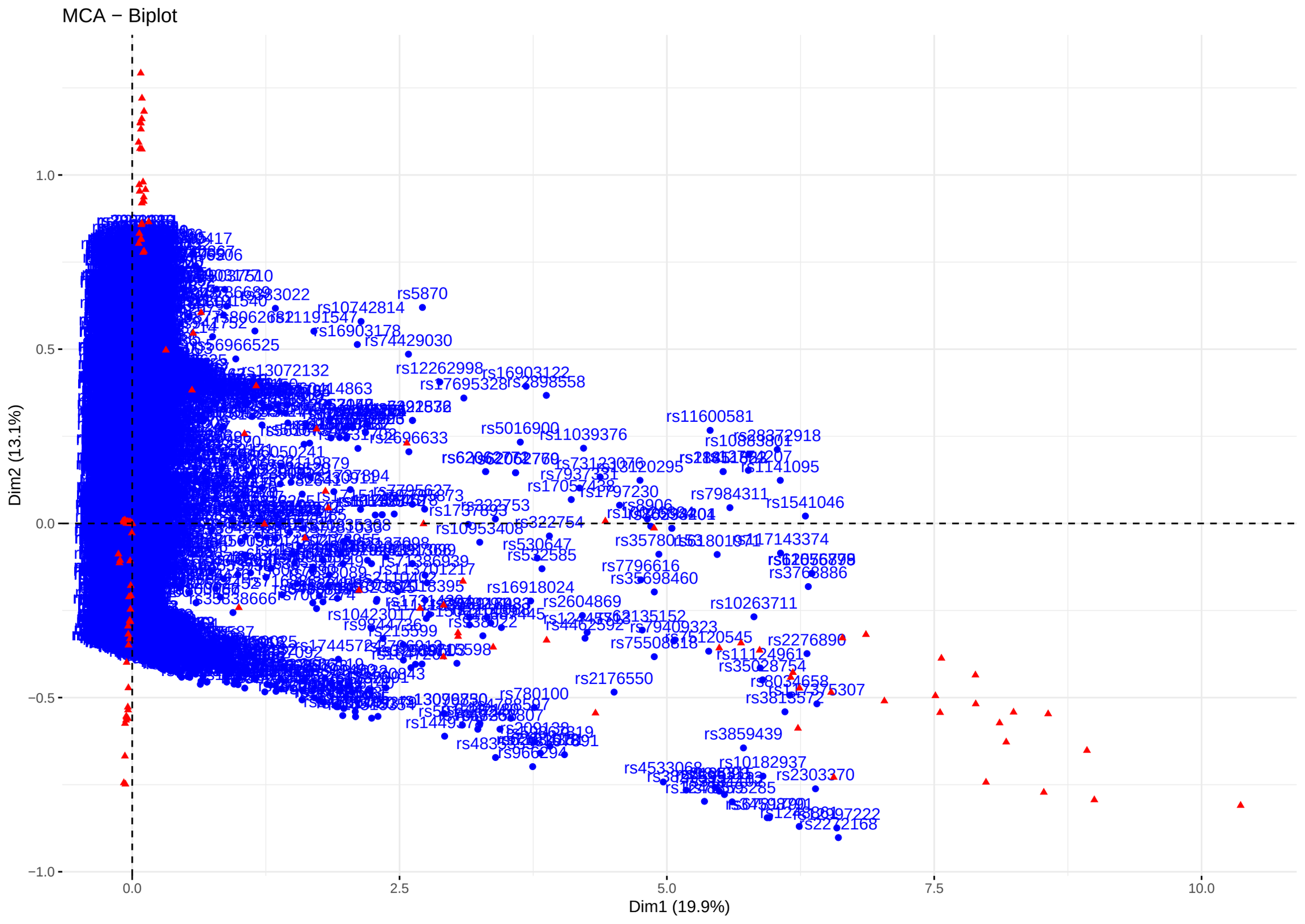
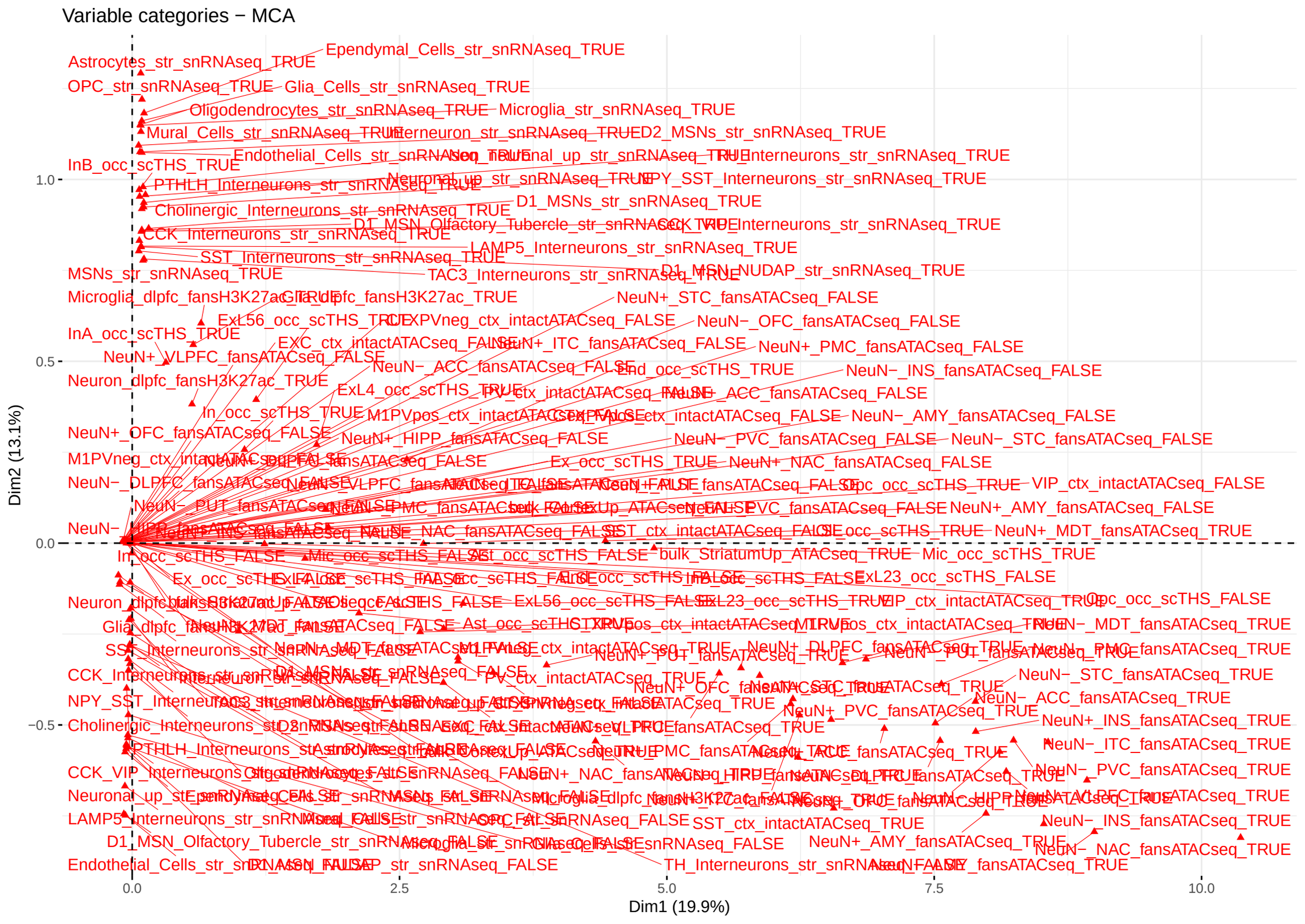
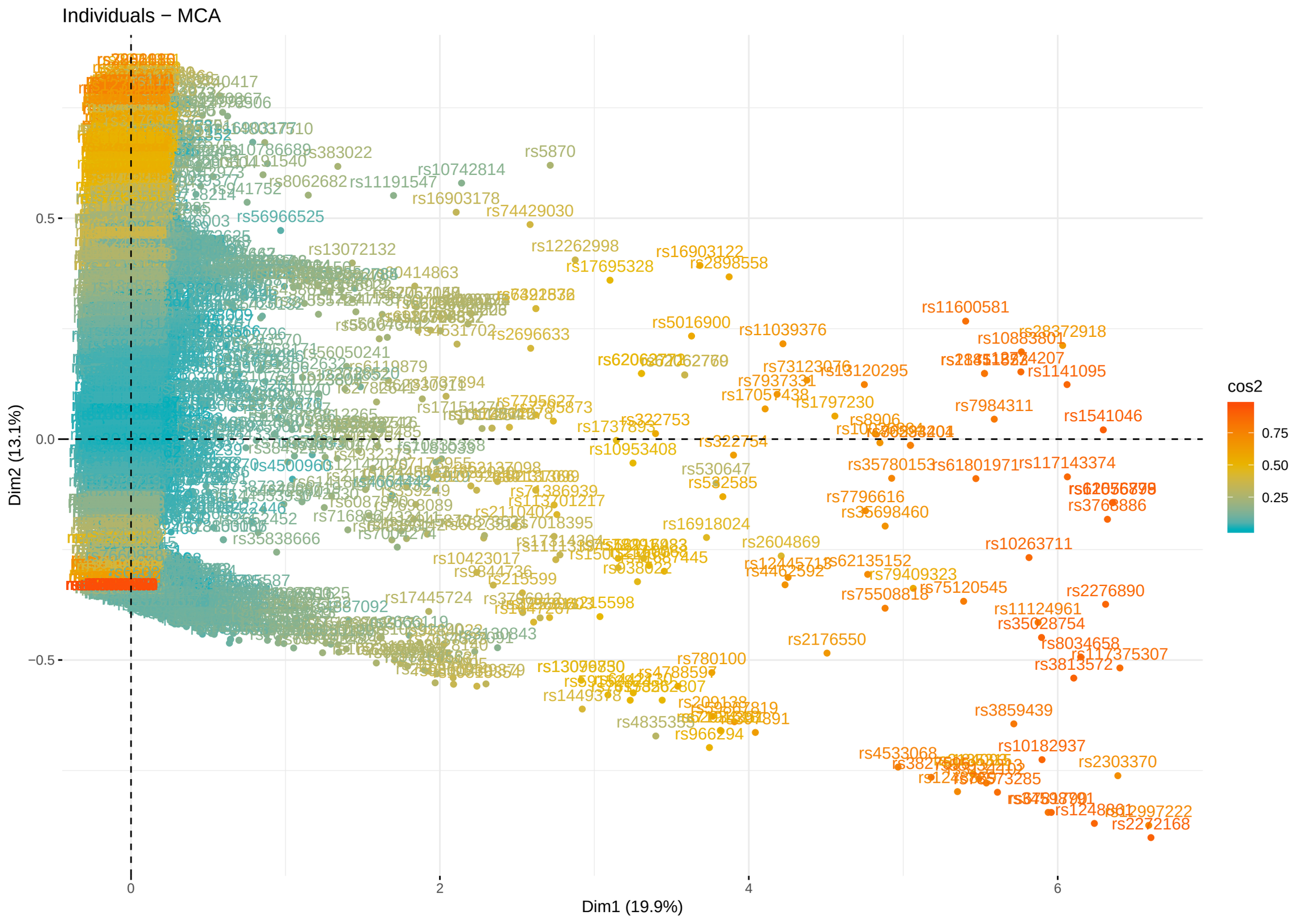

Scree plot
Percentage of explained variances
Dimensions
0
10
20
30
40
1
2
3
4
5
6
7
8
9
10
19.9%
13.1%
5.9%
4.7%
4.4%
2.9%
2.1%
1.9%
1.8%
1.6%


MCA − Biplot
Dim1 (19.9%)
Dim2 (13.1%)
1.0
0.5
0.0
−0.5
−1.0
0.0
2.5
5.0
7.5
10.0
rs5870
rs10742814
rs16903178
rs74429030
rs12262998
rs16903122
rs2898558
rs13072132
rs11600581
rs5016900
rs11039376
rs28372918
rs1141095
rs7984311
rs1541046
rs10953408
rs322754
rs530647
rs532585
rs7796616
rs35698460
rs3768886
rs16918024
rs2604869
rs10263711
rs2276890
rs11124961
rs35028754
rs2176550
rs780100
rs3859439
rs10182937
rs2303370
rs2272168

Variables − MCA
Endothelial_Cells_str_snRNAseq
Ependymal_Cells_str_snRNAseq
Microglia_str_snRNAseq
Glia_Cells_str_snRNAseq
D1_MSN_Olfactory_Tubercle_str_snRNAseq
Mural_Cells_str_snRNAseq
OPC_str_snRNAseq
LAMP5_Interneurons_str_snRNAseq
Neuronal_up_str_snRNAseq
CCK_VIP_Interneurons_str_snRNAseq
D1_MSN_NUDAP_str_snRNAseq
PTHLH_Interneurons_str_snRNAseq
Oligodendrocytes_str_snRNAseq
Astrocytes_str_snRNAseq
Cholinergic_Interneurons_str_snRNAseq
NPY_SST_Interneurons_str_snRNAseq
TH_Interneurons_str_snRNAseq
D2_MSNs_str_snRNAseq
CCK_Interneurons_str_snRNAseq
Interneuron_str_snRNAseq
MSNs_str_snRNAseq
TAC3_Interneurons_str_snRNAseq
SST_Interneurons_str_snRNAseq
Glia_dlpfc_fansH3K27ac
D1_MSNs_str_snRNAseq
In_occ_scTHS
Microglia_dlpfc_fansH3K27ac
Non_neuronal_up_str_snRNAseq
Ex_occ_scTHS
M1PVneg_ctx_intactATACseq
NeuN+_STC_fansATACseq
NeuN−_DLPFC_fansATACseq
bulk_CortexUp_ATACseq
SST_ctx_intactATACseq
NeuN+_INS_fansATACseq
NeuN+_PMC_fansATACseq
NeuN−_AMY_fansATACseq
NeuN+_VLPFC_fansATACseq
ExL56_occ_scTHS
Mic_occ_scTHS
EXC_ctx_intactATACseq
InA_occ_scTHS
Neuron_dlpfc_fansH3K27ac
NeuN−_NAC_fansATACseq
NeuN−_VLPFC_fansATACseq
NeuN−_OFC_fansATACseq
PV_ctx_intactATACseq
NeuN+_AMY_fansATACseq
NeuN−_INS_fansATACseq
bulk_StriatumUp_ATACseq
NeuN+_HIPP_fansATACseq
ExL23_occ_scTHS
NeuN+_NAC_fansATACseq
NeuN+_ITC_fansATACseq
NeuN−_PUT_fansATACseq
NeuN+_PUT_fansATACseq
NeuN+_ACC_fansATACseq
InB_occ_scTHS
Dim2 (13.1%)
Dim1 (19.9%)
0.0
0.2
0.4
0.6
0.8


Variable categories − MCA
Astrocytes_str_snRNAseq_TRUE
Ependymal_Cells_str_snRNAseq_TRUE
OPC_str_snRNAseq_TRUE
Glia_Cells_str_snRNAseq_TRUE
Oligodendrocytes_str_snRNAseq_TRUE
Microglia_str_snRNAseq_TRUE
Mural_Cells_str_snRNAseq_TRUE
Interneuron_str_snRNAseq_TRUE
D2_MSNs_str_snRNAseq_TRUE
Endothelial_Cells_str_snRNAseq_TRUE
InB_occ_scTHS_TRUE
PTHLH_Interneurons_str_snRNAseq_TRUE
Neuronal_up_str_snRNAseq_TRUE
NPY_SST_Interneurons_str_snRNAseq_TRUE
D1_MSNs_str_snRNAseq_TRUE
Cholinergic_Interneurons_str_snRNAseq_TRUE
D1_MSN_Olfactory_Tubercle_str_snRNAseq_TRUE
CCK_Interneurons_str_snRNAseq_TRUE
LAMP5_Interneurons_str_snRNAseq_TRUE
SST_Interneurons_str_snRNAseq_TRUE
MSNs_str_snRNAseq_TRUE
TAC3_Interneurons_str_snRNAseq_TRUE
D1_MSN_NUDAP_str_snRNAseq_TRUE
Microglia_dlpfc_fansH3K27ac_TRUE
InA_occ_scTHS_TRUE
NeuN+_VLPFC_fansATACseq_FALSE
Neuron_dlpfc_fansH3K27ac_TRUE
In_occ_scTHS_TRUE
NeuN+_OFC_fansATACseq_FALSE
M1PVneg_ctx_intactATACseq_FALSE
NeuN−_DLPFC_fansATACseq_FALSE
NeuN−_PUT_fansATACseq_FALSE
NeuN−_
In_occ_scTHS_FALSE
Ex_occ_scTHS_FALSE
Neuron_dlpfc_fansH3K27ac_FALSE
Glia_dlpfc_fansH3K27ac_FALSE
SST_Interneurons_str_snRNAseq_FALSE
CCK_Interneurons_str_snRNAseq_FALSE
NPY_SST_Interneurons_str_snRNAseq_FALSE
Cholinergic_Interneurons_str_snRNAseq_FALSE
PTHLH_Interneurons_str_snRNAseq_FALSE
CCK_VIP_Interneurons_str_snRNAseq_FALSE
Neuronal_up_str_snRNAseq_FALSE
LAMP5_Interneurons_str_snRNAseq_FALSE
D1_MSN_Olfactory_Tubercle_str_snRNAseq_FALSE
Endothelial_Cells_str_snRNAseq_FALSE
ExL56_occ_scTHS_TRUE
EXC_ctx_intactATACseq_FALSE
NeuN−_ACC_fansATACseq_FALSE
ExL4_occ_scTHS_TRUE
M1PVpos_ctx_intactATACseq_FALSE
NeuN+_HIPP_fansATACseq_FALSE
Ex_occ_scTHS_TRUE
bulk_StriatumUp_ATACseq_TRUE
Ast_occ_scTHS_FALSE
ExL6_occ_scTHS_FALSE
ExL56_occ_scTHS_FALSE
Mic_occ_scTHS_FALSE
Opc_occ_scTHS_FALSE
NeuN+_MDT_fansATACseq_FALSE
NeuN+_DLPFC_fansATACseq_FALSE
NeuN+_PUT_fansATACseq_FALSE
D1_MSNs_str_snRNAseq_FALSE
Interneuron_str_snRNAseq_FALSE
TAC3_Interneurons_str_snRNAseq_FALSE
Neuronal_up_str_snRNAseq_FALSE
Oligodendrocytes_str_snRNAseq_FALSE
Ependymal_Cells_str_snRNAseq_FALSE
Microglia_str_snRNAseq_FALSE
Glia_Cells_str_snRNAseq_FALSE
OPC_str_snRNAseq_FALSE
D1_MSN_NUDAP_str_snRNAseq_FALSE
TH_Interneurons_str_snRNAseq_FALSE
NeuN+_STC_fansATACseq_FALSE
NeuN−_OFC_fansATACseq_FALSE
NeuN+_ITC_fansATACseq_FALSE
NeuN+_PMC_fansATACseq_FALSE
End_occ_scTHS_TRUE
NeuN−_INS_fansATACseq_FALSE
NeuN+_ACC_fansATACseq_FALSE
PV_ctx_intactATACseq_FALSE
NeuN−_AMY_fansATACseq_FALSE
NeuN−_PVC_fansATACseq_FALSE
NeuN−_STC_fansATACseq_FALSE
NeuN+_NAC_fansATACseq_FALSE
VIP_ctx_intactATACseq_FALSE
NeuN+_AMY_fansATACseq_FALSE
NeuN+_MDT_fansATACseq_TRUE
SST_ctx_intactATACseq_FALSE
Mic_occ_scTHS_TRUE
ExL23_occ_scTHS_FALSE
VIP_ctx_intactATACseq_TRUE
Opc_occ_scTHS_TRUE
M1PVpos_ctx_intactATACseq_TRUE
NeuN+_DLPFC_fansATACseq_TRUE
NeuN−_PUT_fansATACseq_TRUE
NeuN−_STC_fansATACseq_TRUE
NeuN+_OFC_fansATACseq_TRUE
NeuN−_ACC_fansATACseq_TRUE
NeuN+_PVC_fansATACseq_TRUE
NeuN+_INS_fansATACseq_TRUE
NeuN−_ITC_fansATACseq_TRUE
NeuN−_PVC_fansATACseq_TRUE
NeuN+_HIPP_fansATACseq_TRUE
NeuN−_INS_fansATACseq_TRUE
NeuN−_NAC_fansATACseq_TRUE
SST_ctx_intactATACseq_TRUE
NeuN+_AMY_fansATACseq_TRUE
1.0
0.5
0.0
−0.5
0.0
2.5
5.0
7.5
10.0
Dim2 (13.1%)
Dim1 (19.9%)

Variable categories − MCA
Astrocytes_str_snRNAseq_TRUE
Ependymal_Cells_str_snRNAseq_TRUE
OPC_str_snRNAseq_TRUE
Oligodendrocytes_str_snRNAseq_TRUE
Glia_Cells_str_snRNAseq_TRUE
Microglia_str_snRNAseq_TRUE
Mural_Cells_str_snRNAseq_TRUE
Endothelial_Cells_str_snRNAseq_TRUE
InB_occ_scTHS_TRUE
Non_neuronal_up_str_snRNAseq_TRUE
D1_MSNs_str_snRNAseq_TRUE
LAMP5_Interneurons_str_snRNAseq_TRUE
CCK_Interneurons_str_snRNAseq_TRUE
TAC3_Interneurons_str_snRNAseq_TRUE
D1_MSN_NUDAP_str_snRNAseq_TRUE
MSNs_str_snRNAseq_TRUE
Microglia_dlpfc_fansH3K27ac_TRUE
ExL4_occ_scTHS_TRUE
Glia_dlpfc_fansH3K27ac_TRUE
InA_occ_scTHS_TRUE
Neuron_dlpfc_fansH3K27ac_TRUE
NeuN+_VLPFC_fansATACseq_FALSE
NeuN+_OFC_fansATACseq_FALSE
In_occ_scTHS_TRUE
End_occ_scTHS_TRUE
M1PVneg_ctx_intactATACseq_FALSE
EXC_ctx_intactATACseq_FALSE
NeuN+_PMC_fansATACseq_FALSE
NeuN−_MDT_fansATACseq_FALSE
Oli_occ_scTHS_TRUE
NeuN+_MDT_fansATACseq_TRUE
In_occ_scTHS_FALSE
Opc_occ_scTHS_FALSE
Ast_occ_scTHS_FALSE
bulk_StriatumUp_ATACseq_TRUE
Mic_occ_scTHS_TRUE
InB_occ_scTHS_FALSE
Mic_occ_scTHS_FALSE
End_occ_scTHS_FALSE
ExL56_occ_scTHS_FALSE
ExL23_occ_scTHS_TRUE
Microglia_dlpfc_fansH3K27ac_FALSE
ExL4_occ_scTHS_FALSE
Neuron_dlpfc_fansH3K27ac_FALSE
M1PVpos_ctx_intactATACseq_TRUE
CTXPVpos_ctx_intactATACseq_TRUE
M1PVneg_ctx_intactATACseq_TRUE
Glia_dlpfc_fansH3K27ac_FALSE
NeuN+_PUT_fansATACseq_TRUE
CCK_Interneurons_str_snRNAseq_TRUE
NeuN+_OFC_fansATACseq_TRUE
NeuN−_STC_fansATACseq_TRUE
NPY_SST_Interneurons_str_snRNAseq_TRUE
NeuN+_PVC_fansATACseq_TRUE
Cholinergic_Interneurons_str_snRNAseq_TRUE
NeuN−_ACC_fansATACseq_TRUE
OPC_str_snRNAseq_FALSE
NeuN+_INS_fansATACseq_TRUE
CCK_VIP_Interneurons_str_snRNAseq_FALSE
NeuN−_ITC_fansATACseq_TRUE
D1_MSN_NUDAP_str_snRNAseq_FALSE
NeuN−_DLPFC_fansATACseq_TRUE
Neuronal_up_str_snRNAseq_FALSE
NeuN+_VLPFC_fansATACseq_TRUE
LAMP5_Interneurons_str_snRNAseq_FALSE
NeuN−_AMY_fansATACseq_TRUE
Endothelial_Cells_str_snRNAseq_FALSE
contrib
2.0
1.5
1.0
0.5
1.0
0.5
0.0
−0.5
0.0
2.5
5.0
7.5
10.0
Dim2 (13.1%)
Dim1 (19.9%)


Individuals − MCA
Dim1 (19.9%)
Dim2 (13.1%)
cos2
0.75
0.50
0.25
0.5
0.0
−0.5
0
2
4
6
rs5870
rs10742814
rs11191547
rs8062682
rs16903178
rs74429030
rs56966525
rs13072132
rs12262998
rs17695328
rs16903122
rs2898558
rs11600581
rs5016900
rs11039376
rs2696633
rs28372918
rs1141095
rs7984311
rs1541046
rs1797230
rs322753
rs322754
rs10953408
rs530647
rs532585
rs35780153
rs61801971
rs117143374
rs7796616
rs35698460
rs3768886
rs16918024
rs2604869
rs10263711
rs62135152
rs79409323
rs75120545
rs75508818
rs2276890
rs11124961
rs35028754
rs2176550
rs8034658
rs117375307
rs3813572
rs780100
rs3859439
rs10182937
rs2303370
rs4533068
rs966294
rs4835355
rs1449378
rs17445724
rs35838666
rs10423017
rs215599
rs2110402
rs7018395
rs113701217
rs71386939
rs7795627
rs1737893
rs7937331
rs17057438
rs13120295
rs10883801
rs1248861
rs12997222
rs2272168