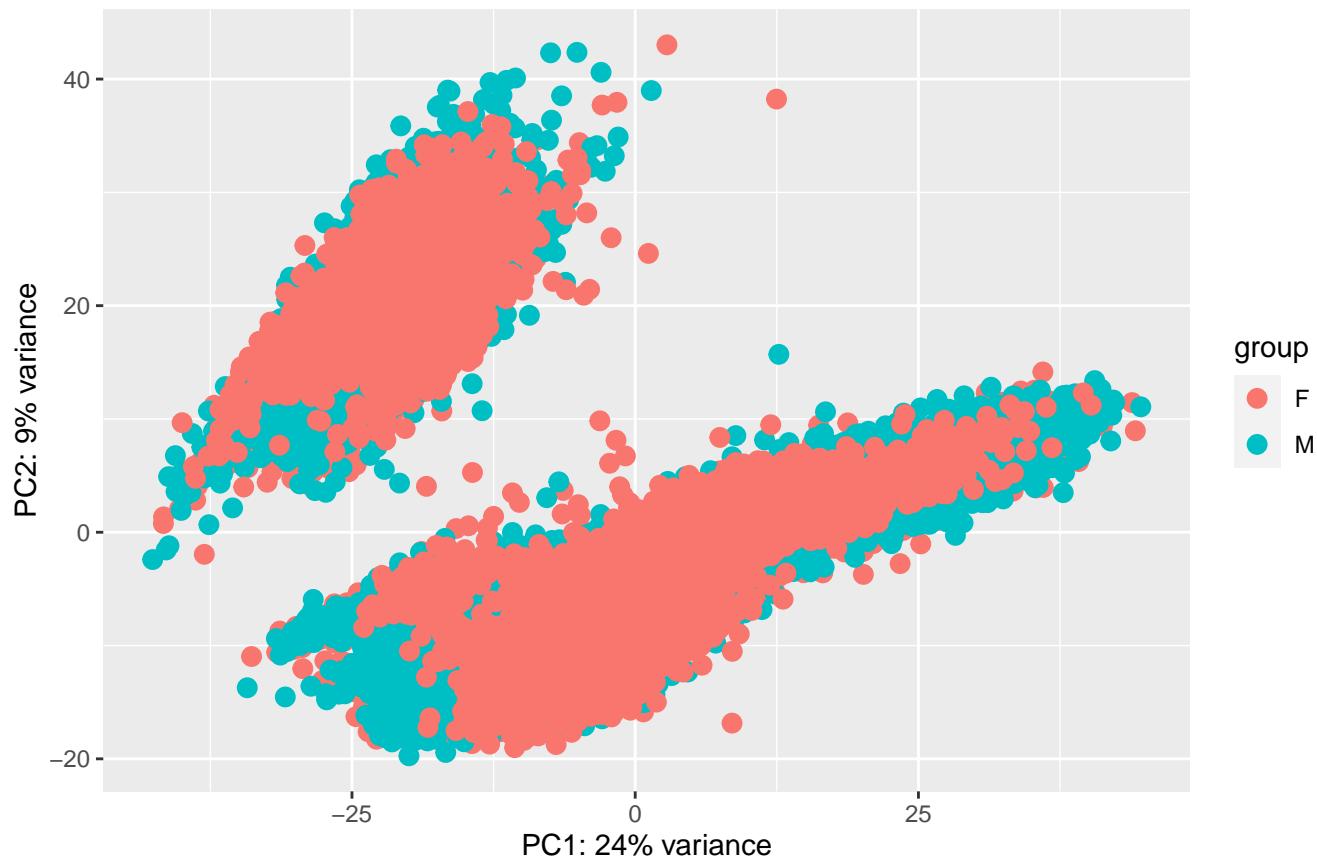


Top 500 variable genes,  
colored by condition

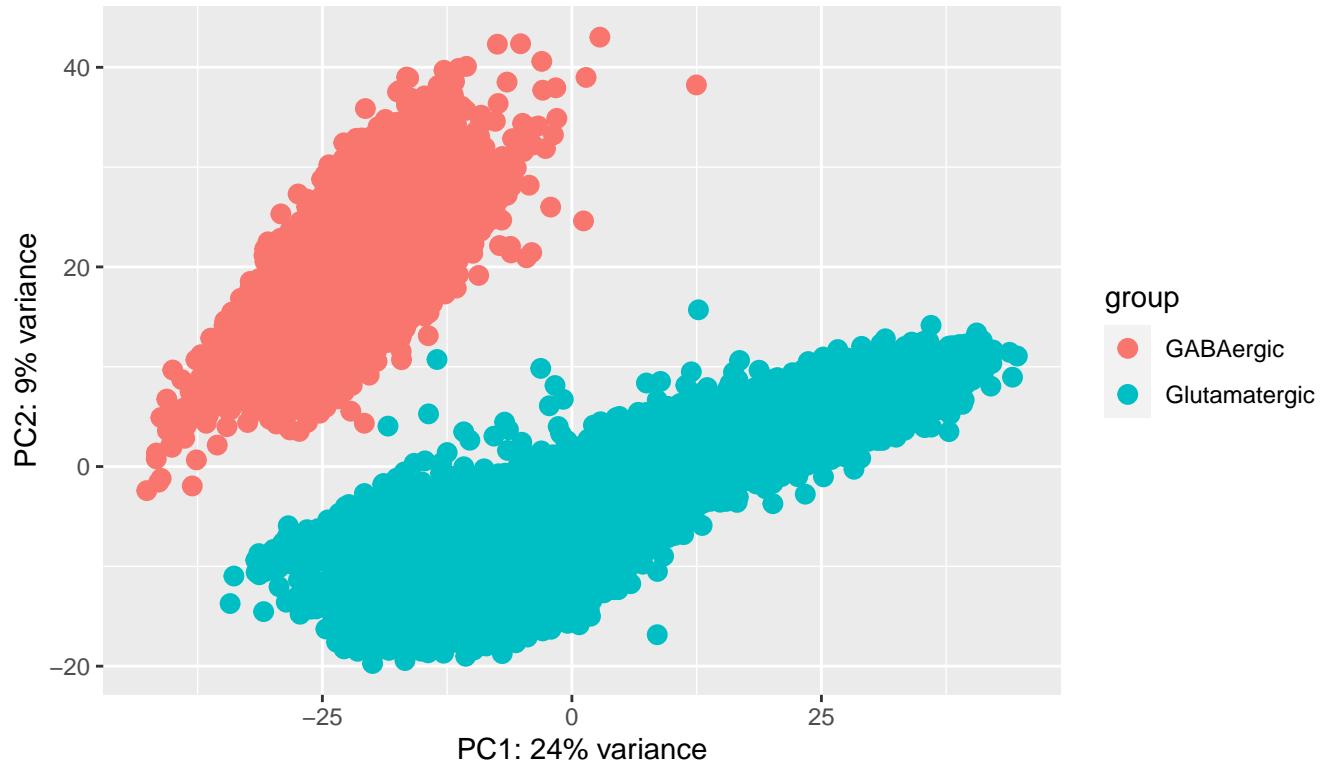


_01_F01	● TTTGTTGCATCCTGTC-LKTX_190129_01_G01	● TTTGTTGTCTAGAAC-LKTX_190129_01_E01
9_01_F01	● TTTGTTGCATGTCAGT-LKTX_190130_01_G01	● TTTGTTGTCTCATTGT-LKTX_190129_01_F01
9_01_E01	● TTTGTTGGTATGCTTG-LKTX_190130_01_C01	● TTTGTTGTCTGGATG-LKTX_190130_01_E01
0_01_B01	● TTTGTTGGTCAGCGTC-LKTX_190129_01_D01	
0_01_B01	● TTTGTTGGTCATCTAG-LKTX_190130_01_B01	
0_01_F01	● TTTGTTGGTCGGTGAA-LKTX_190130_01_E01	
_01_F01	● TTTGTTGGTCTACATG-LKTX_190130_01_E01	
0_01_F01	● TTTGTTGGTCTTCAT-LKTX_190129_01_F01	
9_01_D01	● TTTGTTGGTGAGACGT-LKTX_190129_01_F01	
9_01_G01	● TTTGTTGGTGCAGTGA-LKTX_190129_01_C01	
0_01_G01	● TTTGTTGGTGTATTGC-LKTX_190130_01_F01	
0_01_C01	● TTTGTTGGTTATAGAG-LKTX_190130_01_G01	
0_01_G01	● TTTGTTGGTTCGTACA-LKTX_190129_01_E01	
0_01_G01	● TTTGTTGTCACGAGGA-LKTX_190129_01_G01	
0_01_G01	● TTTGTTGTCCAACCGG-LKTX_190130_01_G01	
0_01_F01	● TTTGTTGTCGAAGAAT-LKTX_190129_01_G01	
0_01_F01	● TTTGTTGTCGCAGTTA-LKTX_190130_01_B01	
0_01_E01	● TTTGTTGTCGCTACAA-LKTX_190130_01_E01	
9_01_G01	● TTTGTTGTCGGCTTCT-LKTX_190129_01_E01	
30_01_C01	● TTTGTTGTCTACCCAC-LKTX_190130_01_E01	

Top 500 variable genes,  
colored by donor\_sex\_label



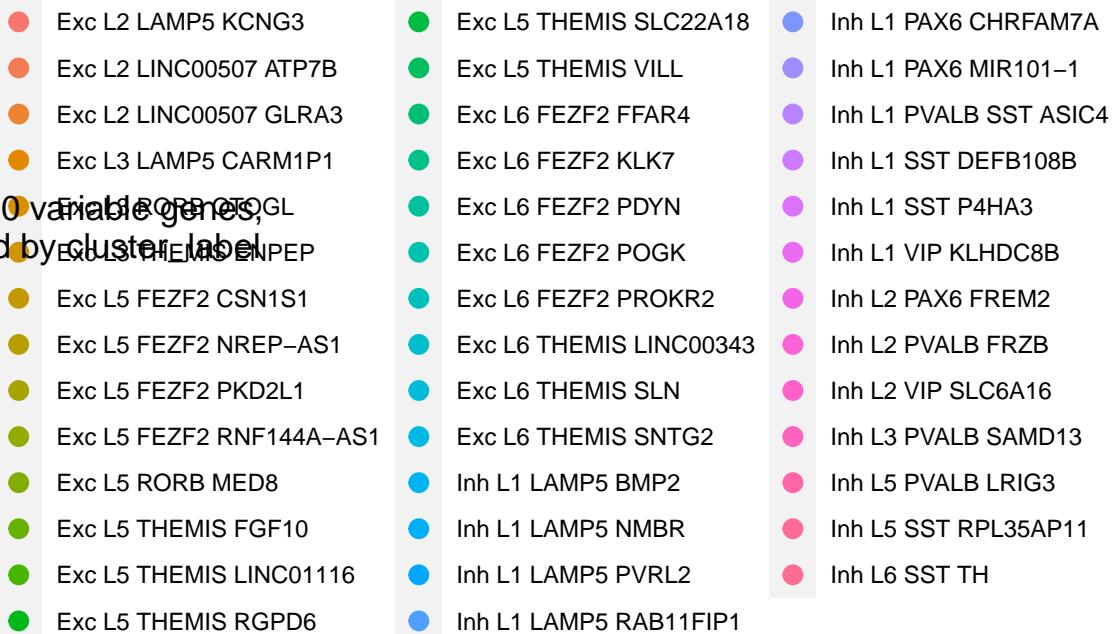
Top 500 variable genes,  
colored by class\_label



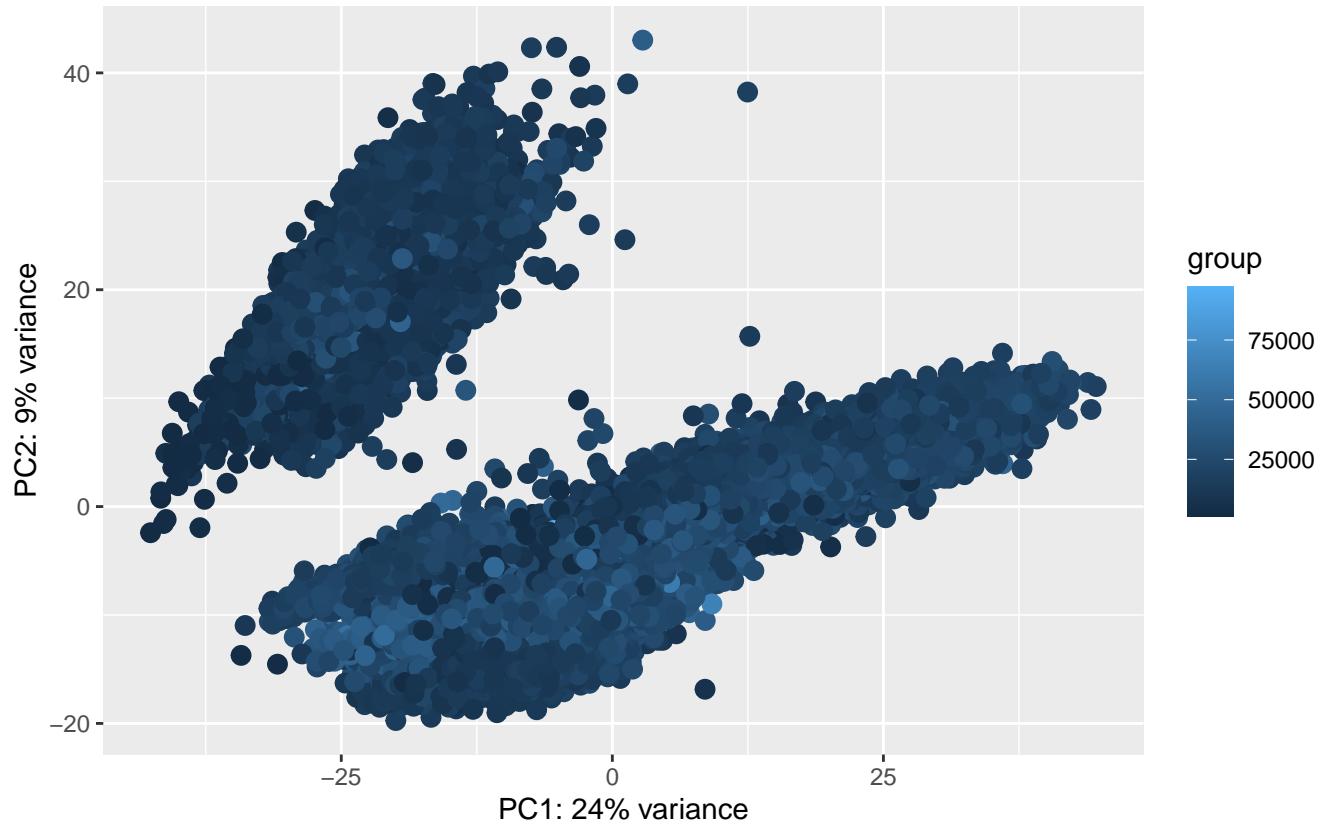
PC: 9% variance  
PC1: 24% var

Top 500 variable genes,  
colored by cluster label

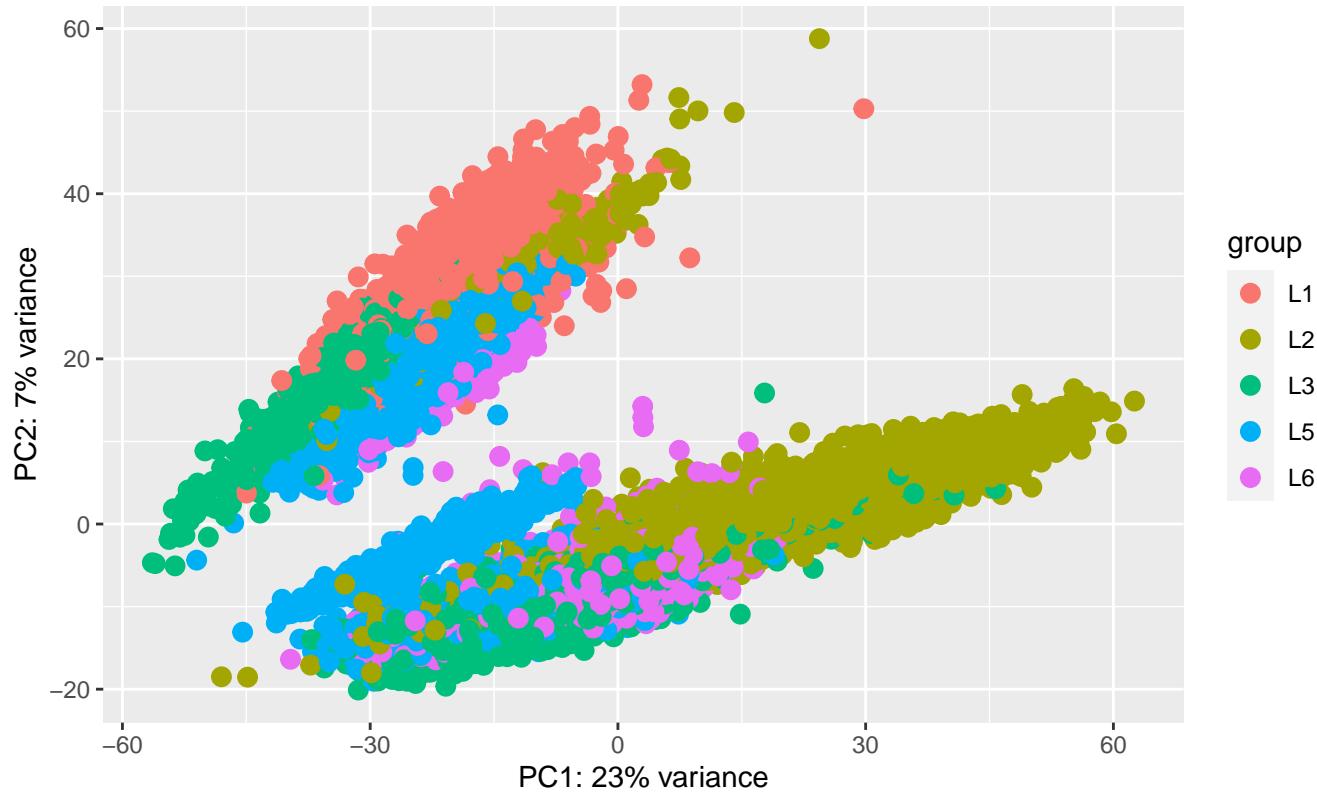
group



Top 500 variable genes,  
colored by reads\_sumAll

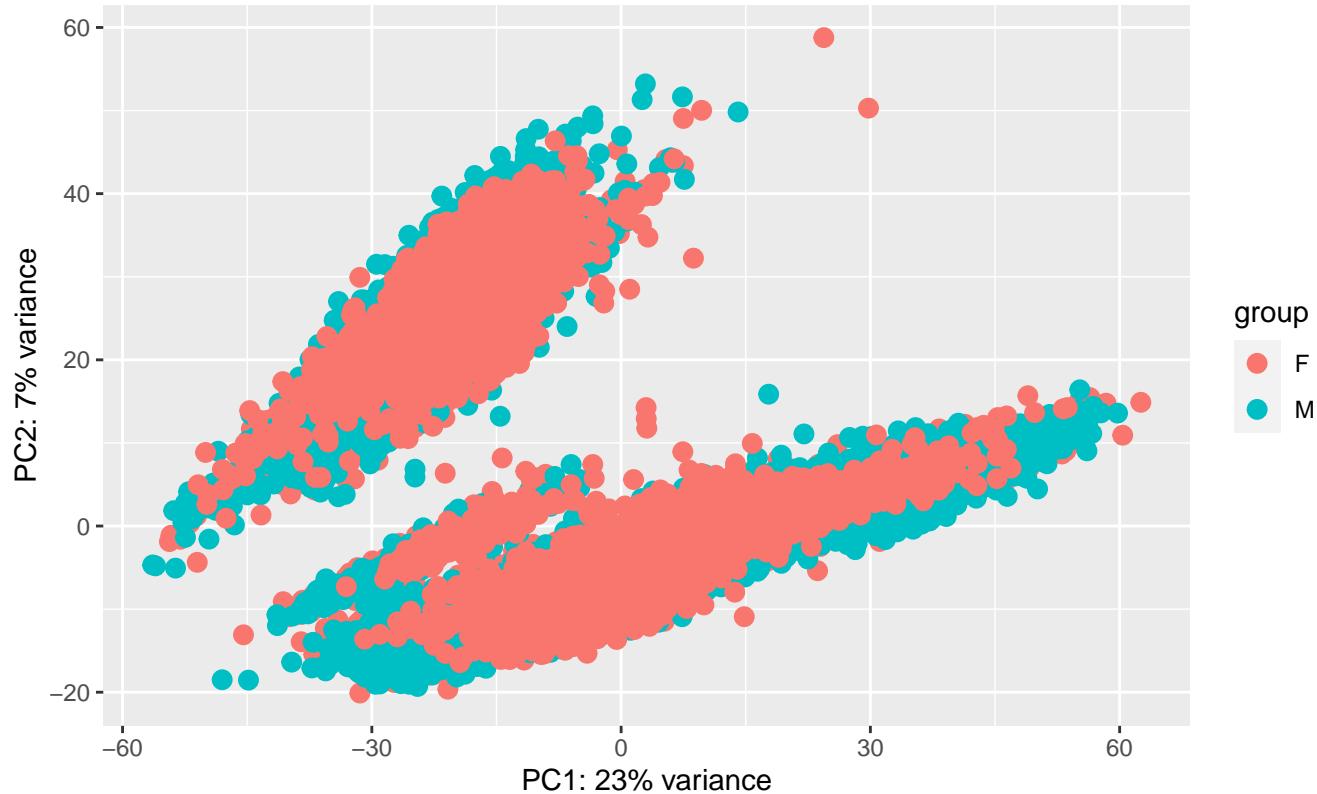


Top 1000 variable genes,  
colored by condition

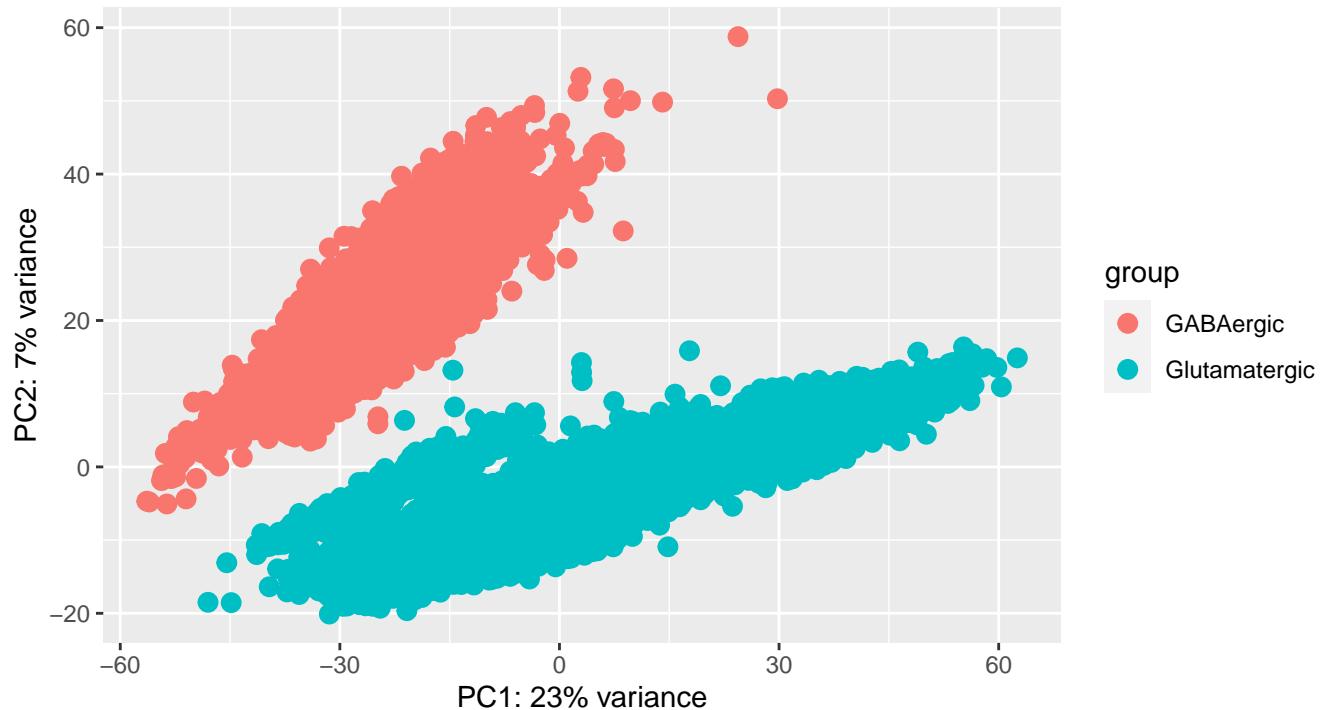


_01_F01	● TTTGTTGCATCCTGTC-LKTX_190129_01_G01	● TTTGTTGTCTAGAAC-LKTX_190129_01_E01
9_01_F01	● TTTGTTGCATGTCAGT-LKTX_190130_01_G01	● TTTGTTGTCTCATTGT-LKTX_190129_01_F01
9_01_E01	● TTTGTTGGTATGCTTG-LKTX_190130_01_C01	● TTTGTTGTCTGGATG-LKTX_190130_01_E01
0_01_B01	● TTTGTTGGTCAGCGTC-LKTX_190129_01_D01	
0_01_B01	● TTTGTTGGTCATCTAG-LKTX_190130_01_B01	
0_01_F01	● TTTGTTGGTCGGTGAA-LKTX_190130_01_E01	
_01_F01	● TTTGTTGGTCTACATG-LKTX_190130_01_E01	
0_01_F01	● TTTGTTGGTCTTCAT-LKTX_190129_01_F01	
9_01_D01	● TTTGTTGGTGAGACGT-LKTX_190129_01_F01	
9_01_G01	● TTTGTTGGTGCAGTGA-LKTX_190129_01_C01	
0_01_G01	● TTTGTTGGTGTATTGC-LKTX_190130_01_F01	
0_01_C01	● TTTGTTGGTTATAGAG-LKTX_190130_01_G01	
0_01_G01	● TTTGTTGGTTCGTACA-LKTX_190129_01_E01	
0_01_G01	● TTTGTTGTCACGAGGA-LKTX_190129_01_G01	
0_01_G01	● TTTGTTGTCCAACCGG-LKTX_190130_01_G01	
0_01_F01	● TTTGTTGTCGAAGAAT-LKTX_190129_01_G01	
0_01_F01	● TTTGTTGTCGCAGTTA-LKTX_190130_01_B01	
0_01_E01	● TTTGTTGTCGCTACAA-LKTX_190130_01_E01	
9_01_G01	● TTTGTTGTCGGCTTCT-LKTX_190129_01_E01	
30_01_C01	● TTTGTTGTCTACCCAC-LKTX_190130_01_E01	

Top 1000 variable genes,  
colored by donor\_sex\_label



Top 1000 variable genes,  
colored by class\_label



PC1: 23% variance  
PC2: 7% variance

group

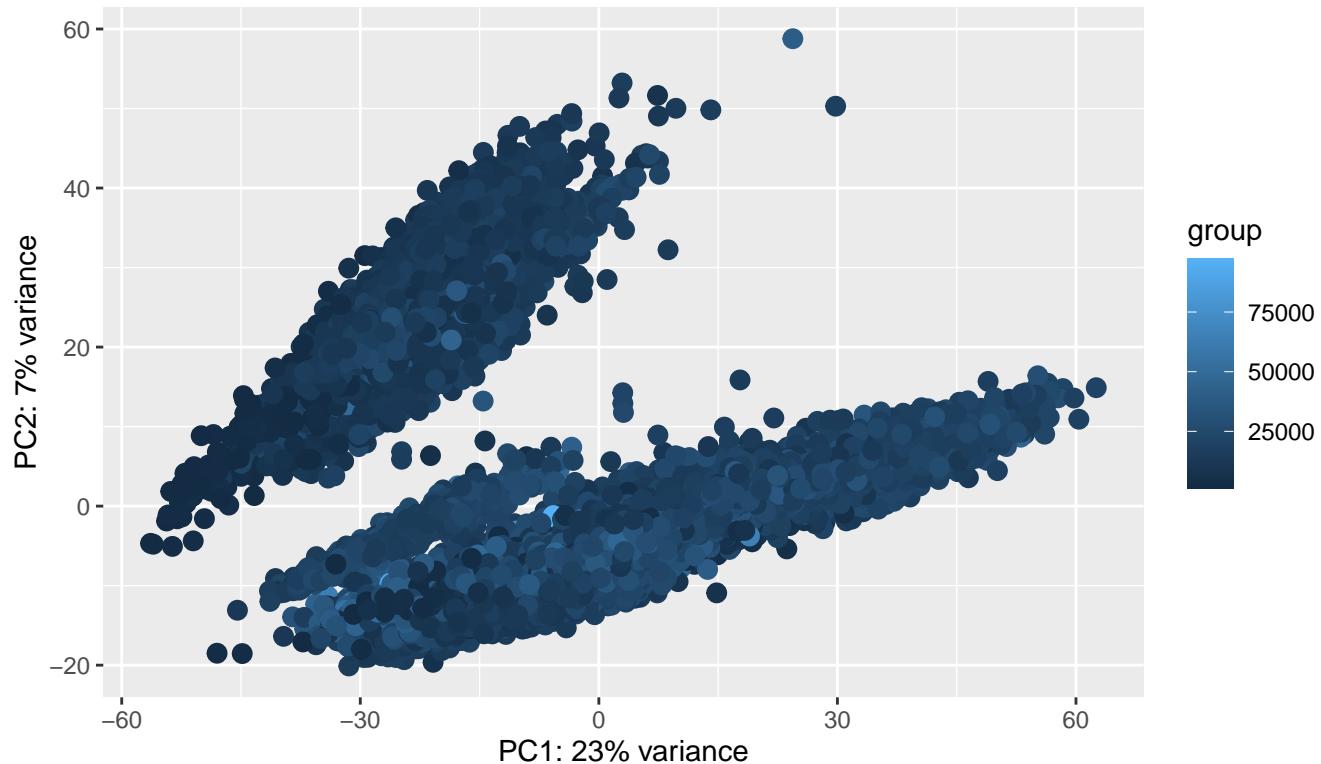
- Exc L2 LAMP5 KCNG3
- Exc L2 LINC00507 ATP7B
- Exc L2 LINC00507 GLRA3
- Exc L3 LAMP5 CARM1P1
- Exc L4 RORB OTOG NPEP
- Exc L5 FEZF2 CSN1S1
- Exc L5 FEZF2 NREP-AS1
- Exc L5 FEZF2 PKD2L1
- Exc L5 FEZF2 RNF144A-AS1
- Exc L5 RORB MED8
- Exc L5 THEMIS FGF10
- Exc L5 THEMIS LINC01116
- Exc L5 THEMIS RGPD6

- Exc L5 THEMIS SLC22A18
- Exc L5 THEMIS VILL
- Exc L6 FEZF2 FFAR4
- Exc L6 FEZF2 KLK7
- Exc L6 FEZF2 PDYN
- Exc L6 FEZF2 POGK
- Exc L6 FEZF2 PROKR2
- Exc L6 THEMIS LINC00343
- Exc L6 THEMIS SLN
- Exc L6 THEMIS SNTG2
- Inh L1 LAMP5 BMP2
- Inh L1 LAMP5 NMBR
- Inh L1 LAMP5 PVRL2
- Inh L1 LAMP5 RAB11FIP1

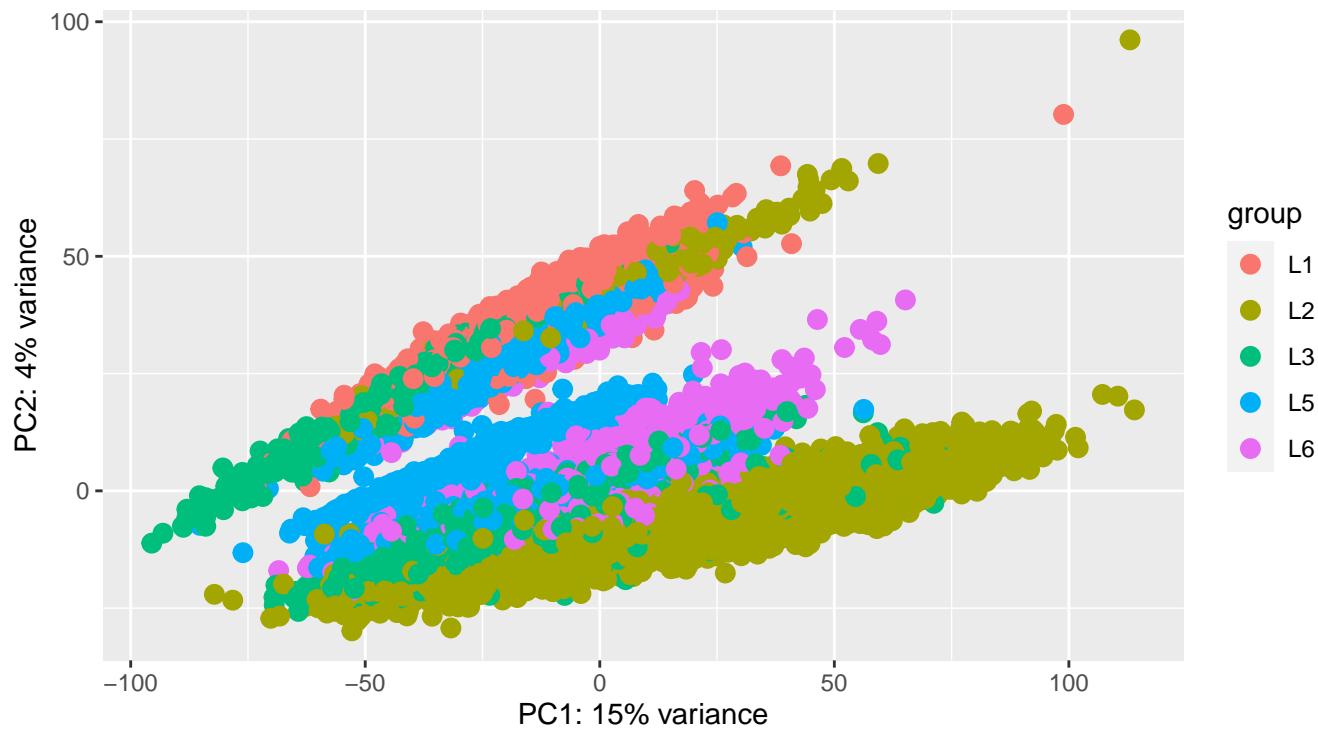
- Inh L1 PAX6 CHRFAM7A
- Inh L1 PAX6 MIR101-1
- Inh L1 PVALB SST ASIC4
- Inh L1 SST DEFB108B
- Inh L1 SST P4HA3
- Inh L1 VIP KLHDC8B
- Inh L2 PAX6 FREM2
- Inh L2 PVALB FRZB
- Inh L2 VIP SLC6A16
- Inh L3 PVALB SAMD13
- Inh L5 PVALB LRIG3
- Inh L5 SST RPL35AP11
- Inh L6 SST TH

Top 1000 variable genes,  
colored by cluster label

Top 1000 variable genes,  
colored by reads\_sumAll

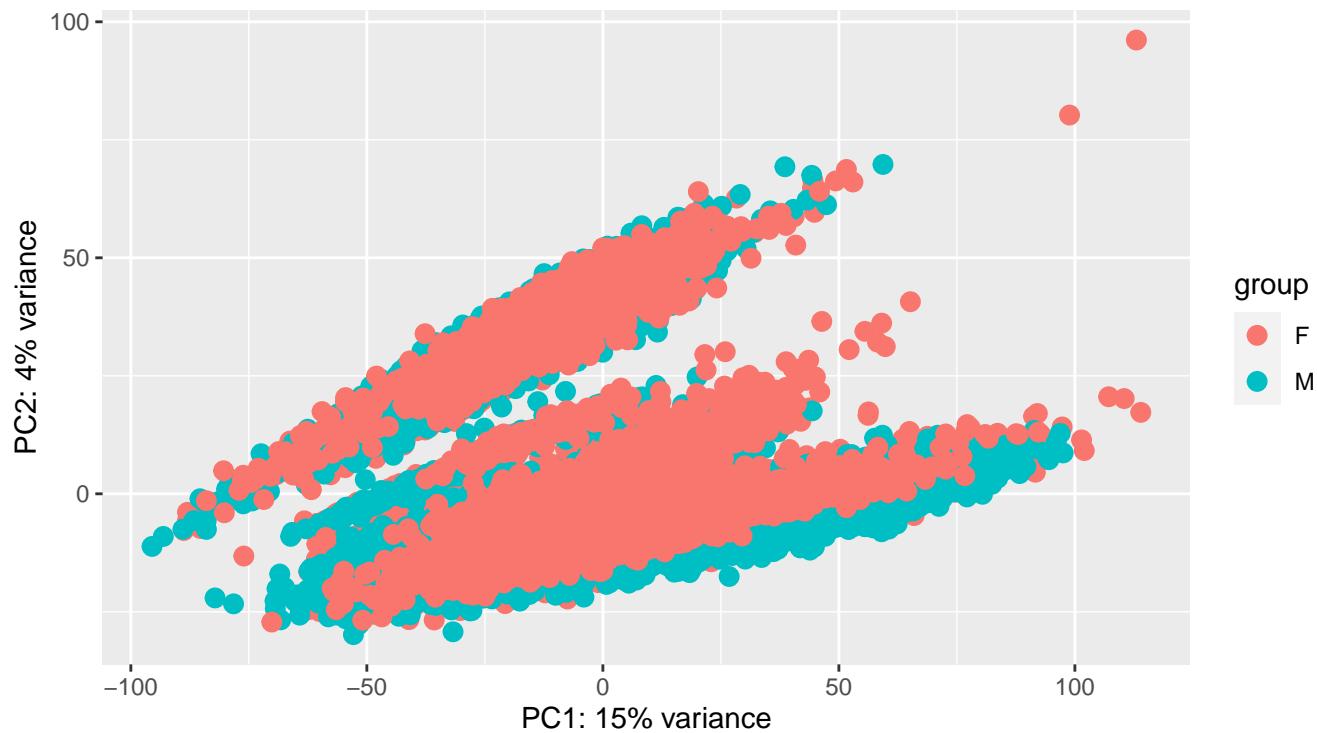


Top 5000 variable genes,  
colored by condition

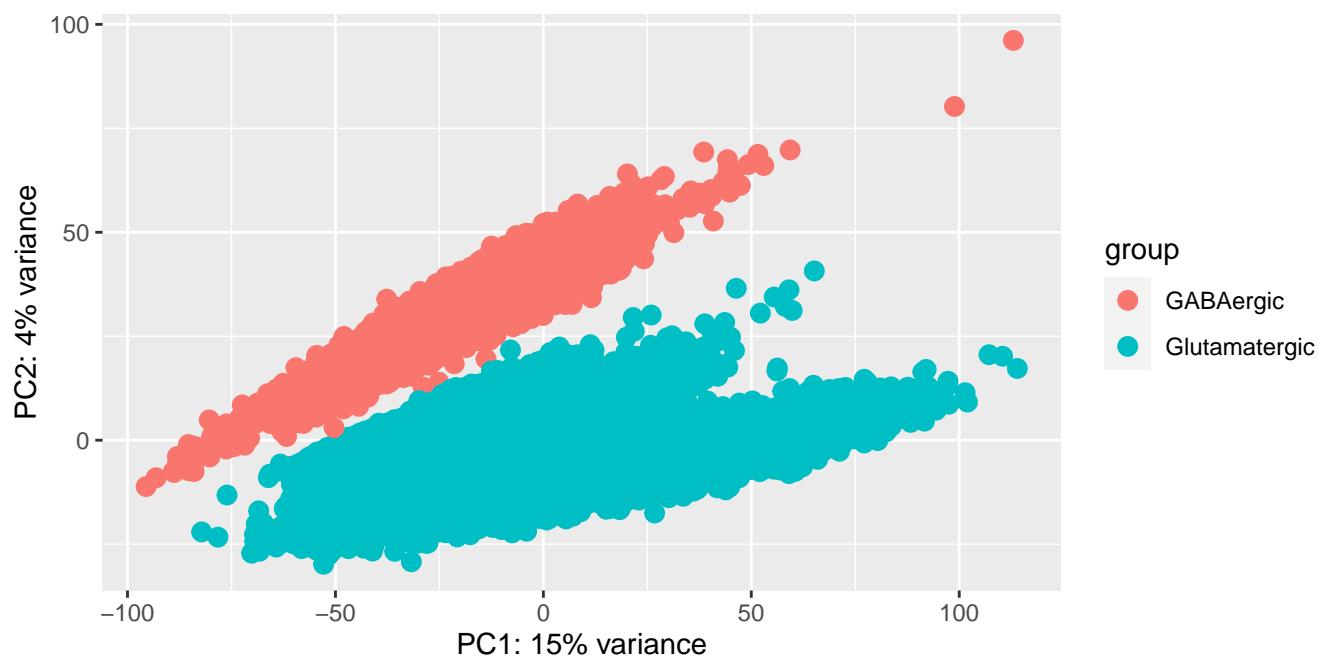


_01_F01	● TTTGTTGCATCCTGTC-LKTX_190129_01_G01	● TTTGTTGTCTAGAAC-LKTX_190129_01_E01
9_01_F01	● TTTGTTGCATGTCAGT-LKTX_190130_01_G01	● TTTGTTGTCTCATTGT-LKTX_190129_01_F01
9_01_E01	● TTTGTTGGTATGCTTG-LKTX_190130_01_C01	● TTTGTTGTCTGGATG-LKTX_190130_01_E01
0_01_B01	● TTTGTTGGTCAGCGTC-LKTX_190129_01_D01	
0_01_B01	● TTTGTTGGTCATCTAG-LKTX_190130_01_B01	
0_01_F01	● TTTGTTGGTCGGTGAA-LKTX_190130_01_E01	
_01_F01	● TTTGTTGGTCTACATG-LKTX_190130_01_E01	
0_01_F01	● TTTGTTGGTCTTCAT-LKTX_190129_01_F01	
9_01_D01	● TTTGTTGGTGAGACGT-LKTX_190129_01_F01	
9_01_G01	● TTTGTTGGTGCAGTGA-LKTX_190129_01_C01	
0_01_G01	● TTTGTTGGTGTATTGC-LKTX_190130_01_F01	
0_01_C01	● TTTGTTGGTTATAGAG-LKTX_190130_01_G01	
0_01_G01	● TTTGTTGGTTCGTACA-LKTX_190129_01_E01	
0_01_G01	● TTTGTTGTCACGAGGA-LKTX_190129_01_G01	
0_01_G01	● TTTGTTGTCCAACCGG-LKTX_190130_01_G01	
0_01_F01	● TTTGTTGTCGAAGAAT-LKTX_190129_01_G01	
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0_01_E01	● TTTGTTGTCGCTACAA-LKTX_190130_01_E01	
9_01_G01	● TTTGTTGTCGGCTTCT-LKTX_190129_01_E01	
30_01_C01	● TTTGTTGTCTACCCAC-LKTX_190130_01_E01	

Top 5000 variable genes,  
colored by donor\_sex\_label



Top 5000 variable genes,  
colored by class\_label



PC1: 15% variance  
PC2: 4% variance

Top 5000 variable genes,  
colored by cluster label

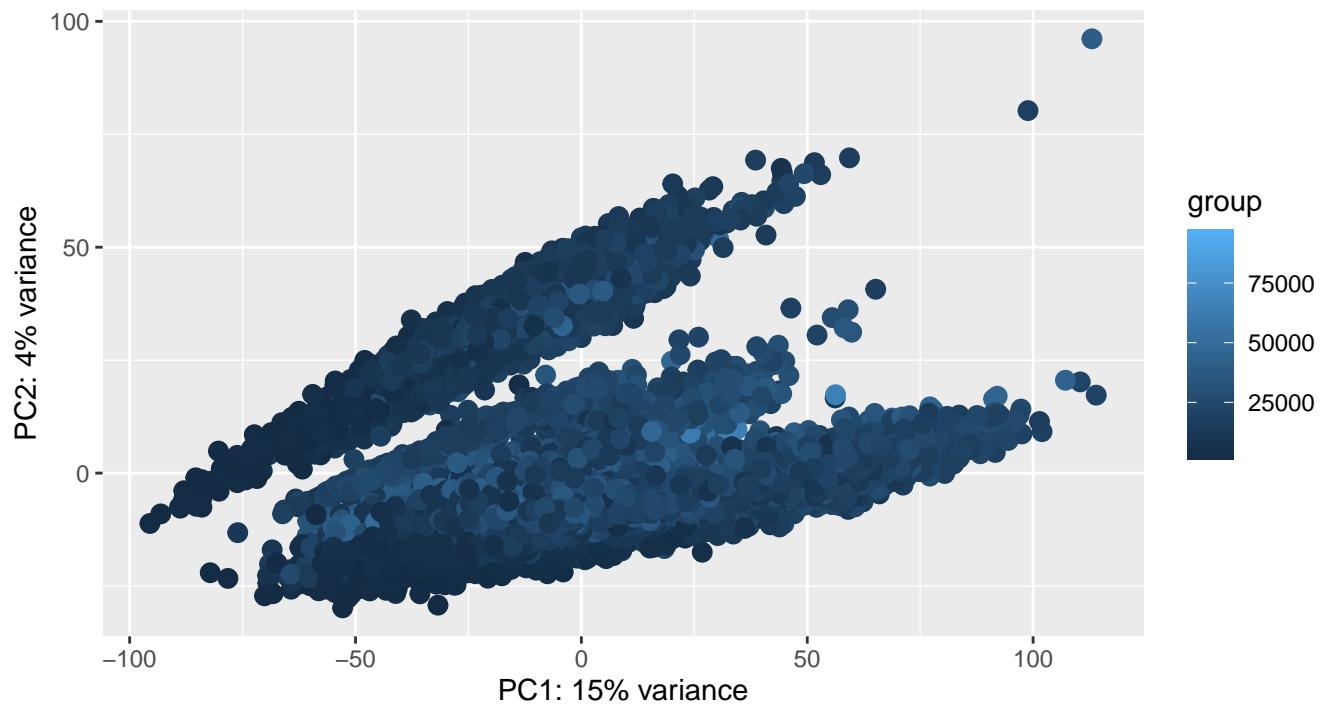
group

- Exc L2 LAMP5 KCNG3
- Exc L2 LINC00507 ATP7B
- Exc L2 LINC00507 GLRA3
- Exc L3 LAMP5 CARM1P1
- Exc L4 RORB OTOGL NPEP
- Exc L5 FEZF2 CSN1S1
- Exc L5 FEZF2 NREP-AS1
- Exc L5 FEZF2 PKD2L1
- Exc L5 FEZF2 RNF144A-AS1
- Exc L5 RORB MED8
- Exc L5 THEMIS FGF10
- Exc L5 THEMIS LINC01116
- Exc L5 THEMIS RGPD6

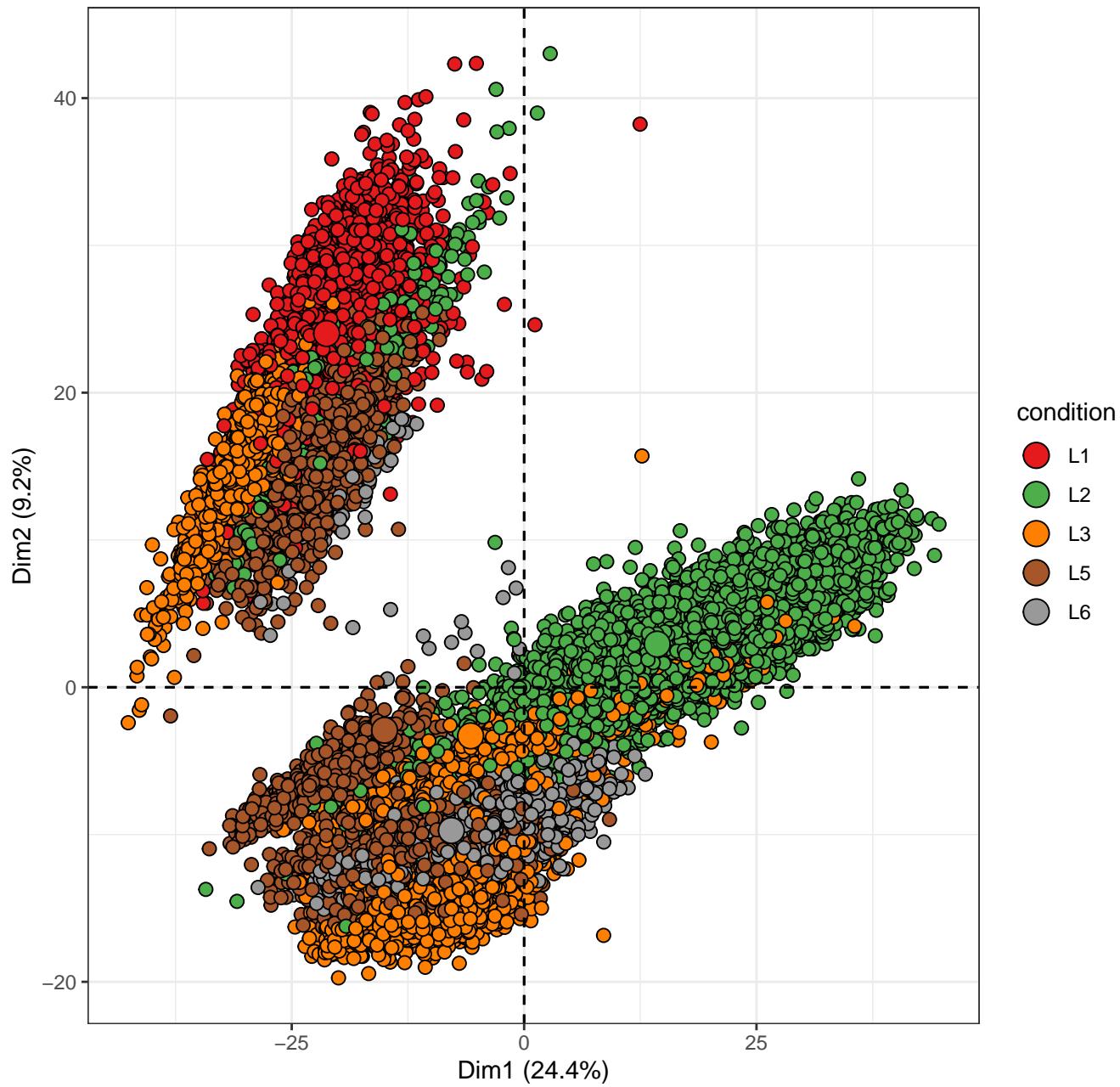
- Exc L5 THEMIS SLC22A18
- Exc L5 THEMIS VILL
- Exc L6 FEZF2 FFAR4
- Exc L6 FEZF2 KLK7
- Exc L6 FEZF2 PDYN
- Exc L6 FEZF2 POGK
- Exc L6 FEZF2 PROKR2
- Exc L6 THEMIS LINC00343
- Exc L6 THEMIS SLN
- Exc L6 THEMIS SNTG2
- Inh L1 LAMP5 BMP2
- Inh L1 LAMP5 NMBR
- Inh L1 LAMP5 PVRL2
- Inh L1 LAMP5 RAB11FIP1

- Inh L1 PAX6 CHRFAM7A
- Inh L1 PAX6 MIR101-1
- Inh L1 PVALB SST ASIC4
- Inh L1 SST DEFB108B
- Inh L1 SST P4HA3
- Inh L1 VIP KLHDC8B
- Inh L2 PAX6 FREM2
- Inh L2 PVALB FRZB
- Inh L2 VIP SLC6A16
- Inh L3 PVALB SAMD13
- Inh L5 PVALB LRIG3
- Inh L5 SST RPL35AP11
- Inh L6 SST TH

Top 5000 variable genes,  
colored by reads\_sumAll

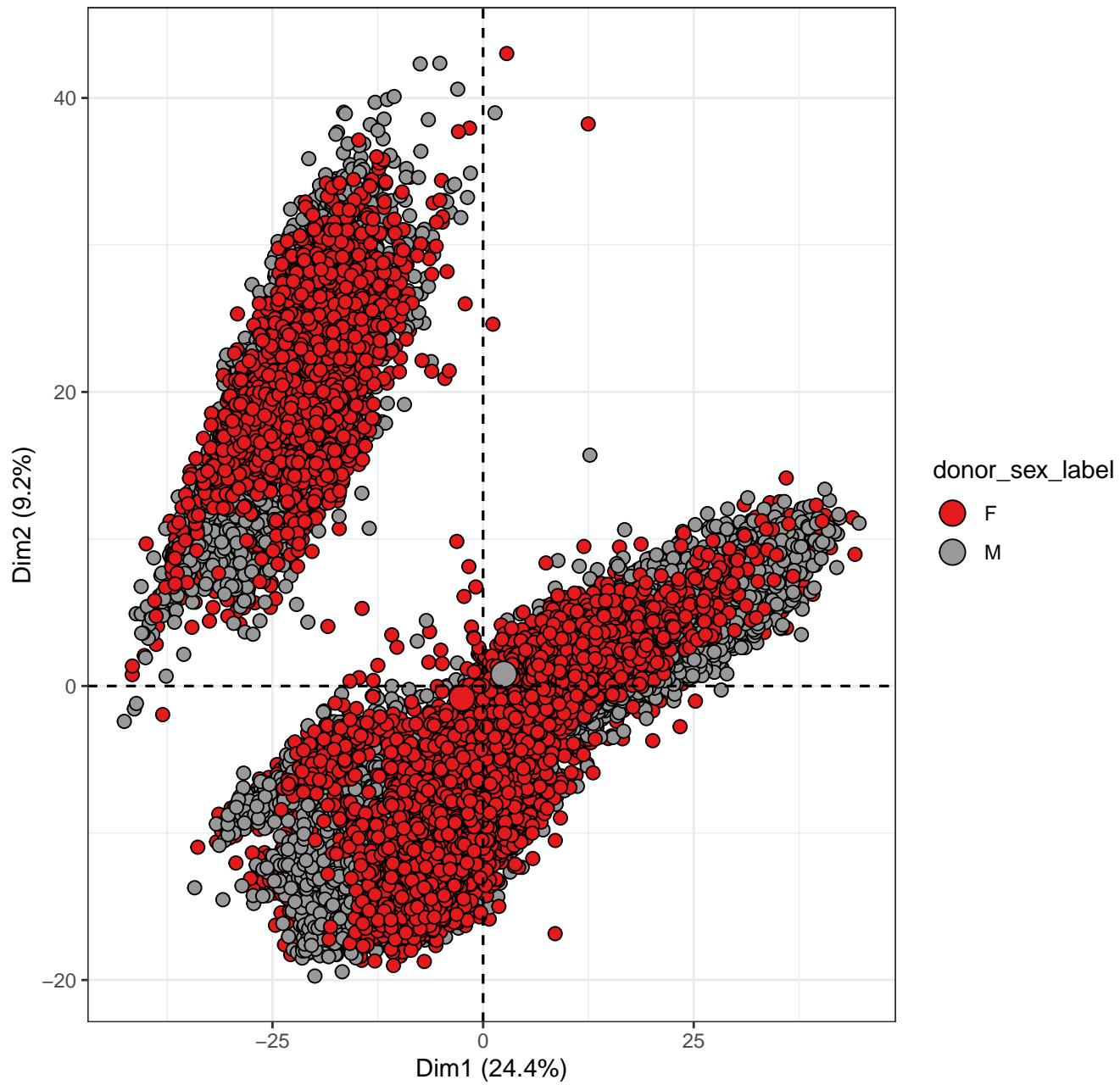


# PCA – Biplot

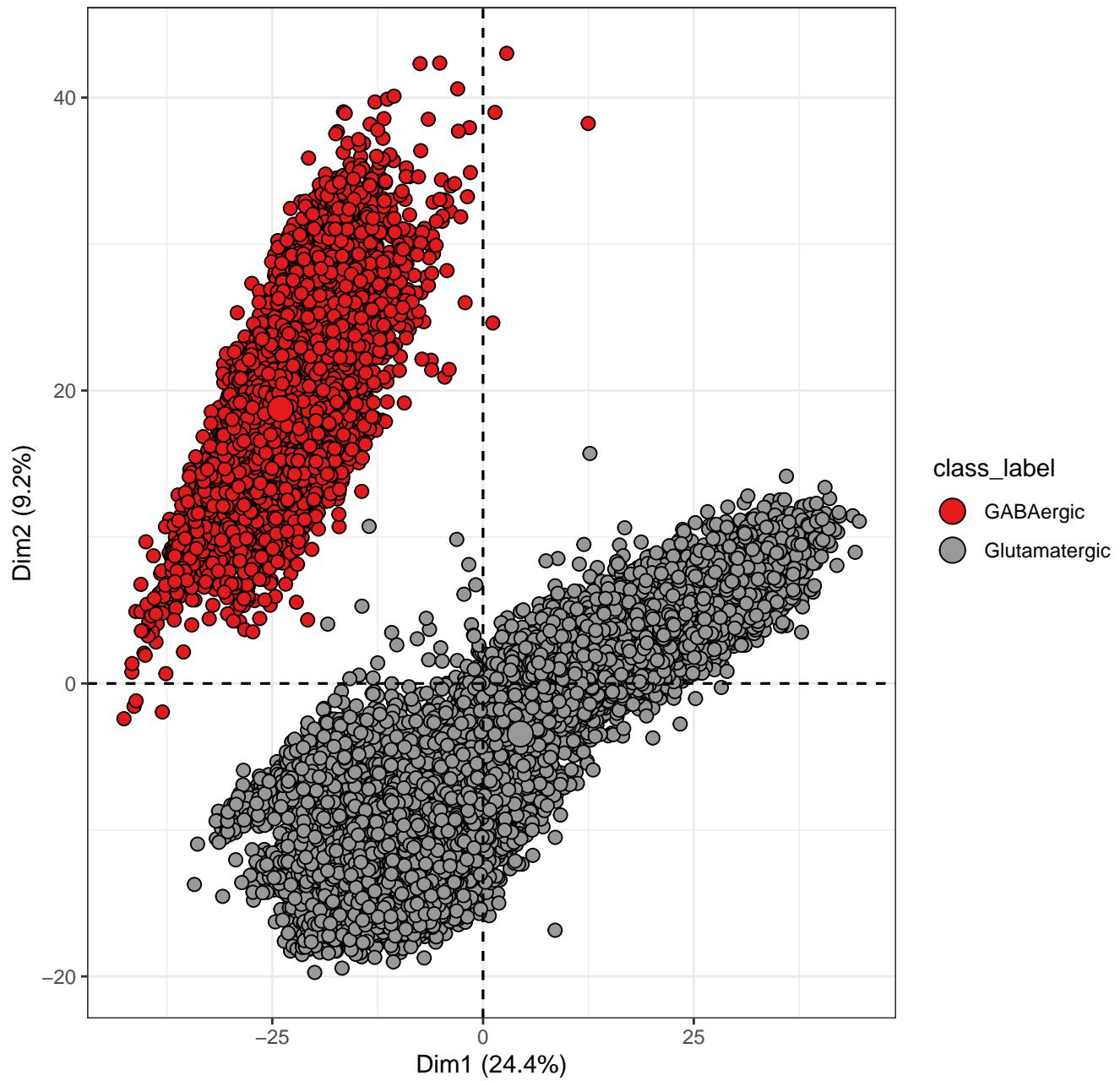




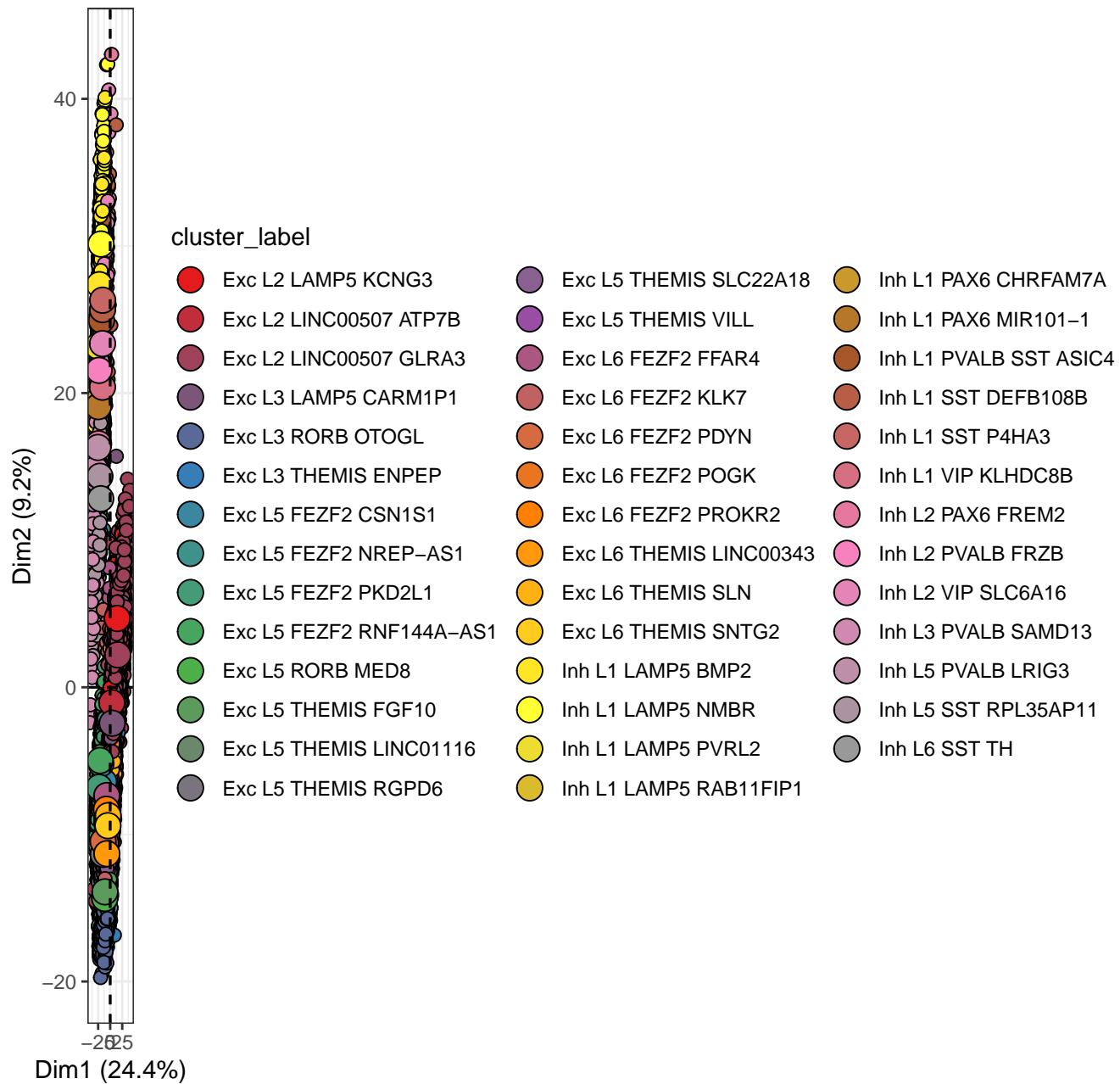
# PCA – Biplot



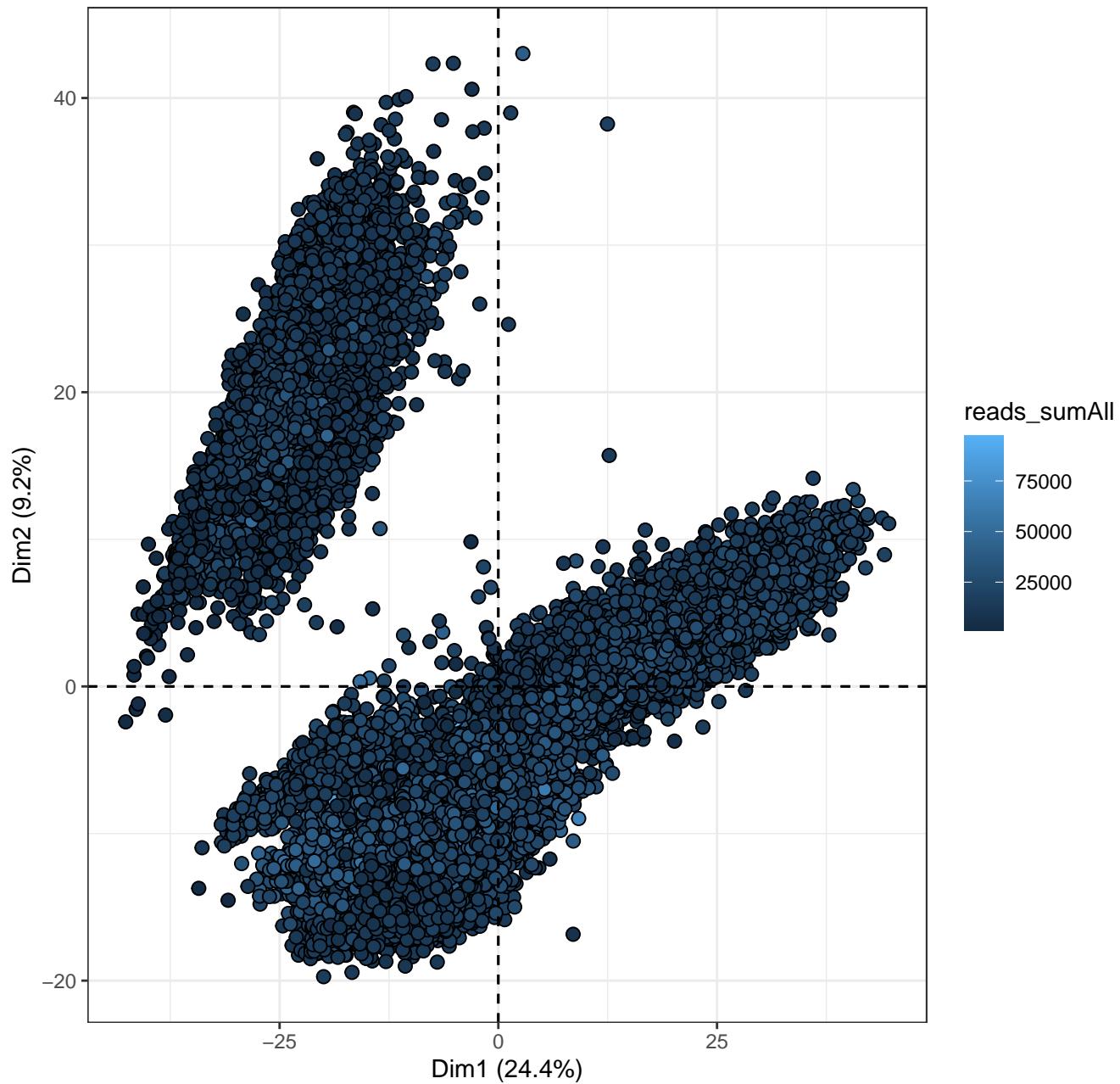
# PCA – Biplot



# PCA – Biplot



# PCA – Biplot



ACTGAT-LKTX_190130_01_A01		CTCCATGGTAAGCTCT-LKTX_190130_01_A01		CTCTCGATCCTGGGAC-LK
CGAACCA-LKTX_190130_01_A01		CTCCATGGTAGCAG-LKTX_190130_01_A01		CTCTGGTCCGCACCT-LK
ACGGAC-LKTX_190130_01_A01		CTCCATGTCAAAGGTA-LKTX_190130_01_A01		CTGAATGAGCCAGACA-LK
AGGTTAT-LKTX_190130_01_A01		CTCCCACAAAGAGTC-LKTX_190130_01_A01		CTGAATGCAGGAATAT-LK
AAAGCG-LKTX_190130_01_A01		CTCCCACATCGGAATT-LKTX_190130_01_A01		CTGAATGCAGGTTACT-LK
CTTCCC-LKTX_190130_01_A01		CTCCCTCCAGCAGACA-LKTX_190130_01_A01		CTGAATGCATTAGGCT-LK
CAACCC-LKTX_190130_01_A01		CTCCGATGTAAGTTAG-LKTX_190130_01_A01		CTGAATGGTACAGAGC-LK
ATGACT-LKTX_190130_01_A01		CTCCGATGTACTCCCT-LKTX_190130_01_A01		CTGAATGTCACTACGA-LK
ATCGC-LKTX_190130_01_A01		CTCCGATGTCGCATTA-LKTX_190130_01_A01		CTGAGCGCAGCATACT-LK
TACTGC-LKTX_190130_01_A01		CTCCTCCAGTGCACCC-LKTX_190130_01_A01		CTGAGGCCAGTCTCTC-L
GAGCG-LKTX_190130_01_A01		CTCCTTCAGAACTAA-LKTX_190130_01_A01		CTGAGGCGTAGACACG-L
TCGCC-LKTX_190130_01_A01		CTCCTTGTTAACCGC-LKTX_190130_01_A01		CTGAGGCTCCGTTCG-L
GATCGT-LKTX_190130_01_A01		CTCCTTTCTACTCAT-LKTX_190130_01_A01		CTGATCCCAGACGC-L
GAAGTA-LKTX_190130_01_A01		CTCGAGGGTCCTGTC-LKTX_190130_01_A01		CTGCAGGAGCGCTTCG-L
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CGGTTA-LKTX_190130_01_A01		CTCTCGACACAGCGCT-LKTX_190130_01_A01		CTGCCTACACATCCCT-L

