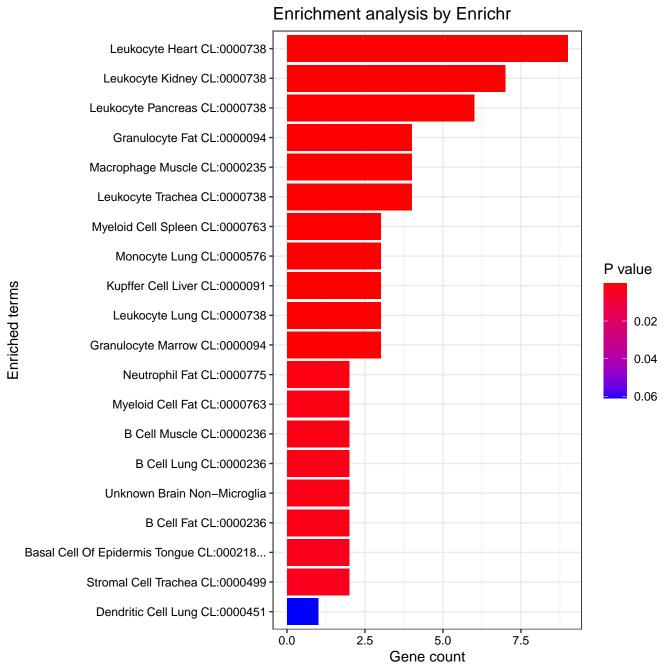
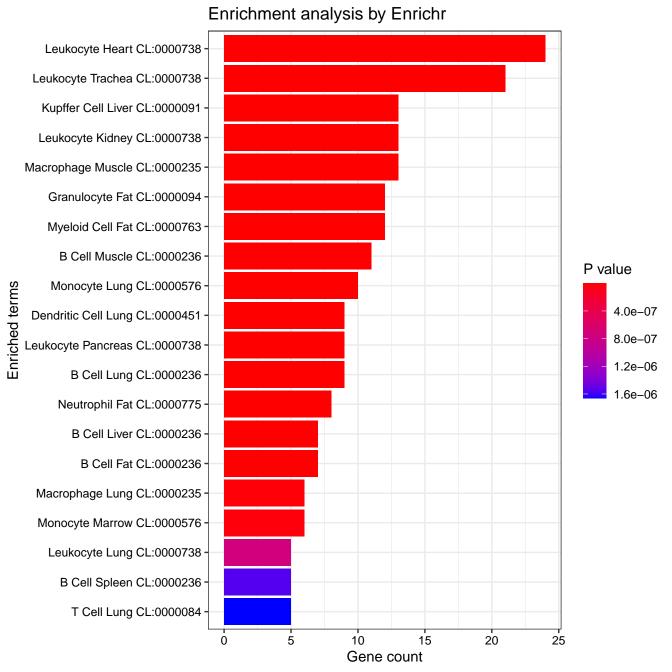
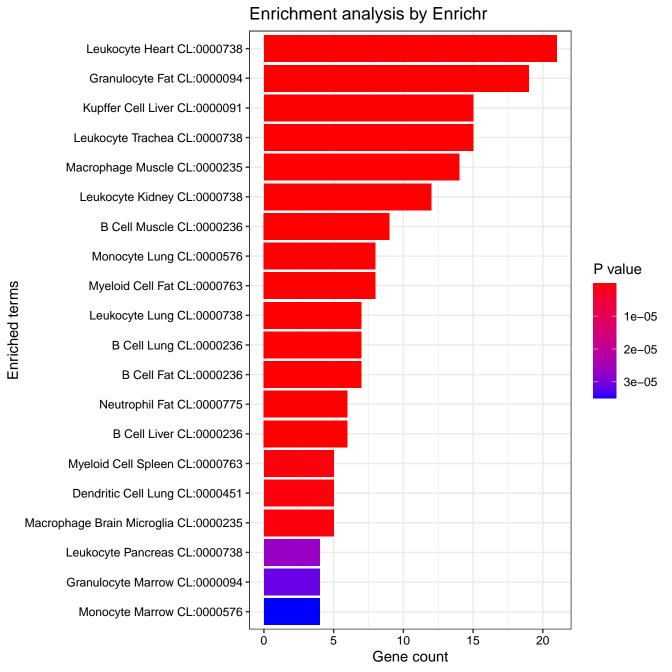


Enrichment analysis by Enrichr Granulocyte Fat CL:0000094 Kupffer Cell Liver CL:0000091 Macrophage Muscle CL:0000235 -Leukocyte Heart CL:0000738 -Monocyte Lung CL:0000576 Macrophage Brain Microglia CL:0000235 -Leukocyte Kidney CL:0000738 Leukocyte Lung CL:0000738 P value Leukocyte Pancreas CL:0000738 -**Enriched terms** Granulocyte Marrow CL:0000094 -0.02 Leukocyte Trachea CL:0000738 · 0.04 Myeloid Cell Spleen CL:0000763 -0.06 Neutrophil Fat CL:0000775 -Myeloid Cell Fat CL:0000763 -Monocyte Marrow CL:0000576 B Cell Liver CL:0000236 B Cell Muscle CL:0000236 · B Cell Lung CL:0000236 Unknown Brain Non-Microglia -B Cell Fat CL:0000236 -2 0 4 6 8 Gene count

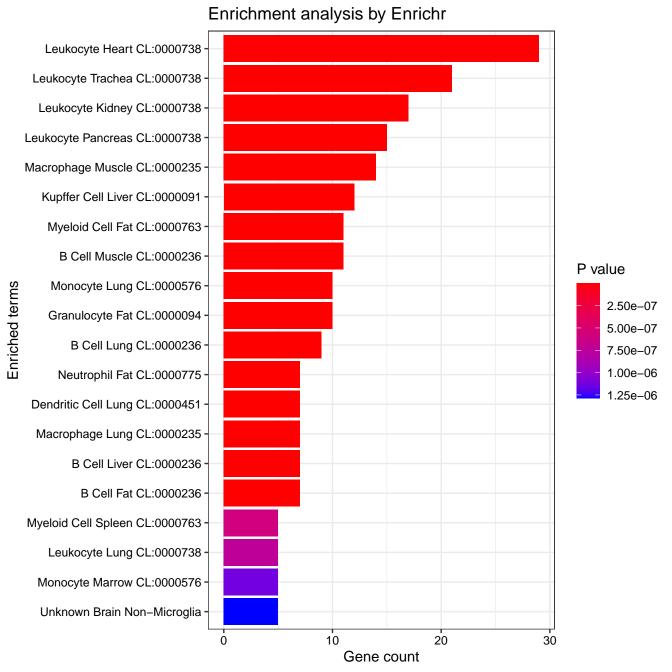


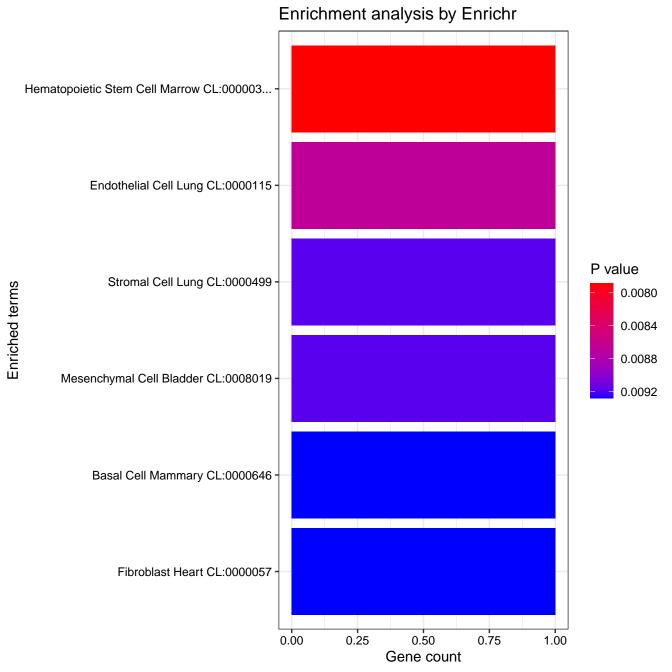


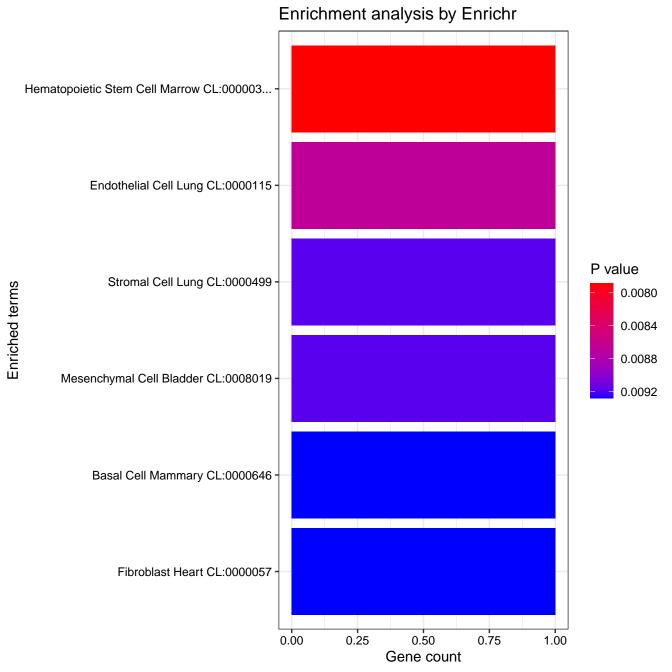
Enrichment analysis by Enrichr Leukocyte Trachea CL:0000738 · Leukocyte Heart CL:0000738 -B Cell Muscle CL:0000236 -Leukocyte Kidney CL:0000738 -Kupffer Cell Liver CL:0000091 Myeloid Cell Fat CL:0000763 -Macrophage Muscle CL:0000235 -B Cell Lung CL:0000236 -P value Dendritic Cell Lung CL:0000451 -**Enriched terms** 5.0e-07 Monocyte Lung CL:0000576 -1.0e-06 B Cell Fat CL:0000236 -1.5e-06 2.0e-06 Neutrophil Fat CL:0000775 -2.5e-06 Leukocyte Pancreas CL:0000738 -Granulocyte Fat CL:0000094 -B Cell Liver CL:0000236 · B Cell Spleen CL:0000236 -Leukocyte Lung CL:0000738 -Unknown Brain Non-Microglia · T Cell Lung CL:0000084 -T Cell Fat CL:0000084 -20 0 10 15 Gene count

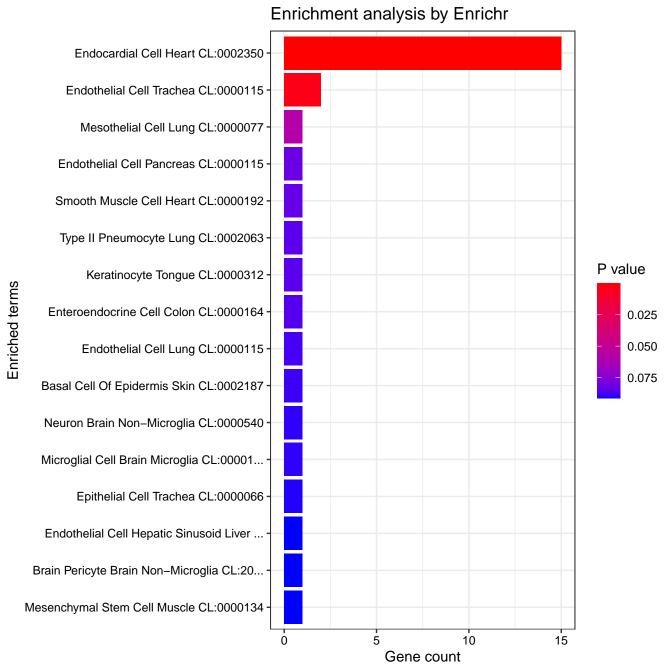


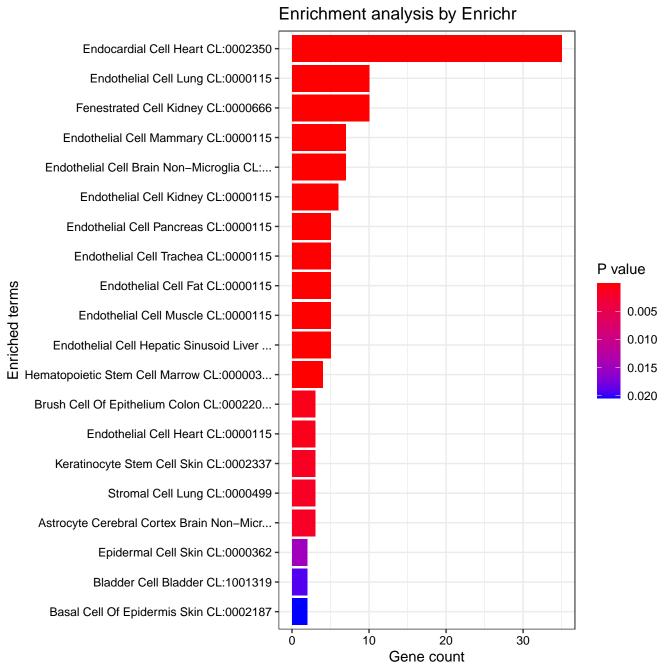
Enrichment analysis by Enrichr Leukocyte Trachea CL:0000738 · Leukocyte Heart CL:0000738 -B Cell Muscle CL:0000236 -Leukocyte Kidney CL:0000738 -Kupffer Cell Liver CL:0000091 Myeloid Cell Fat CL:0000763 -Macrophage Muscle CL:0000235 -B Cell Lung CL:0000236 -P value Dendritic Cell Lung CL:0000451 -**Enriched terms** 5.0e-07 Monocyte Lung CL:0000576 -1.0e-06 B Cell Fat CL:0000236 -1.5e-06 2.0e-06 Neutrophil Fat CL:0000775 -2.5e-06 Leukocyte Pancreas CL:0000738 -Granulocyte Fat CL:0000094 -B Cell Liver CL:0000236 · B Cell Spleen CL:0000236 -Leukocyte Lung CL:0000738 -Unknown Brain Non-Microglia · T Cell Lung CL:0000084 -T Cell Fat CL:0000084 -20 0 10 15 Gene count

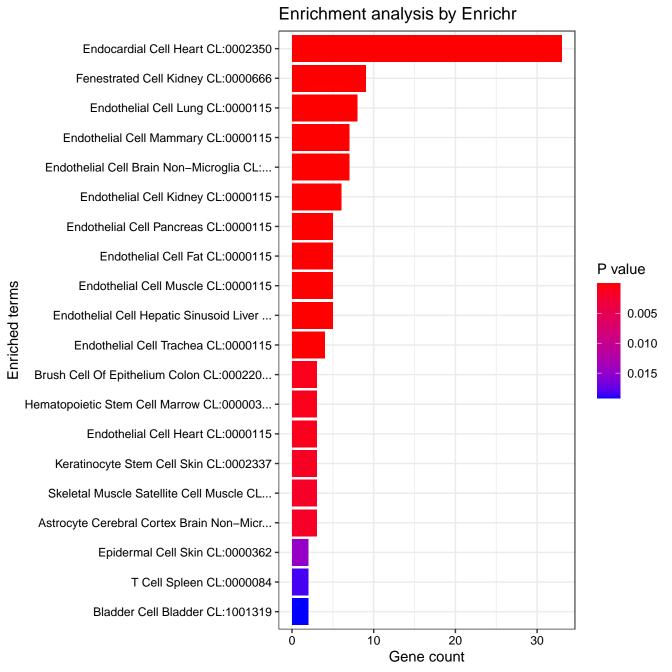


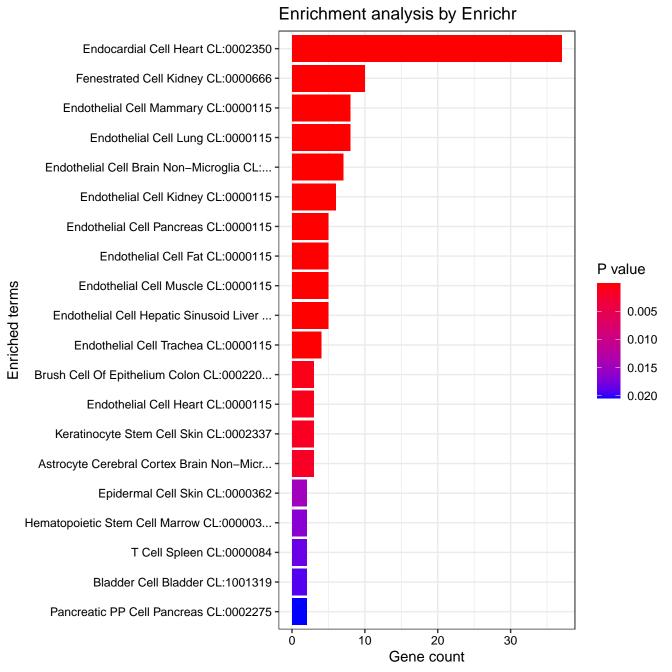


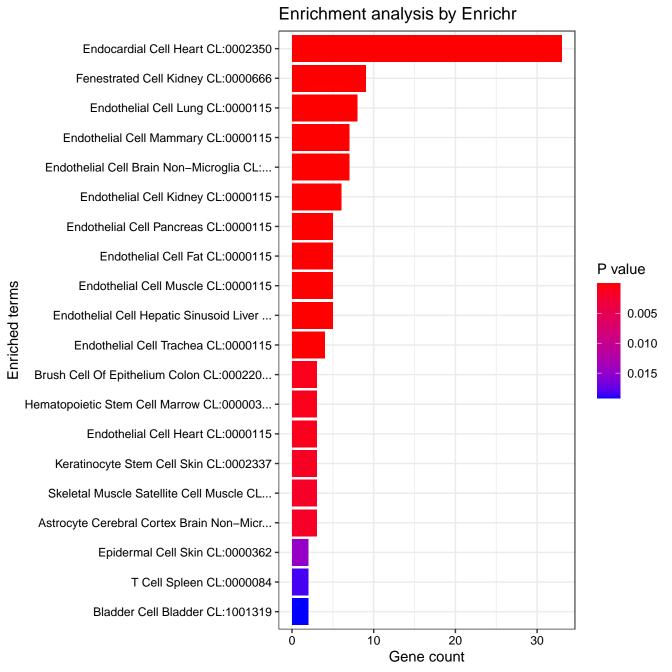


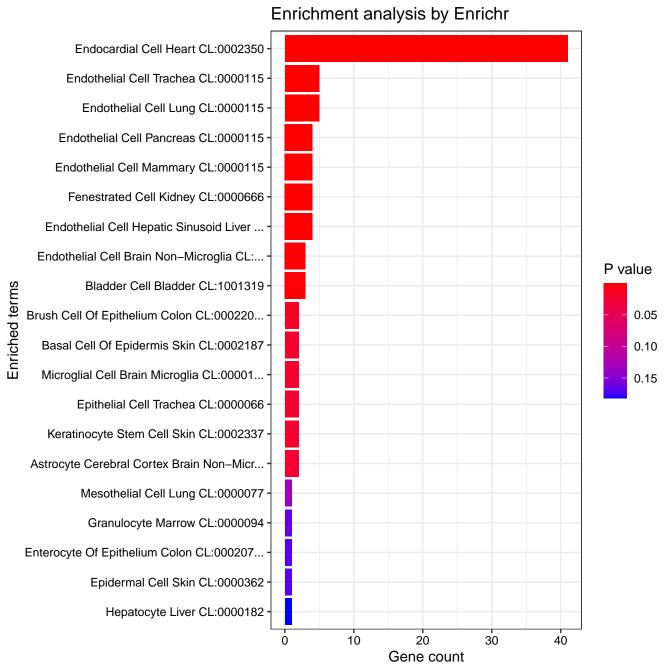


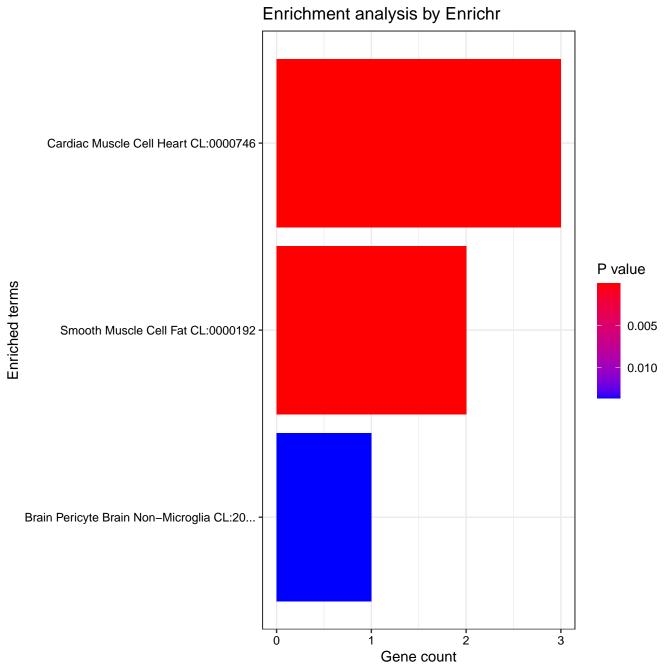


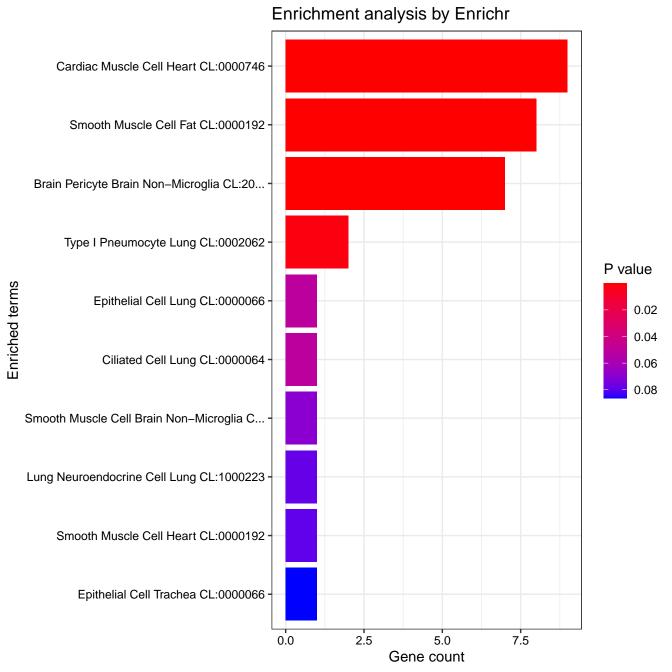


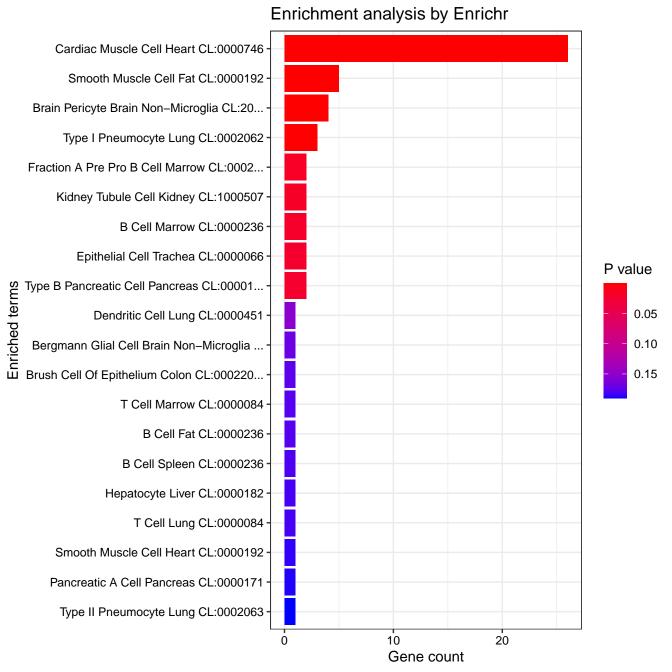


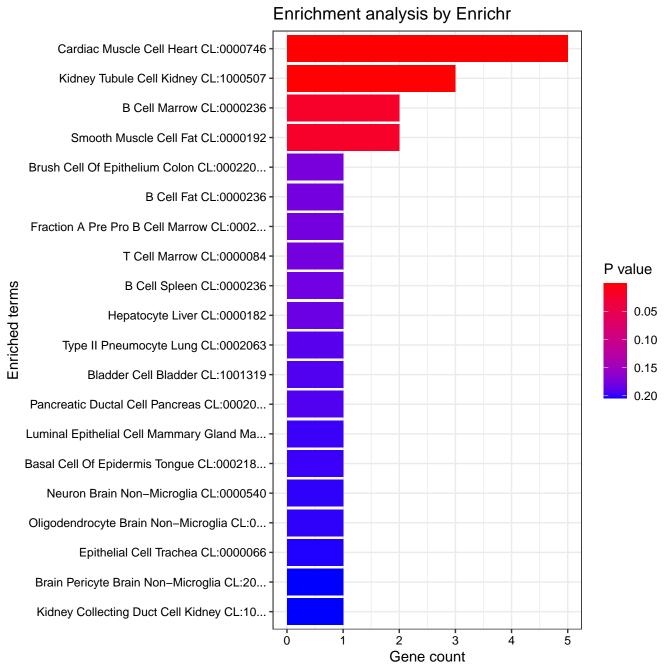


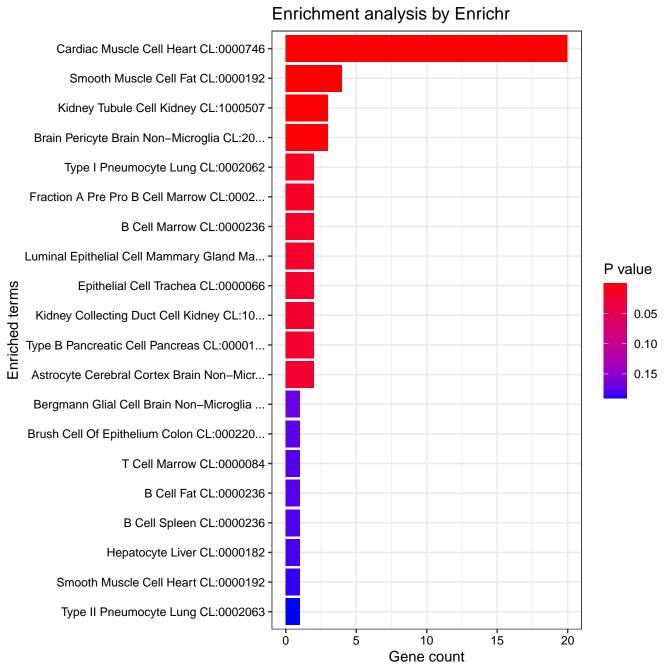


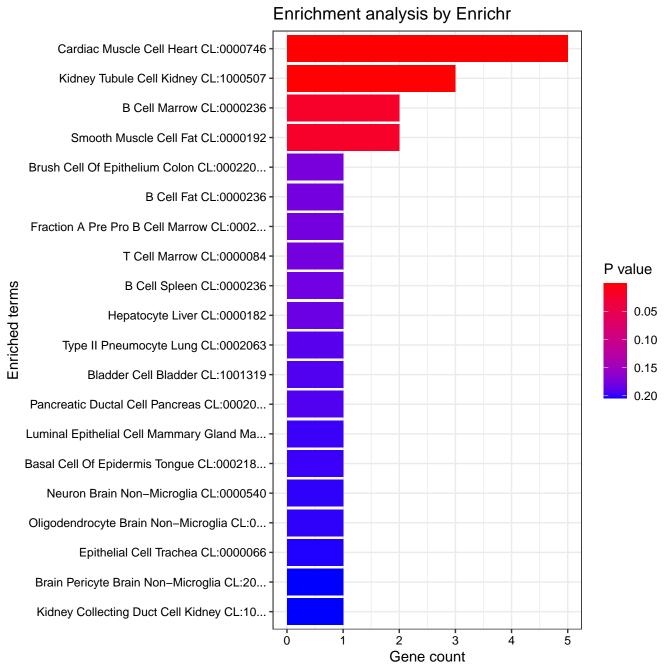


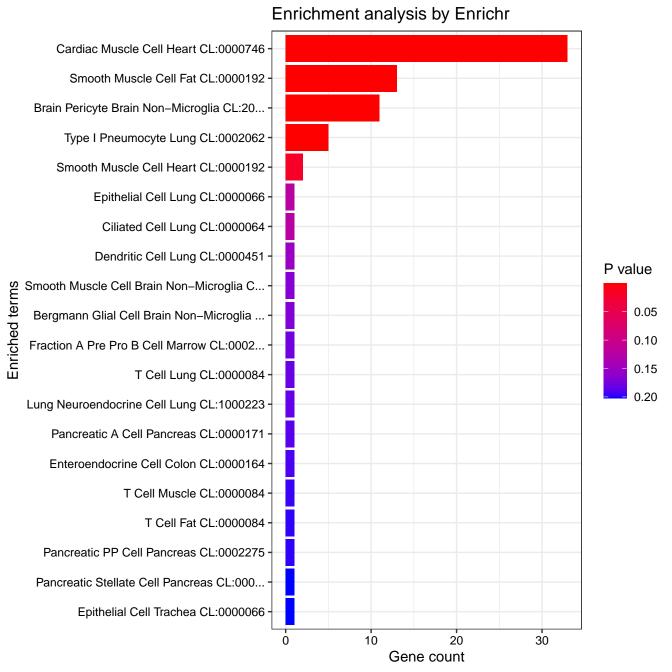


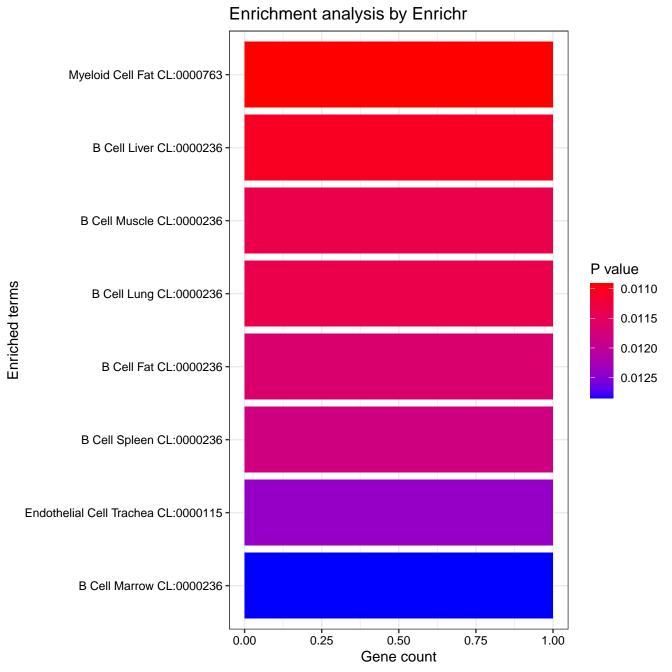


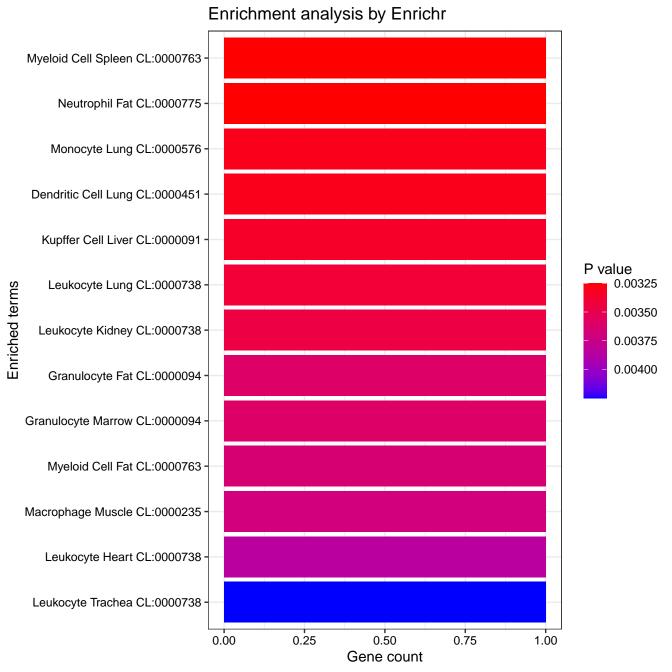


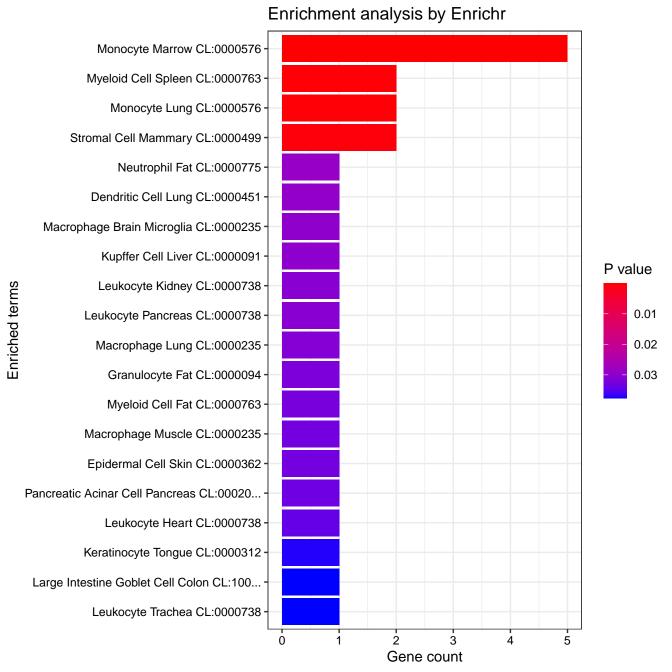


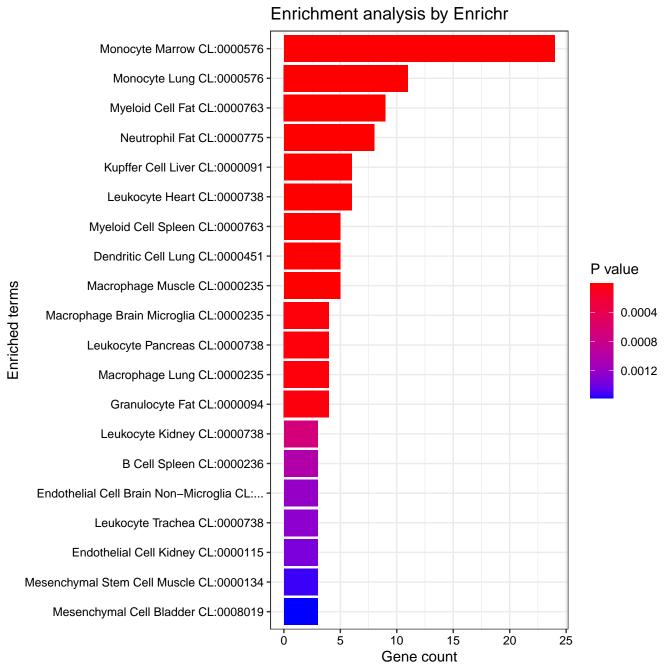


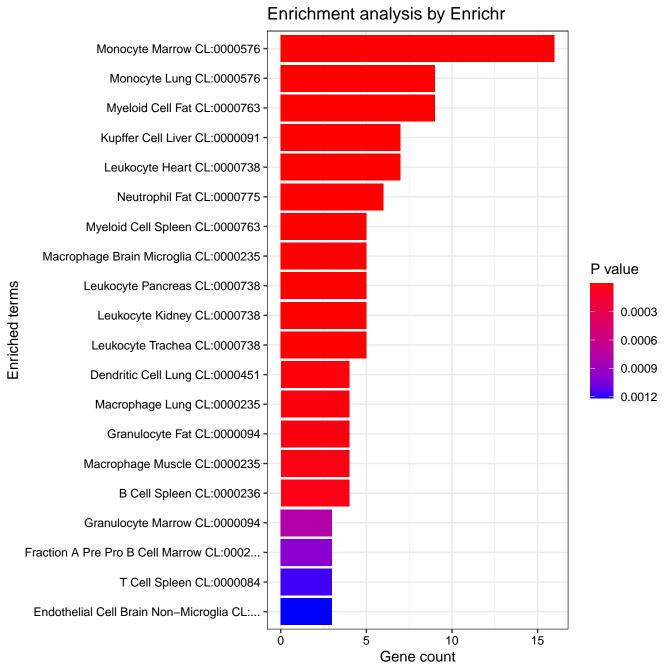


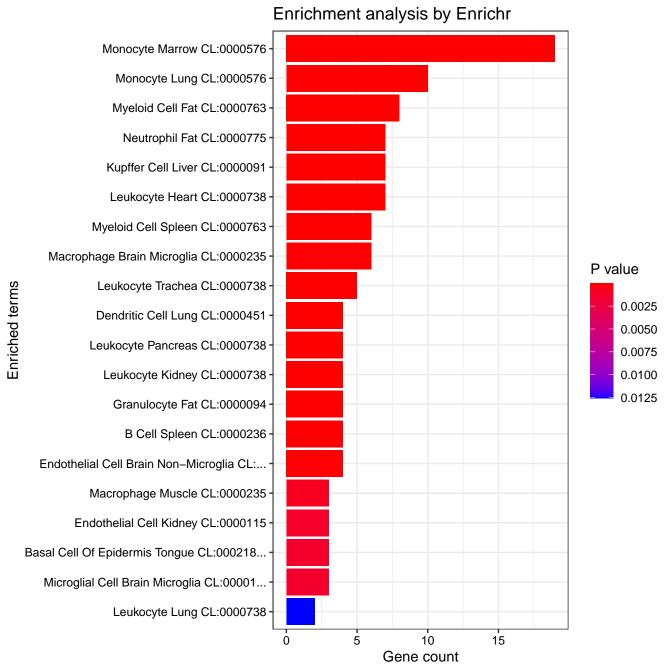


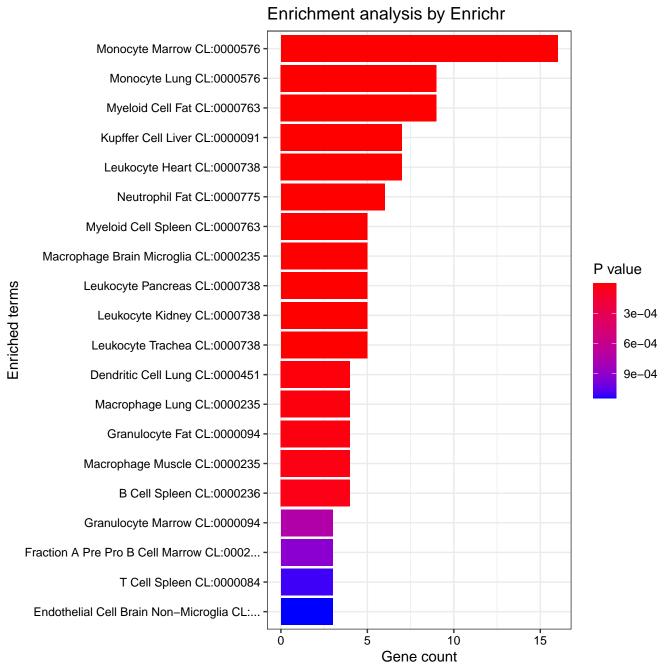


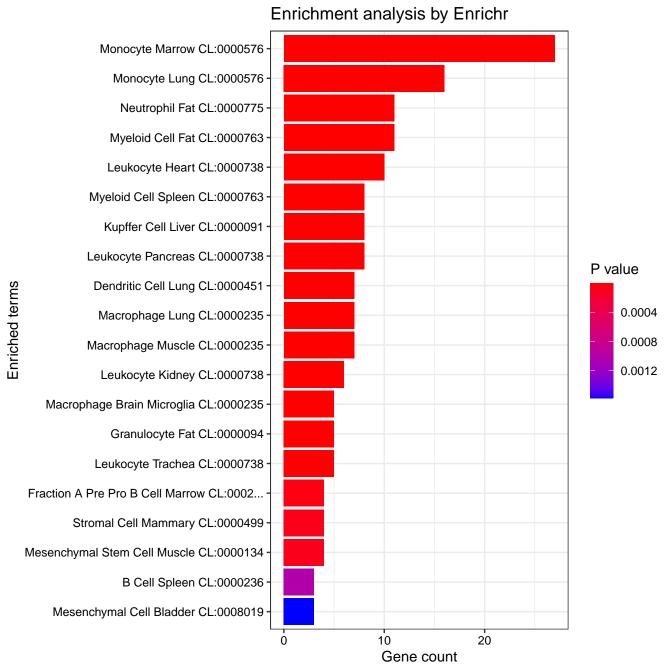


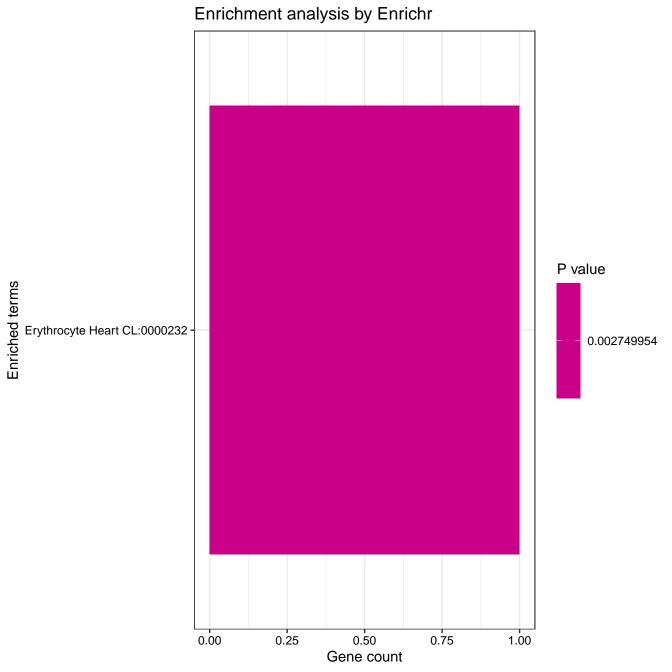


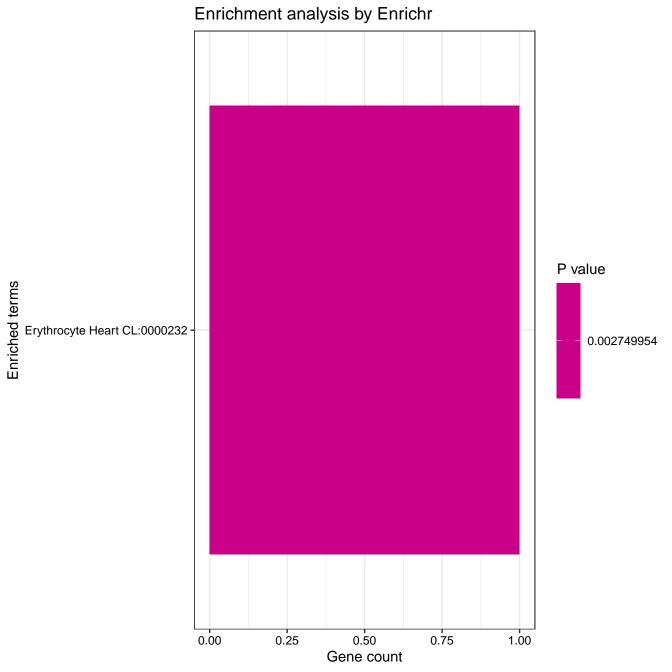


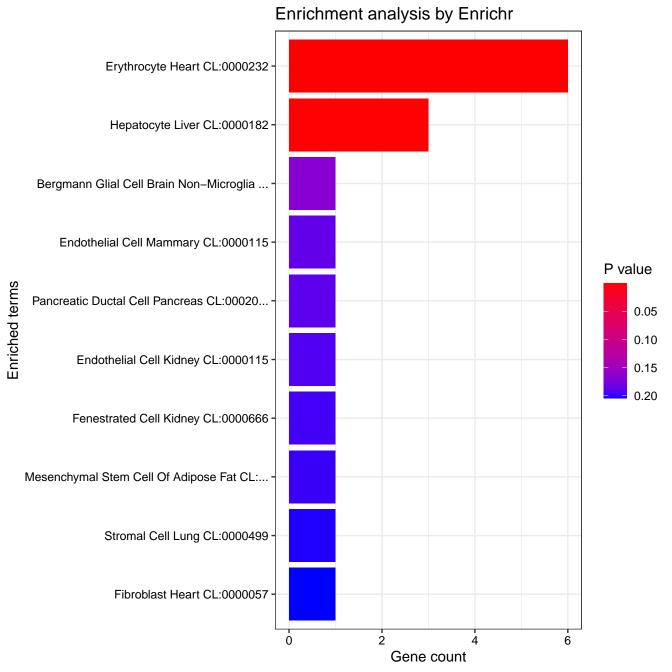


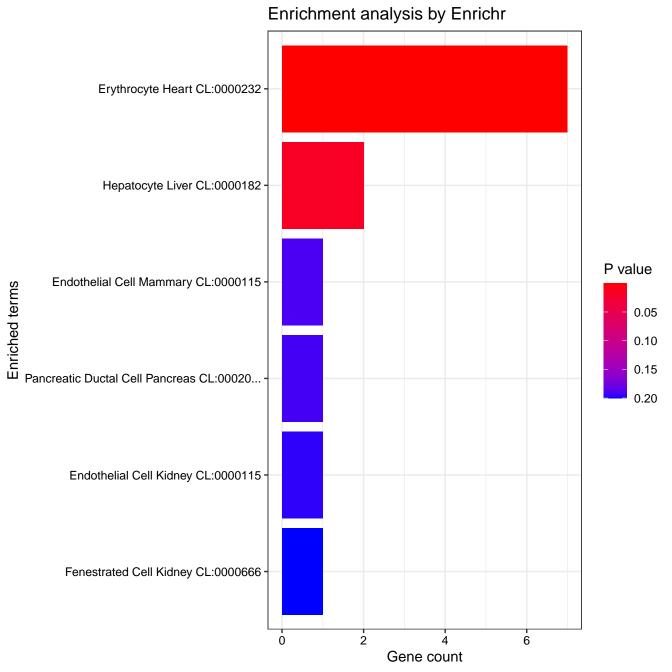


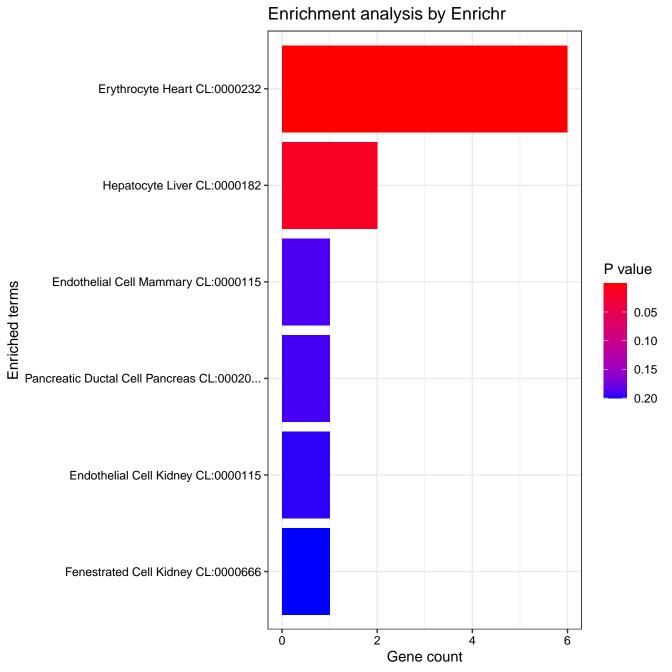


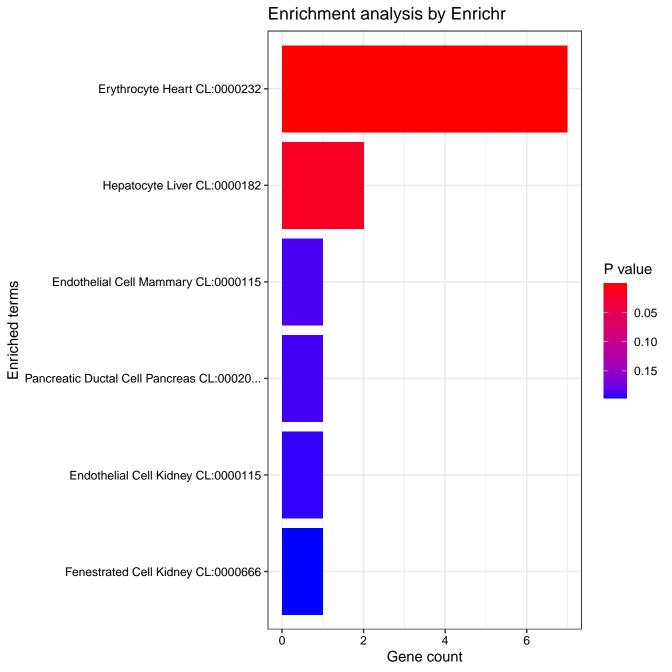


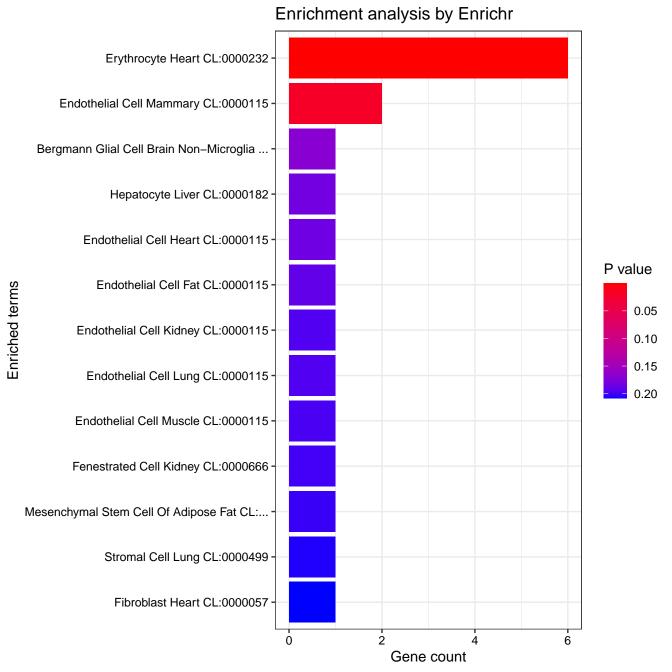


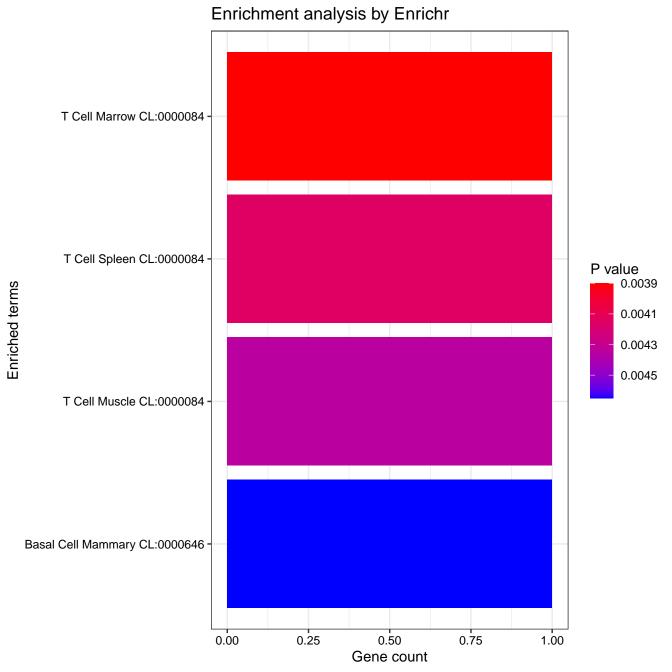


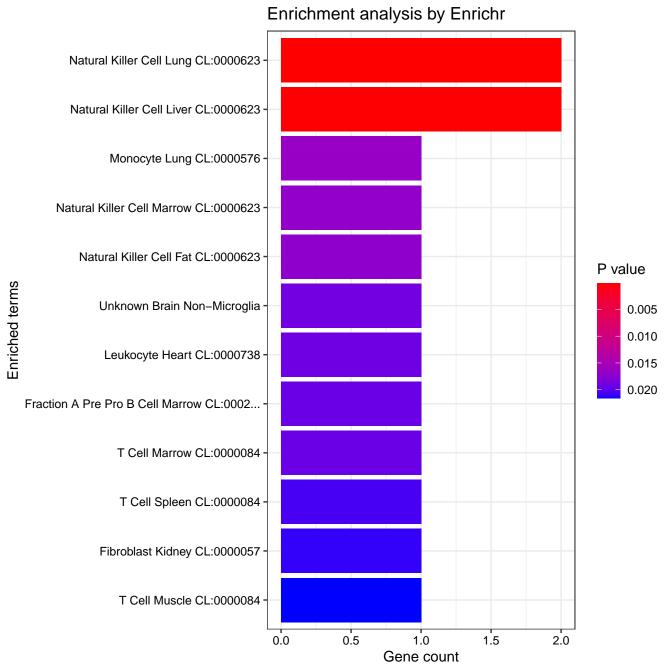


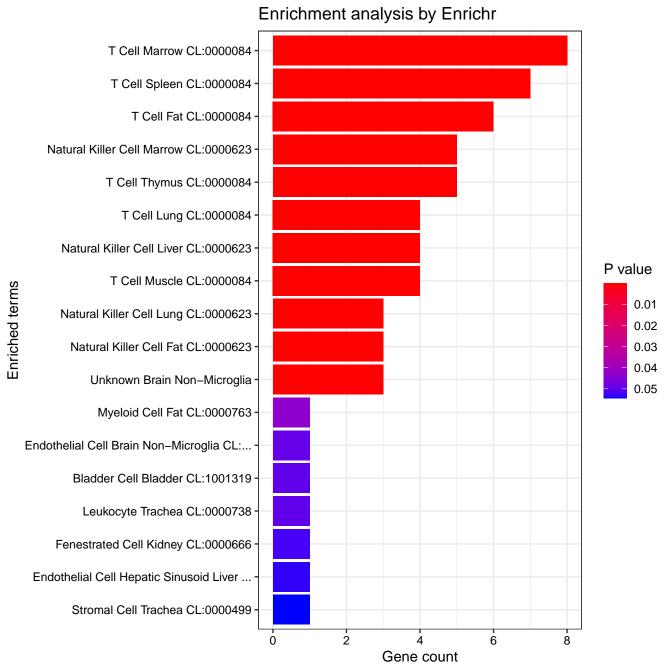


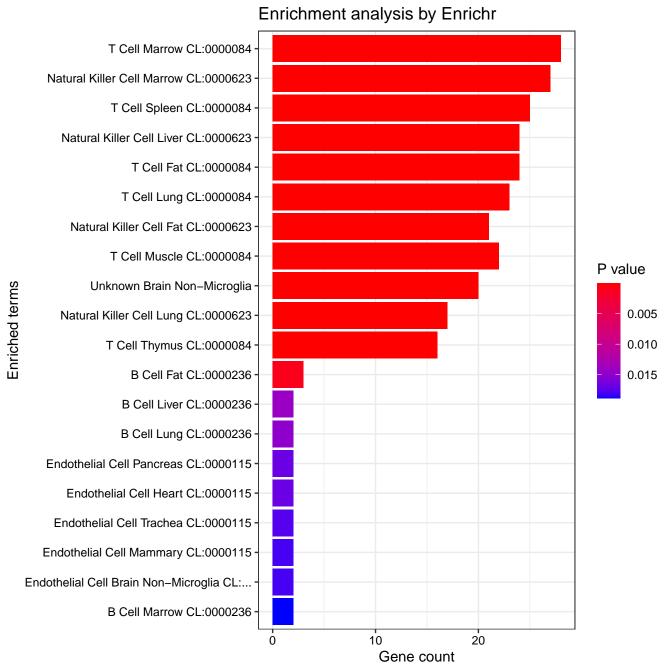


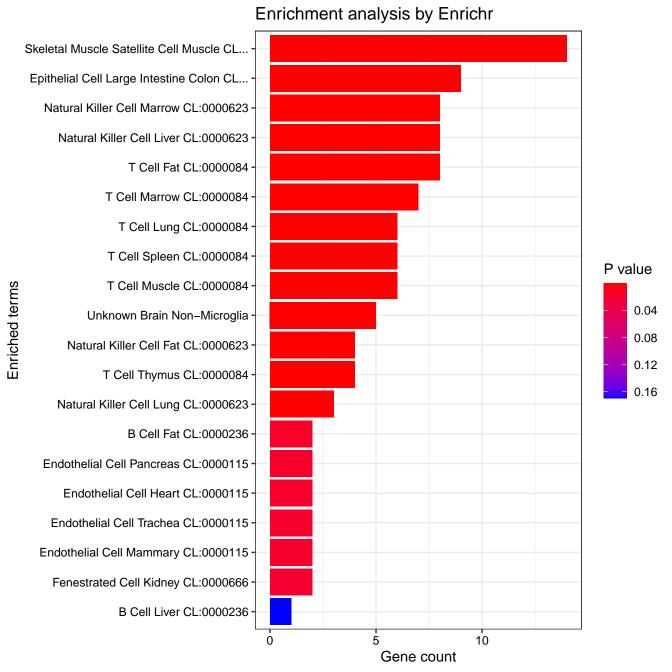


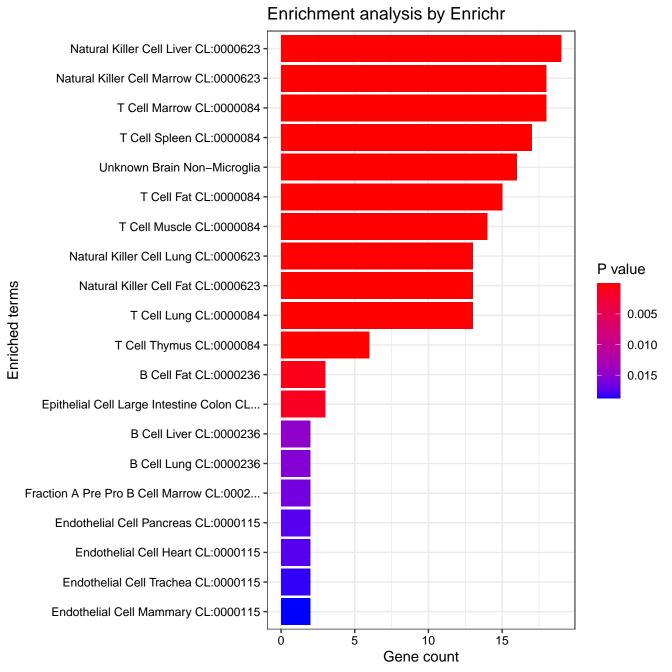


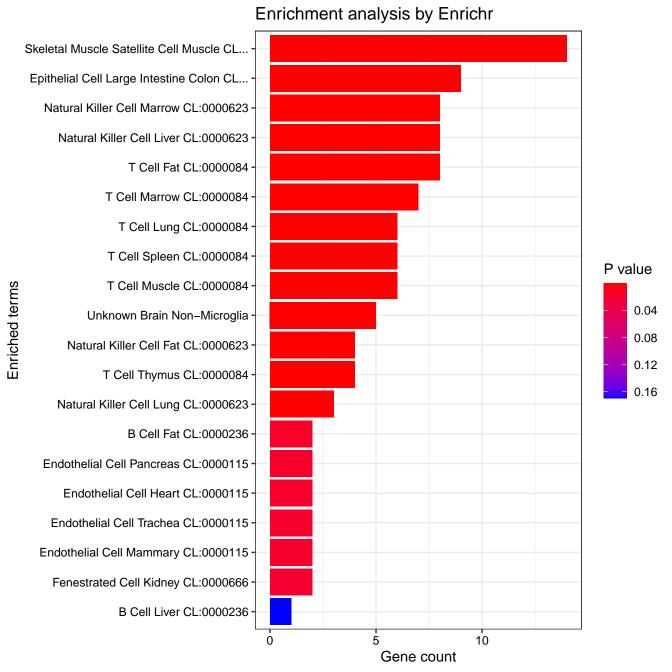


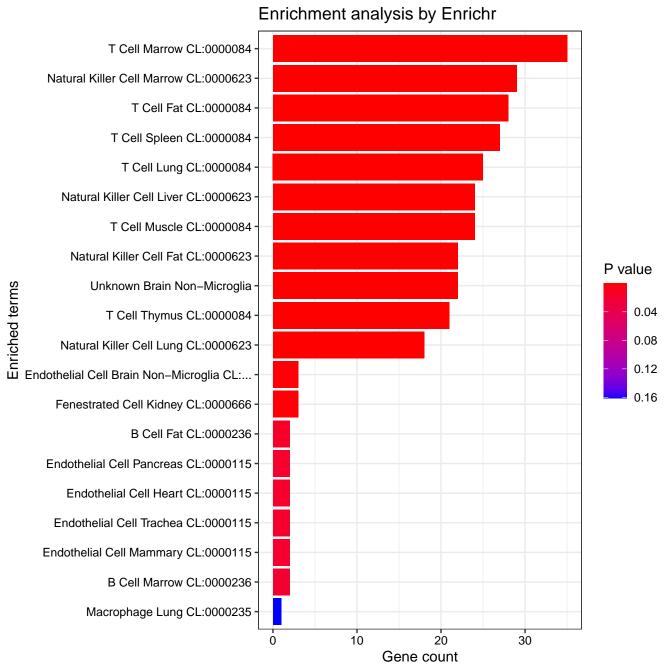


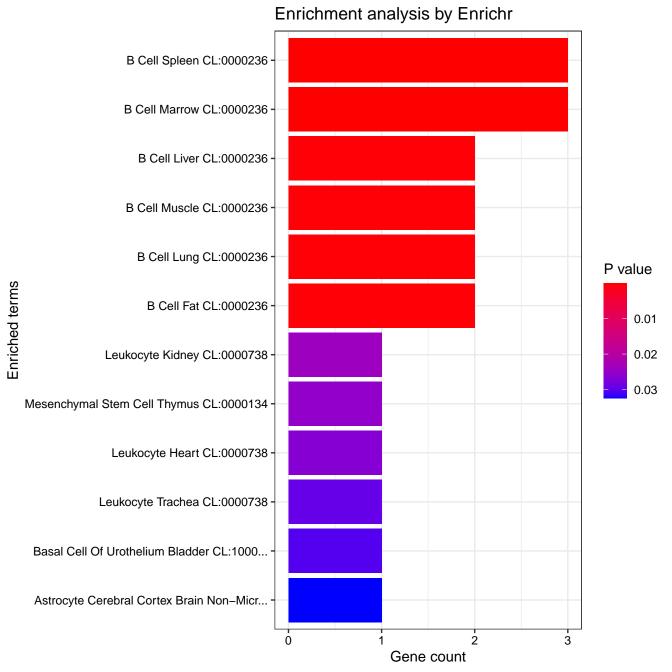


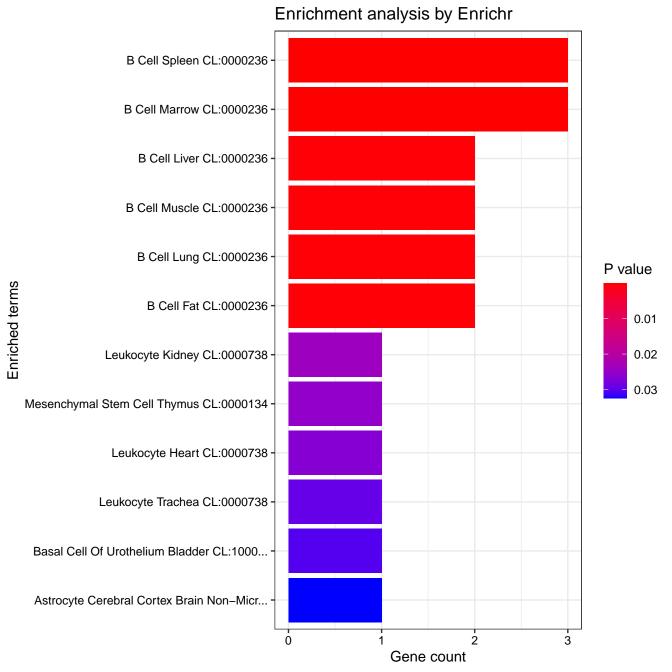


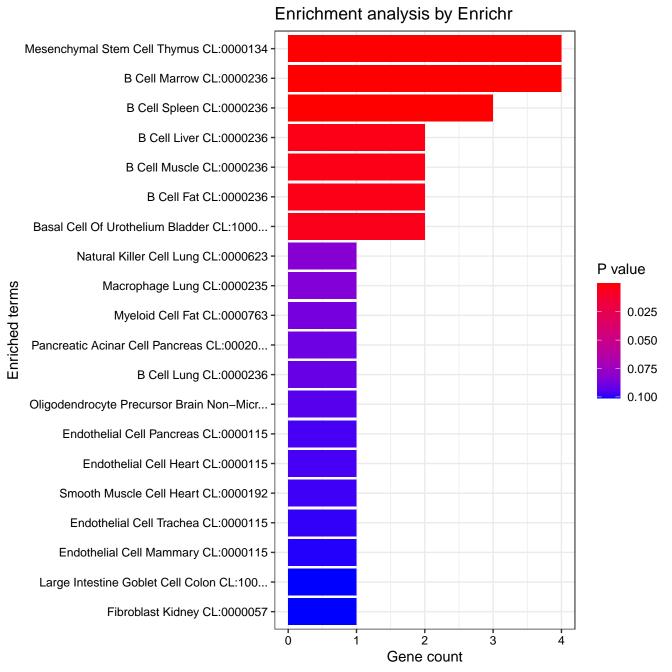


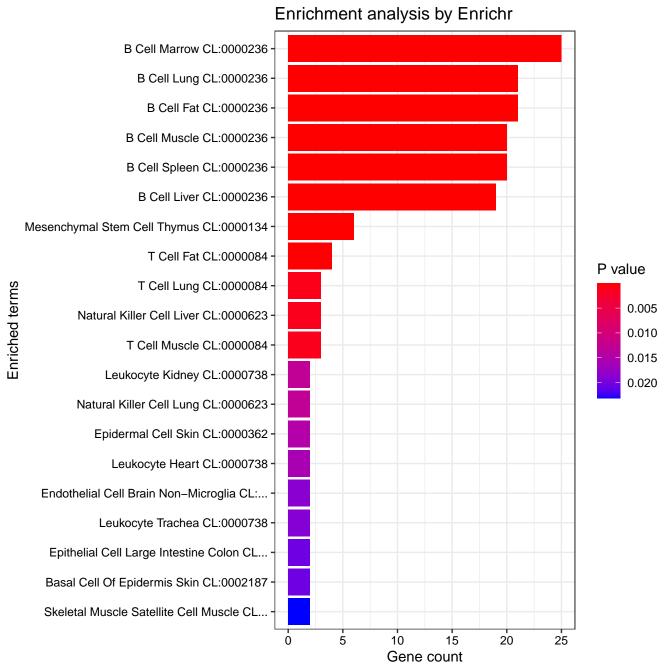


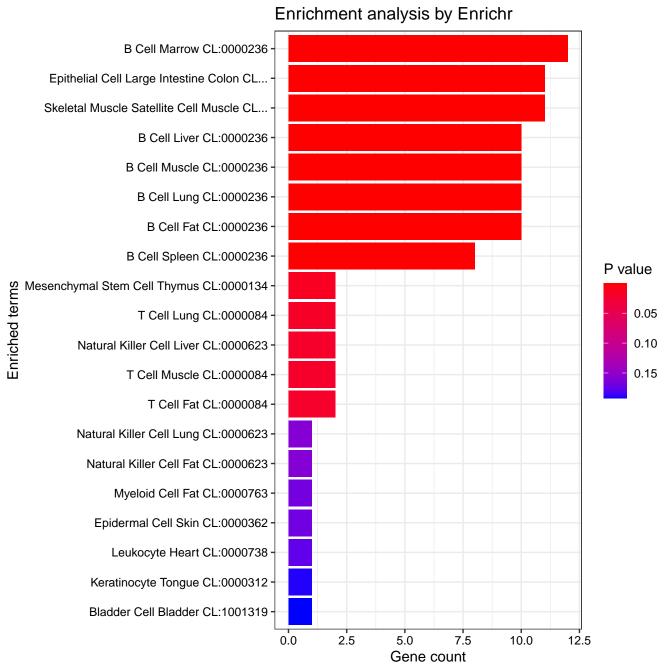


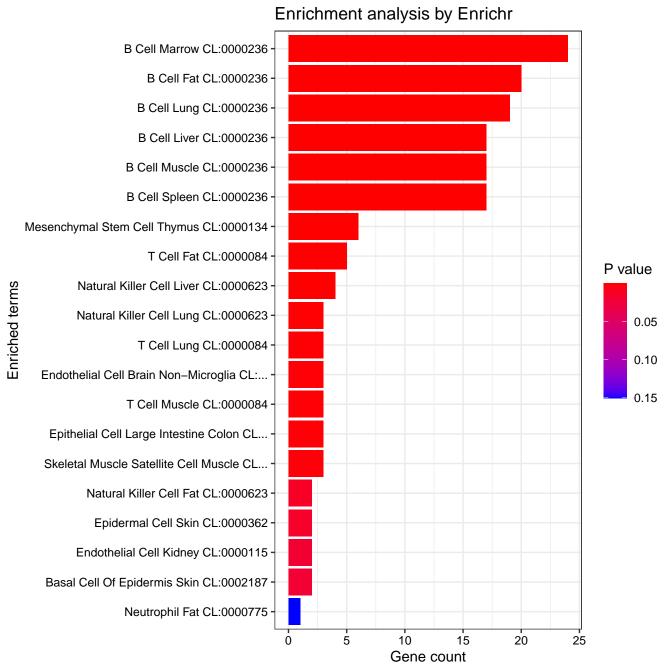


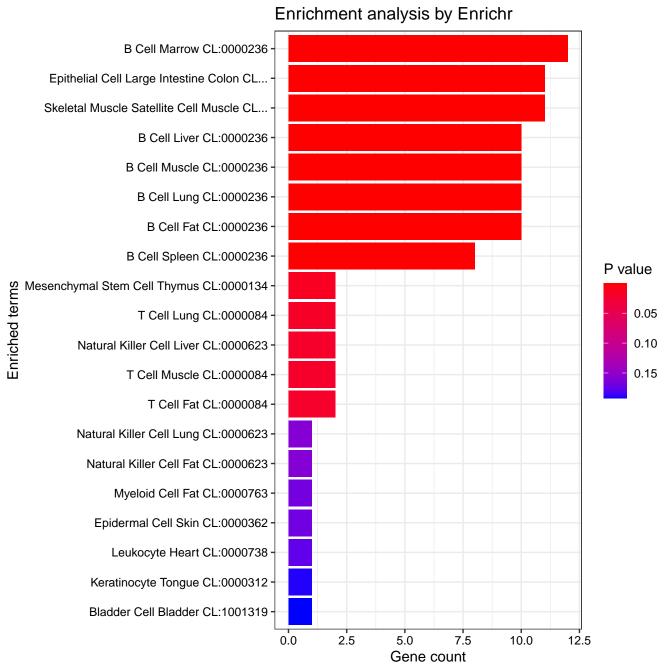


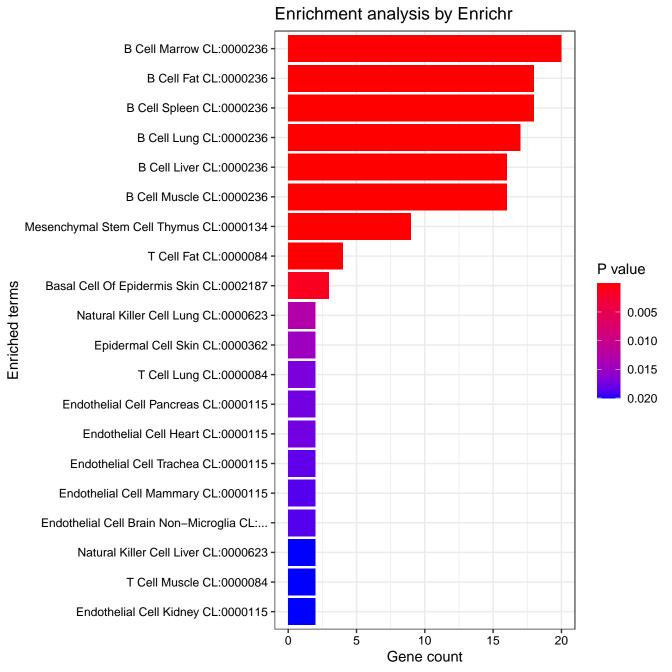


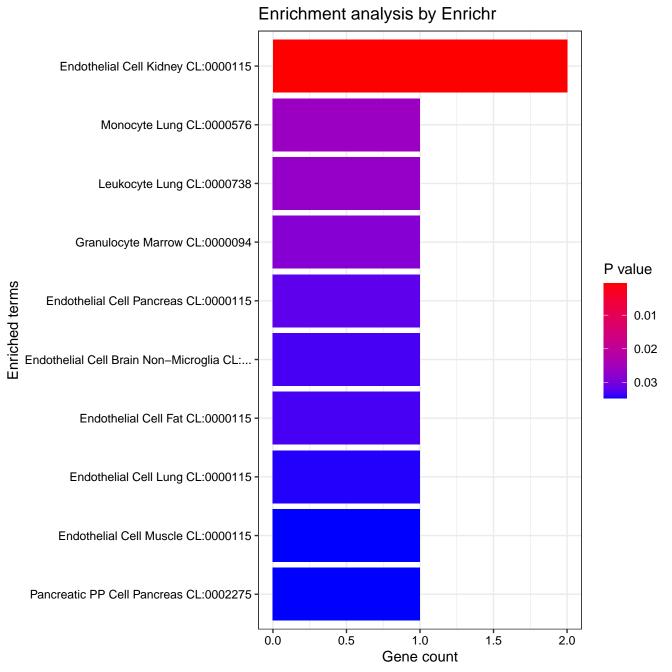


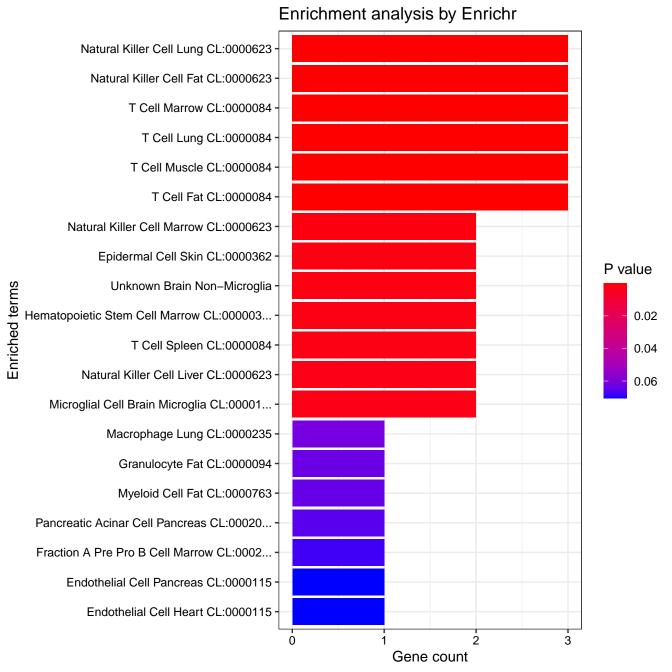


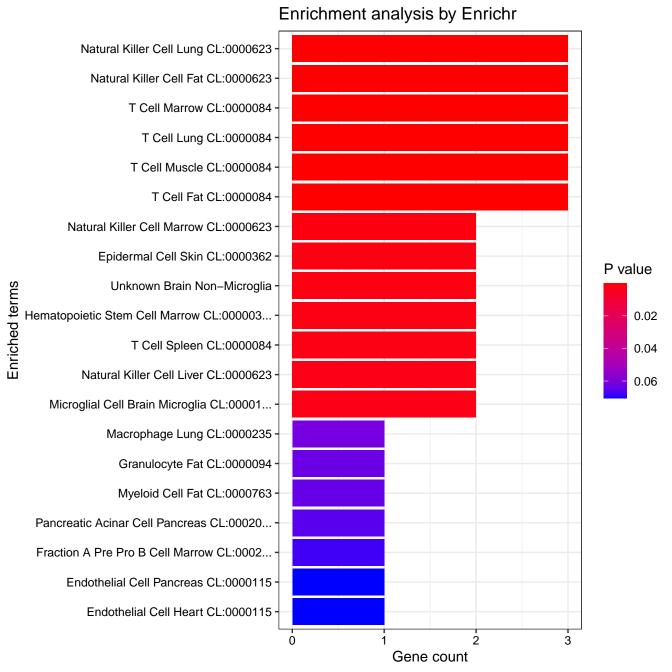


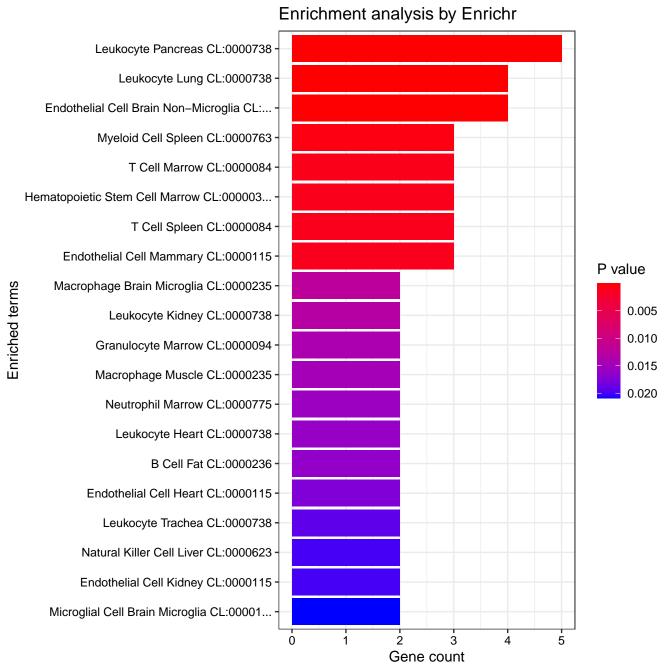


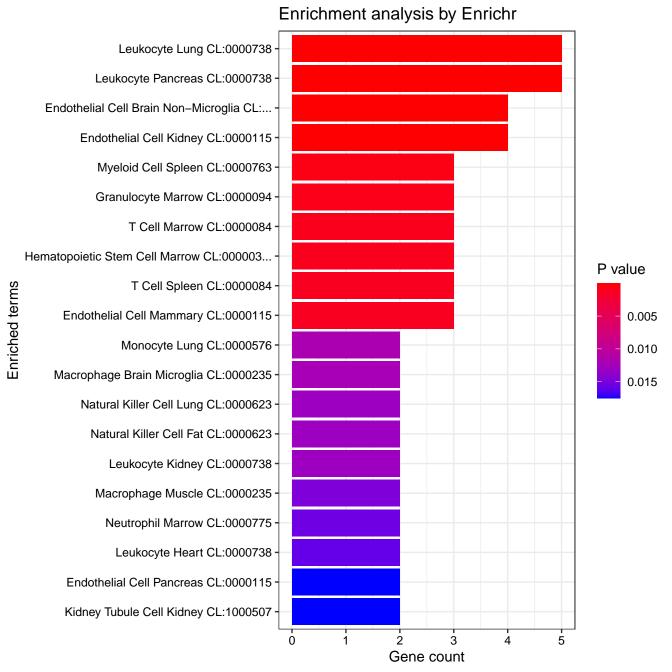


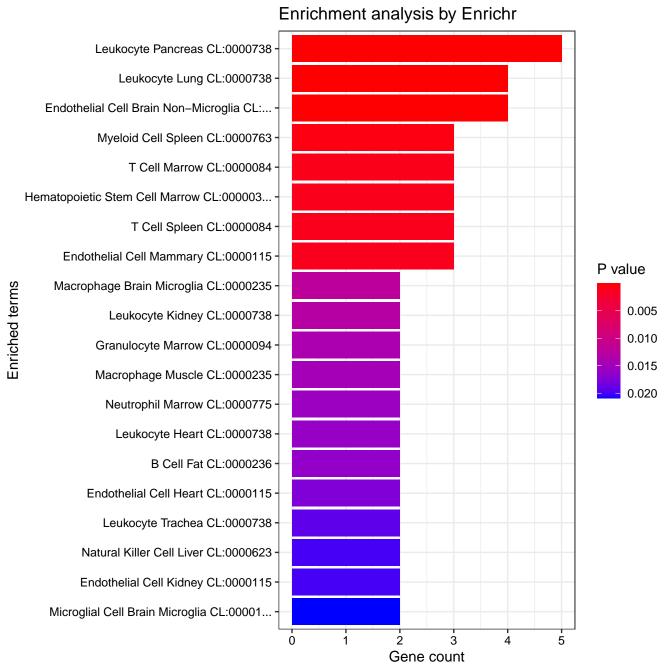


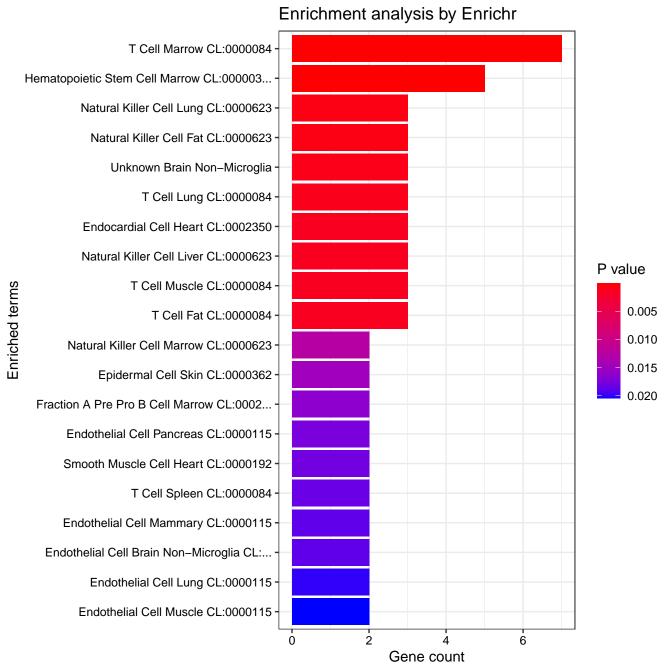


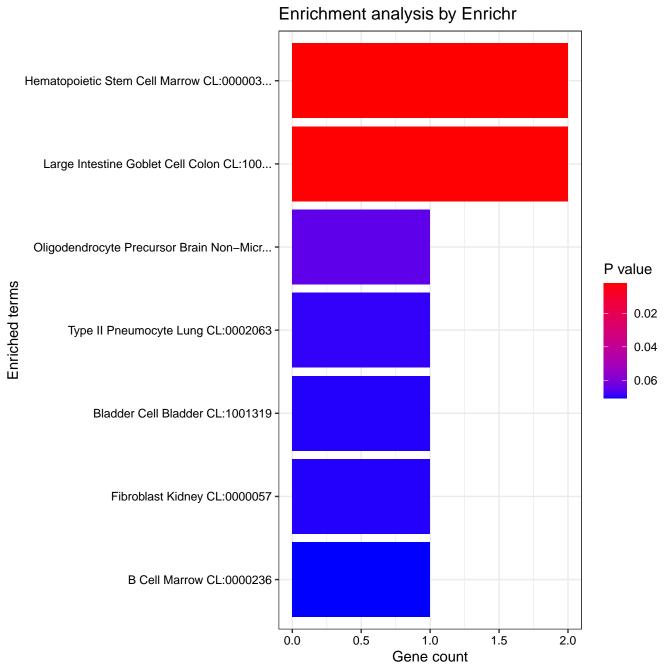


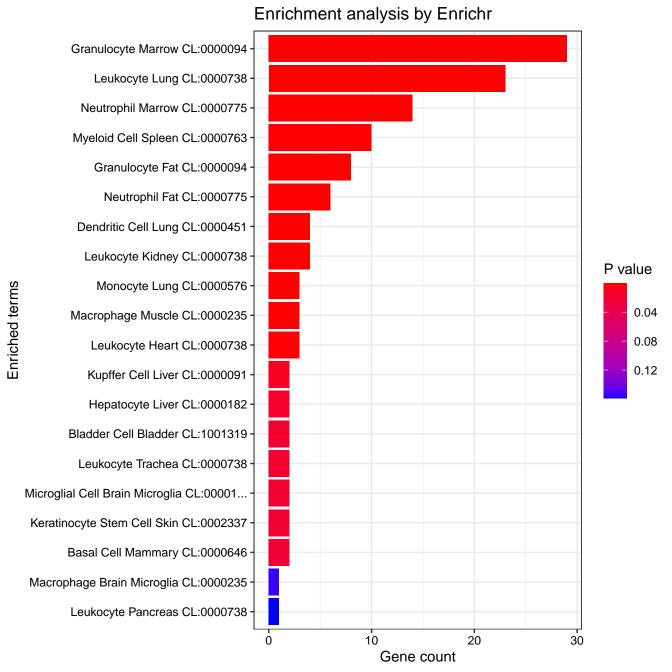


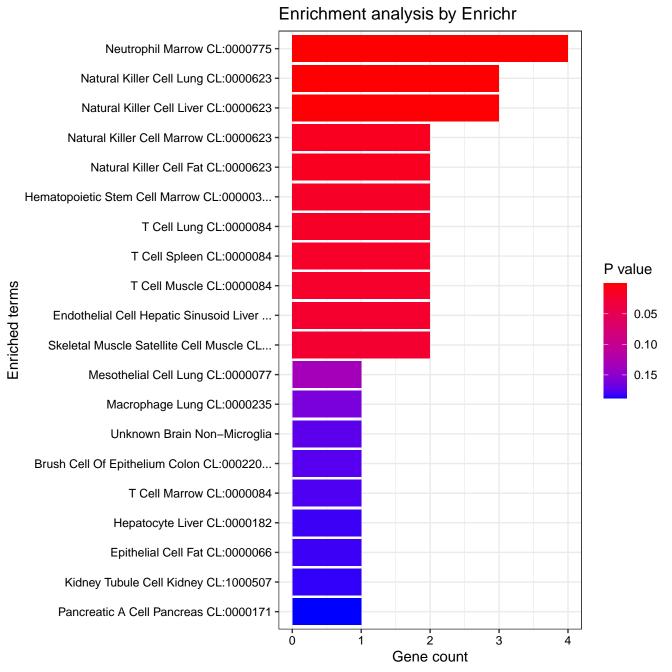


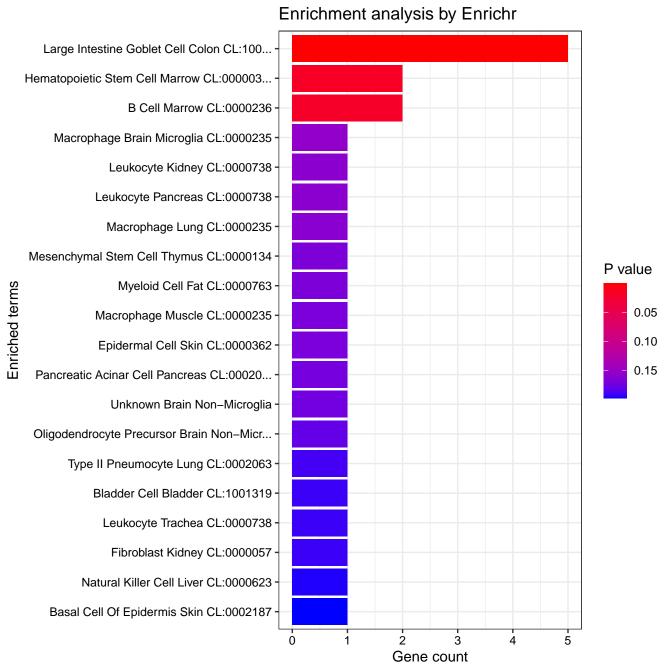


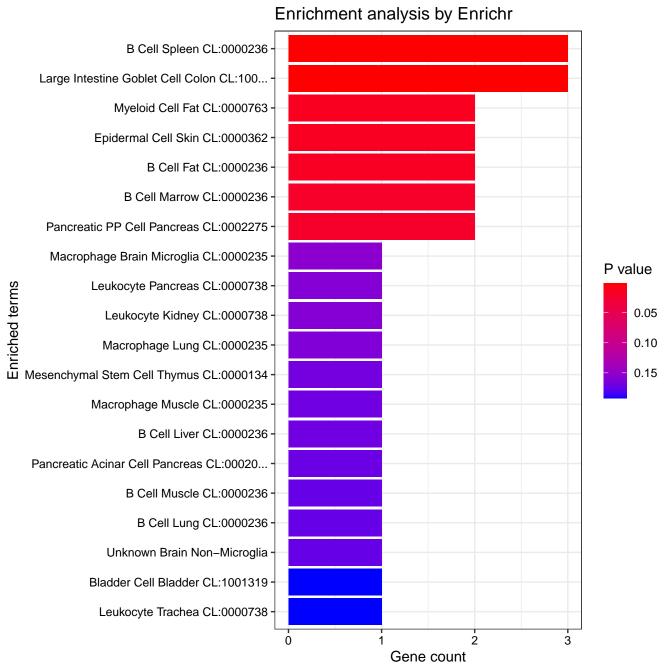


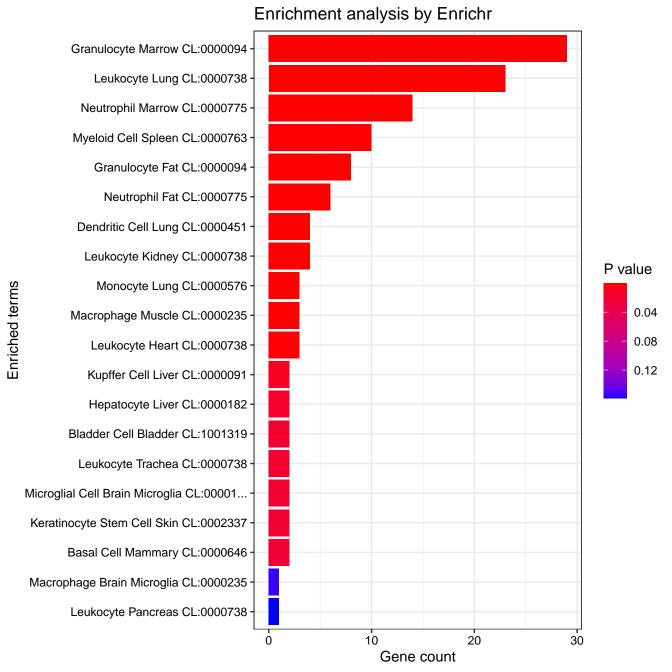


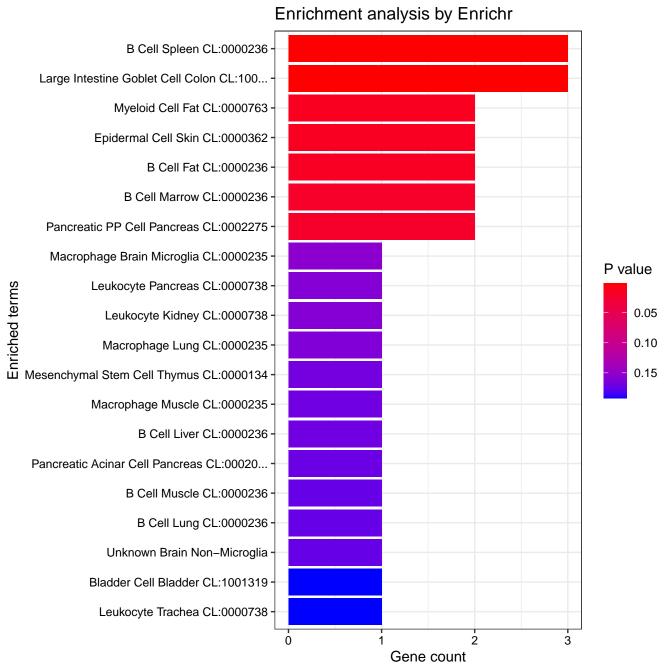


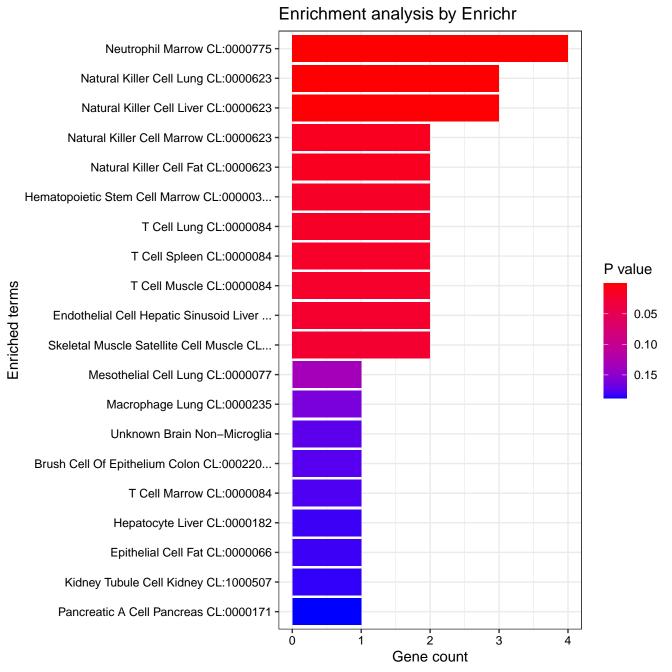


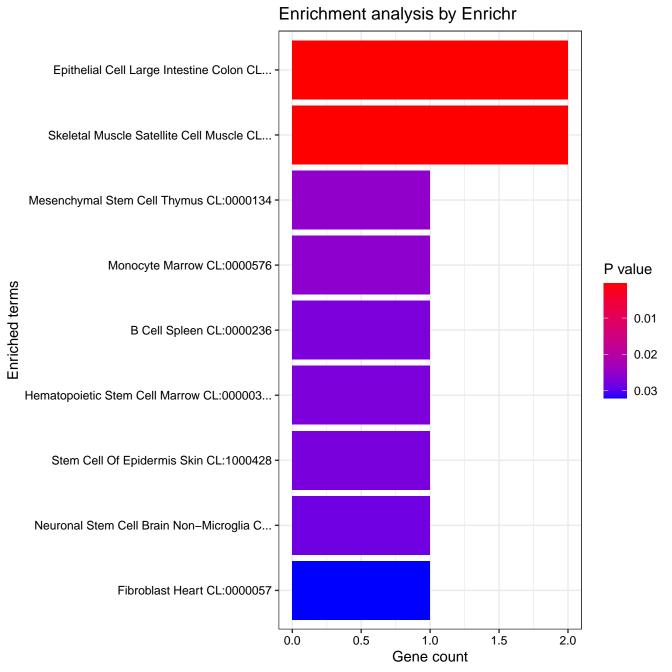


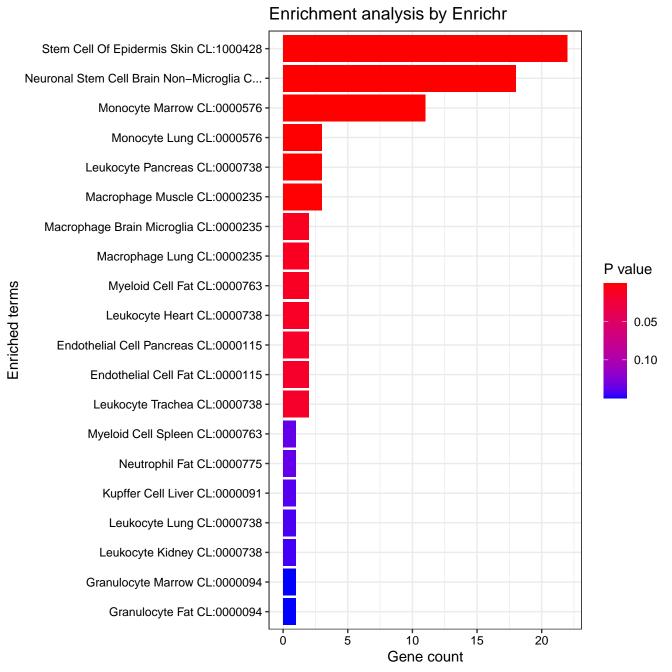


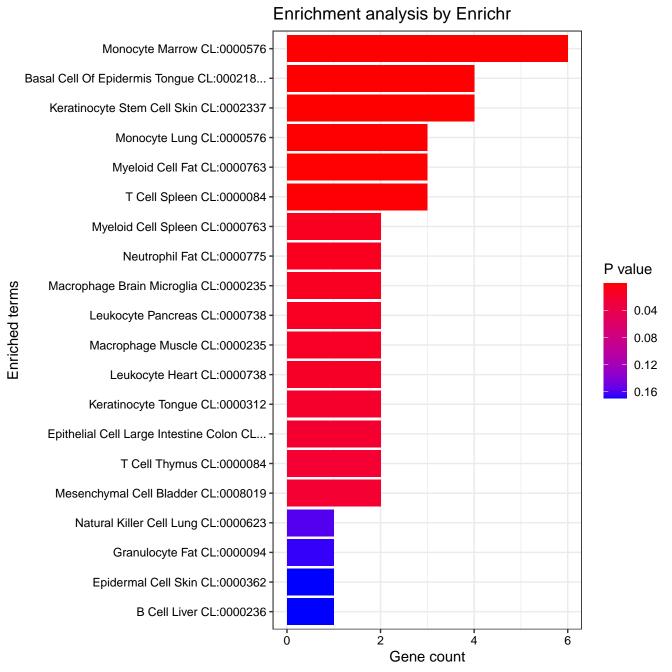


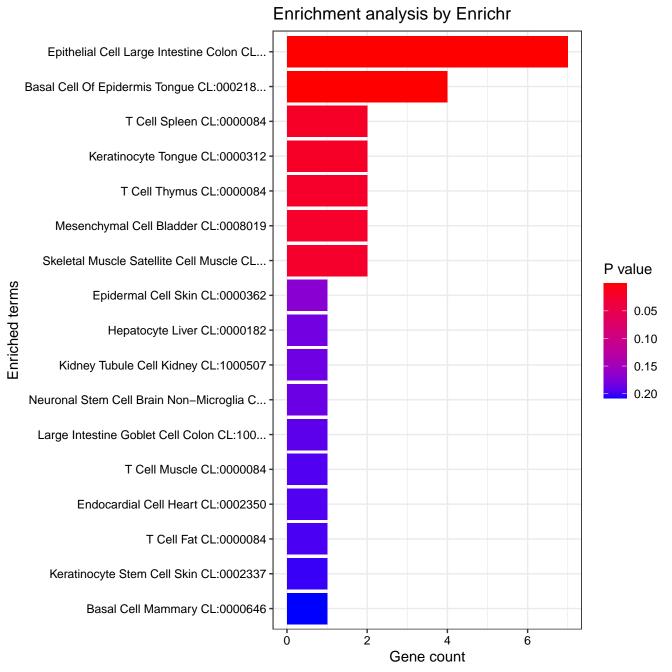




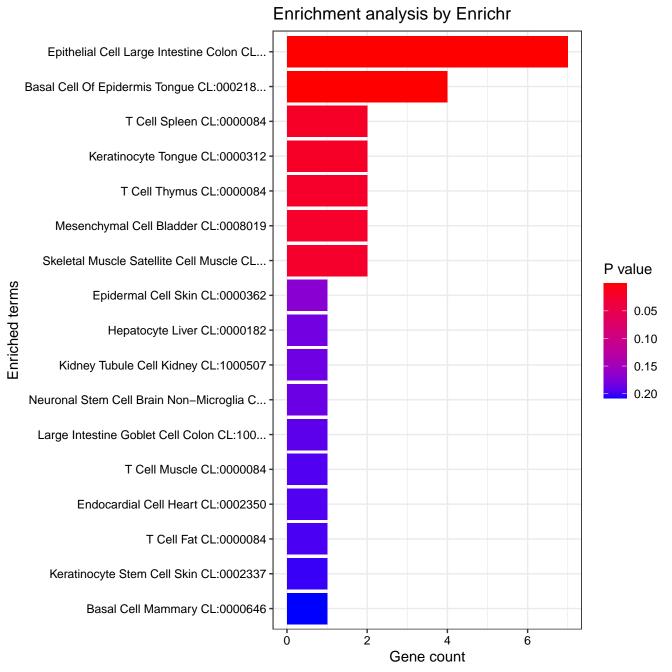


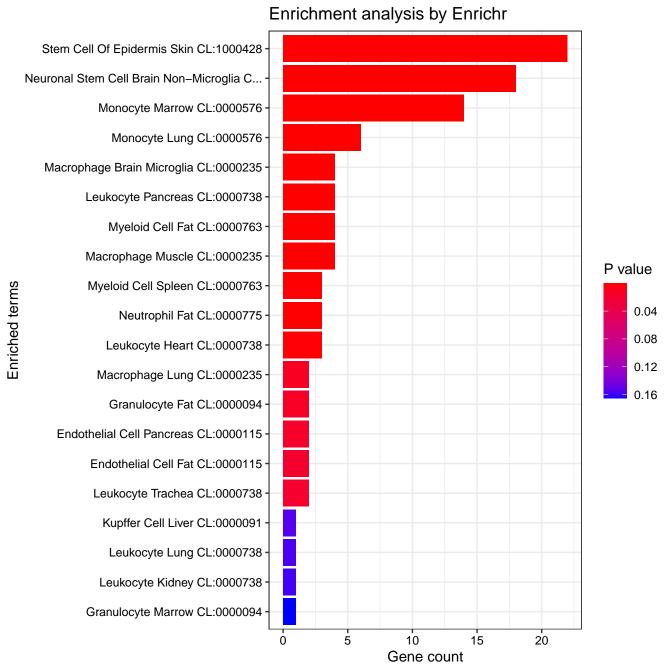


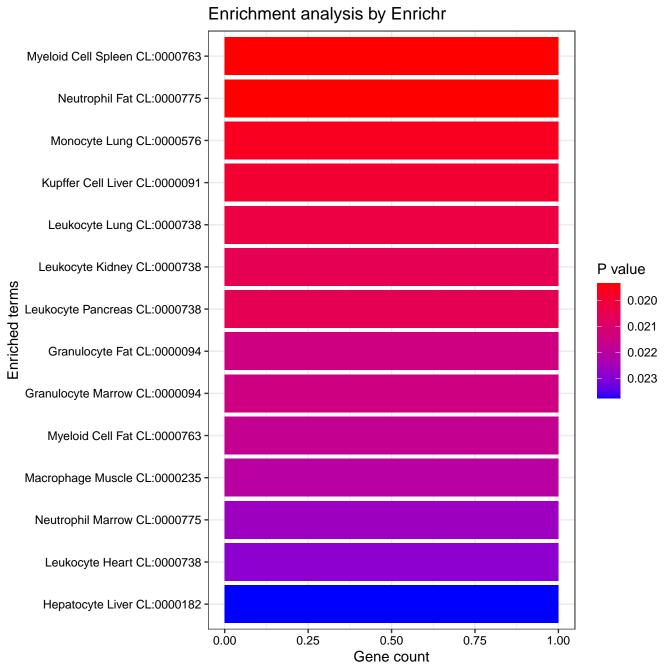


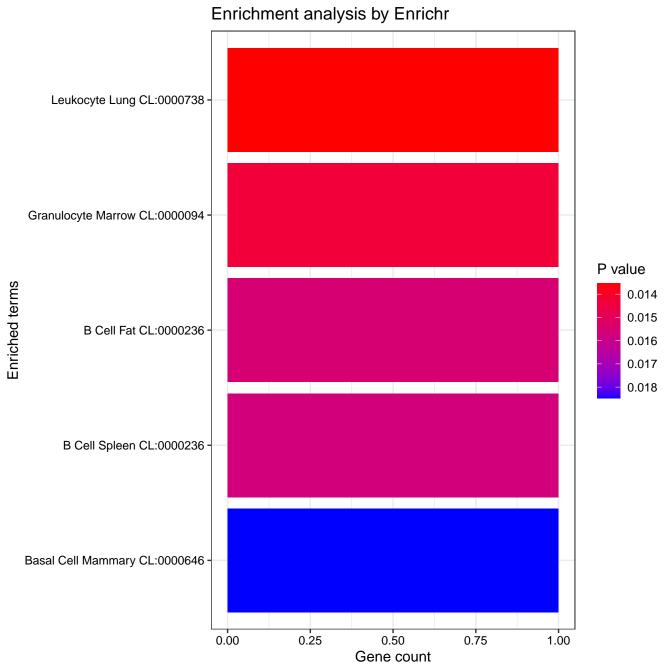


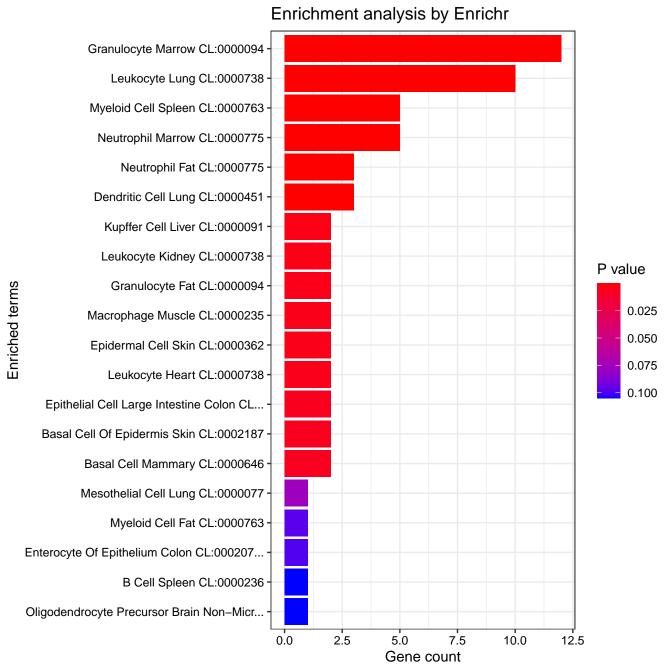
Enrichment analysis by Enrichr Epithelial Cell Large Intestine Colon CL... Monocyte Marrow CL:0000576 -Basal Cell Of Epidermis Tongue CL:000218... -T Cell Spleen CL:0000084 -Skeletal Muscle Satellite Cell Muscle CL... -Neuronal Stem Cell Brain Non-Microglia C ... -Keratinocyte Stem Cell Skin CL:0002337 T Cell Thymus CL:0000084 -P value Mesenchymal Cell Bladder CL:0008019 -**Enriched terms** Monocyte Lung CL:0000576 -0.05 Macrophage Brain Microglia CL:0000235 -0.10 Granulocyte Fat CL:0000094 -0.15 Mesenchymal Stem Cell Thymus CL:0000134 -Macrophage Muscle CL:0000235 -Epidermal Cell Skin CL:0000362 -B Cell Liver CL:0000236 -Leukocyte Heart CL:0000738 -B Cell Spleen CL:0000236 -Hematopoietic Stem Cell Marrow CL:000003... -Stem Cell Of Epidermis Skin CL:1000428 -2 0 6 Gene count

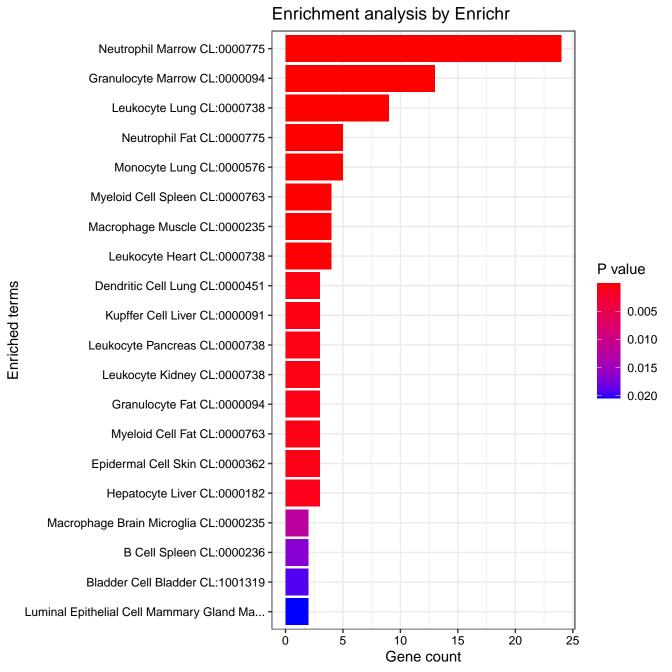


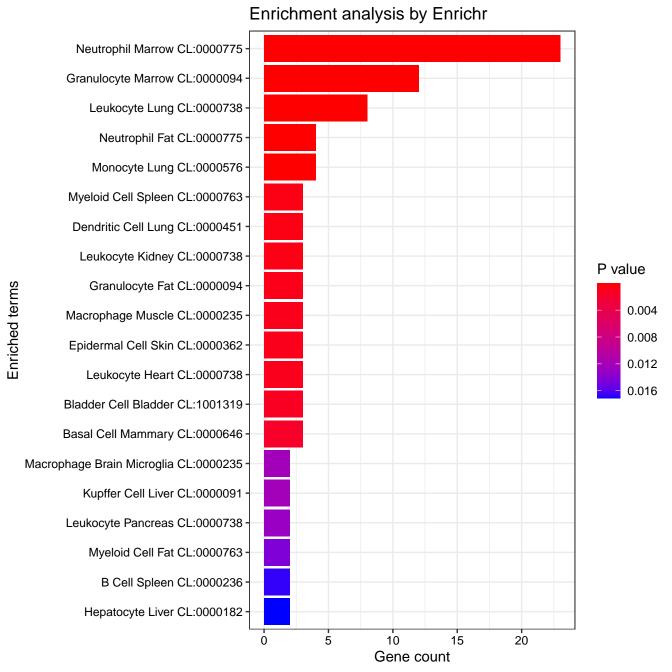


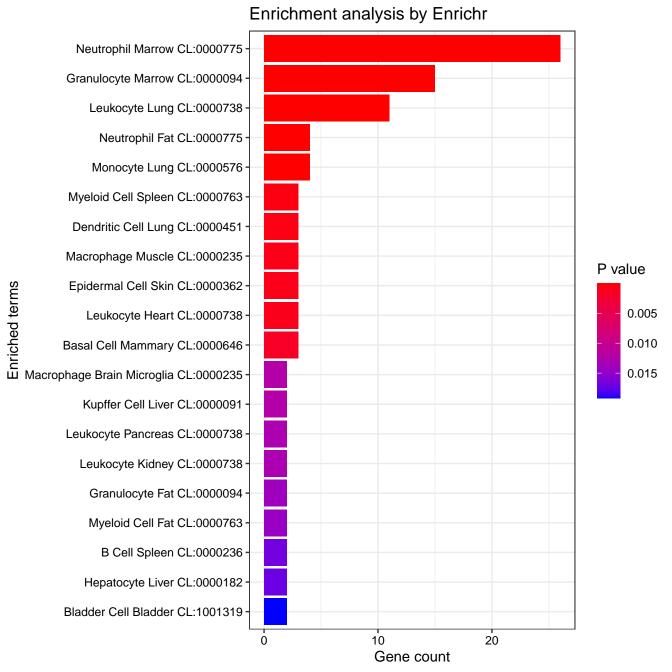


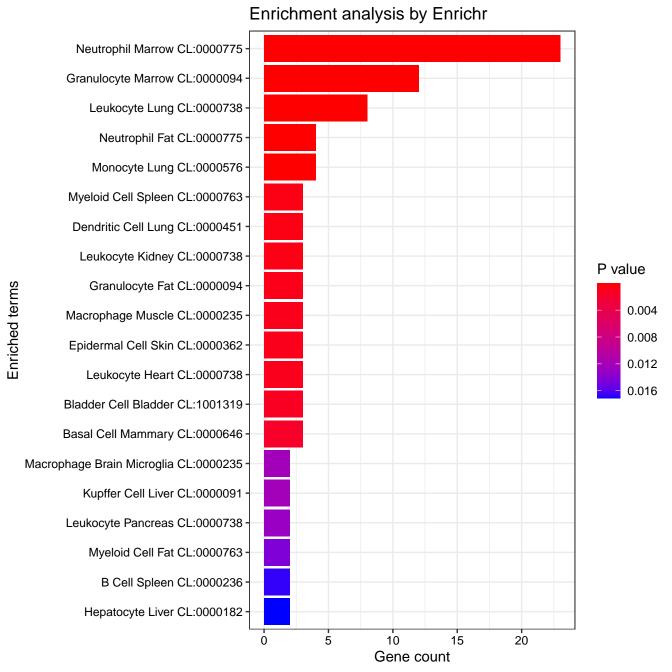


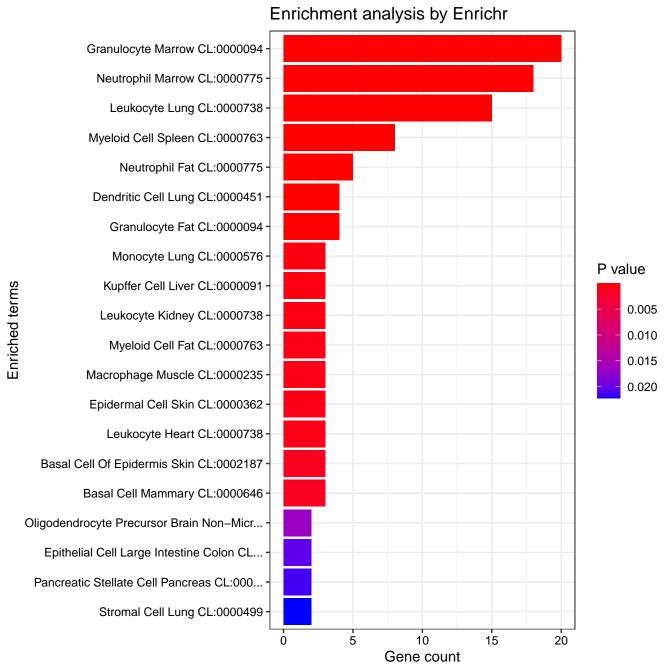


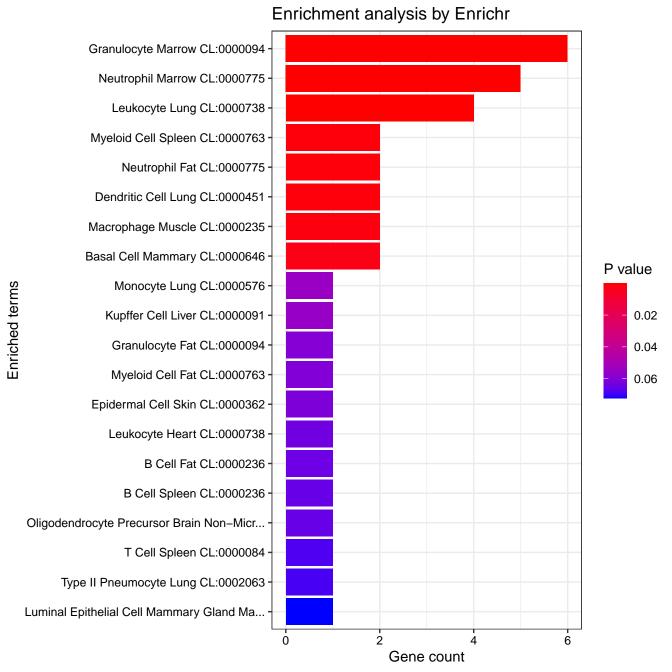


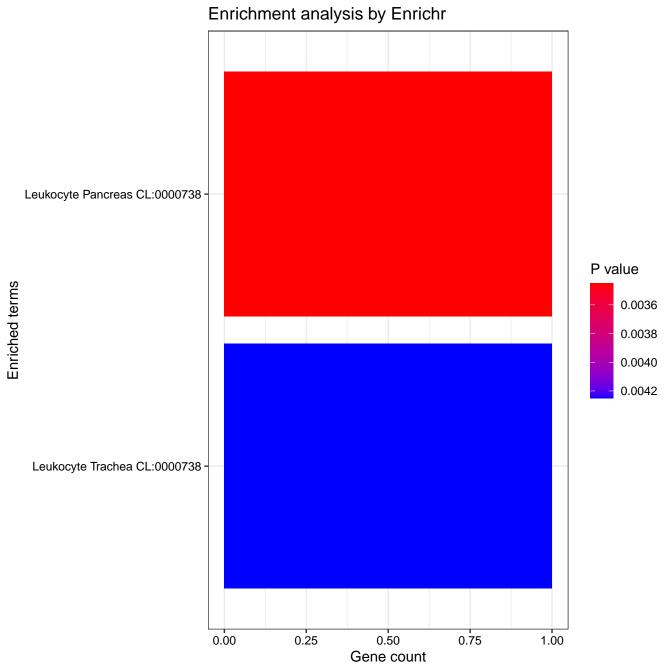


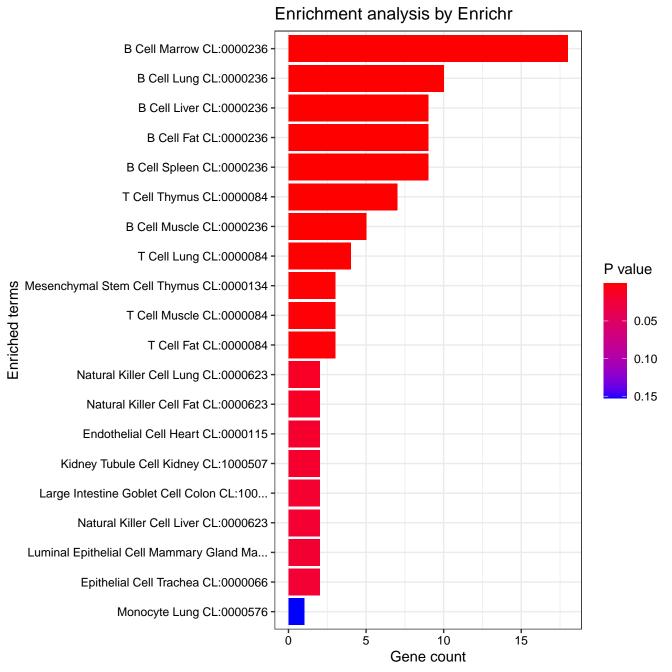


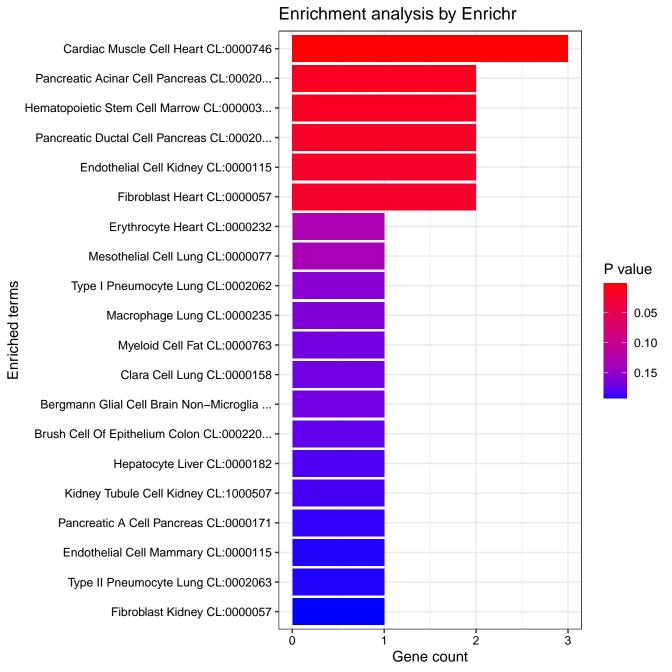


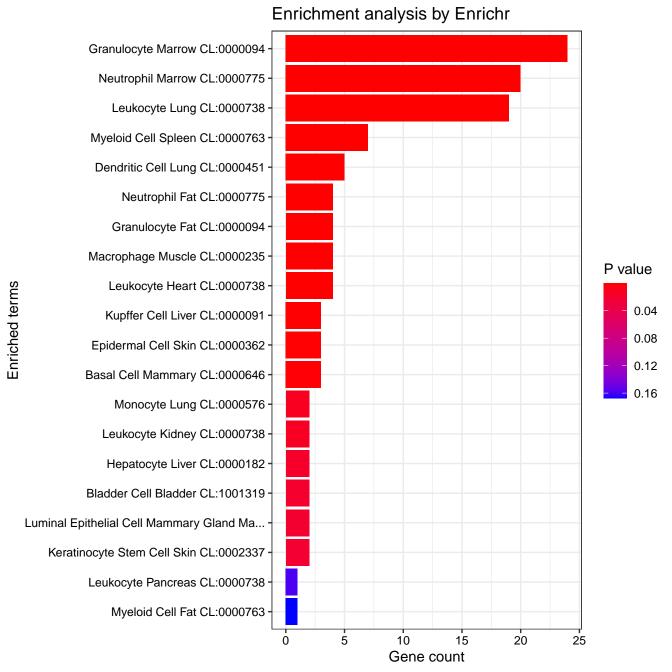


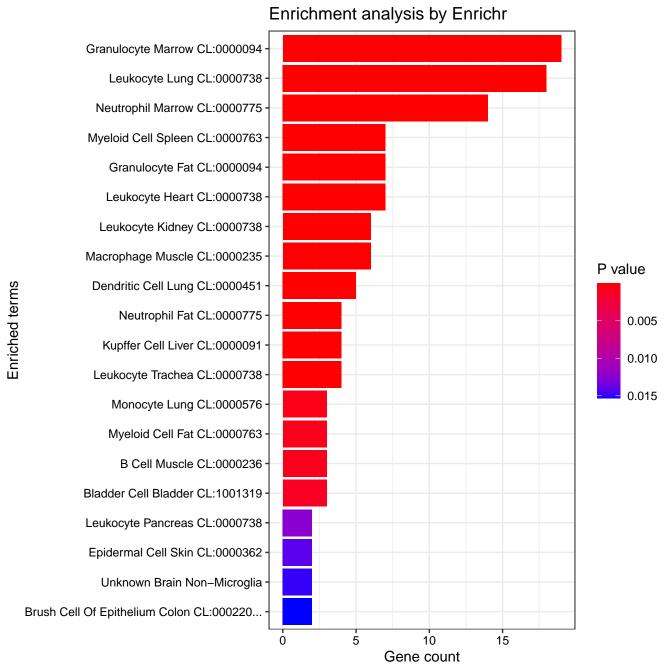


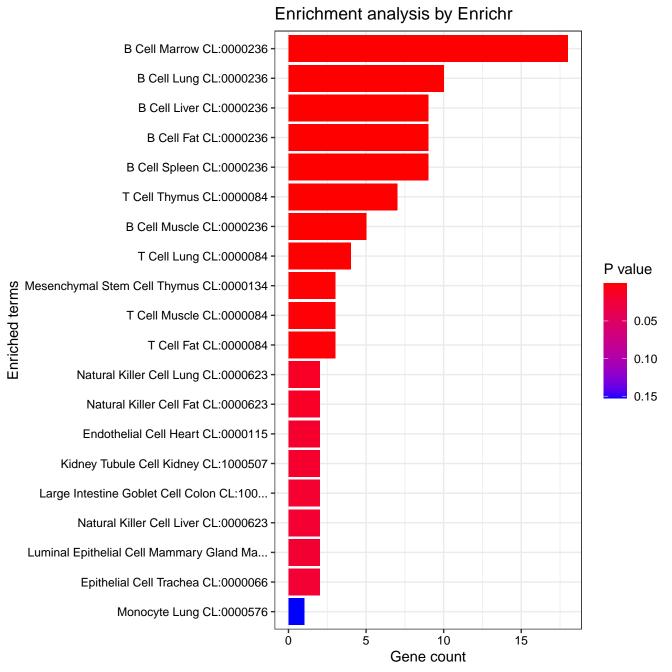


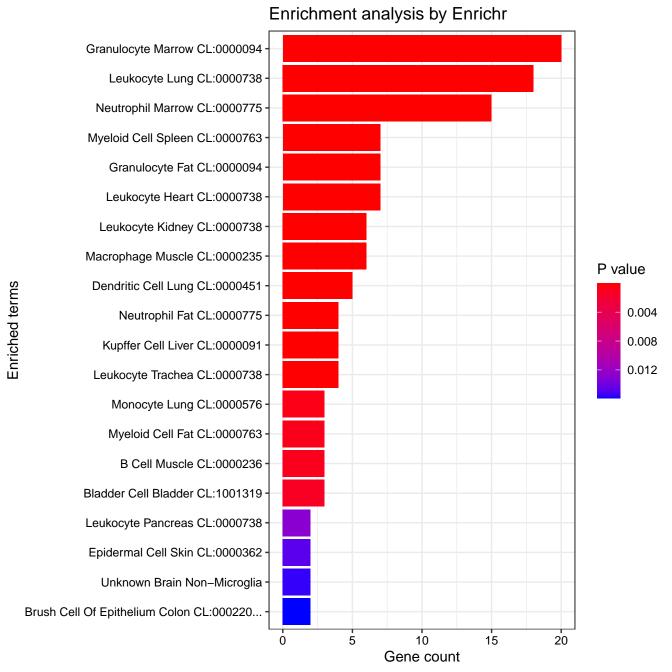


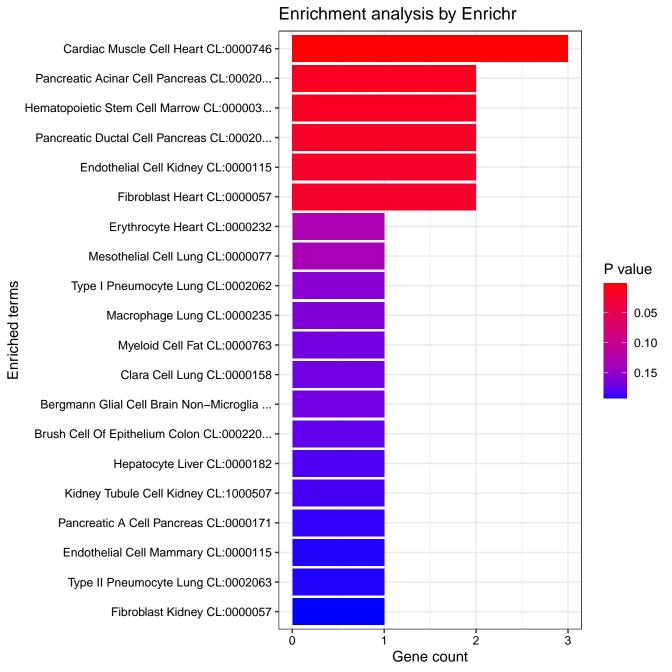


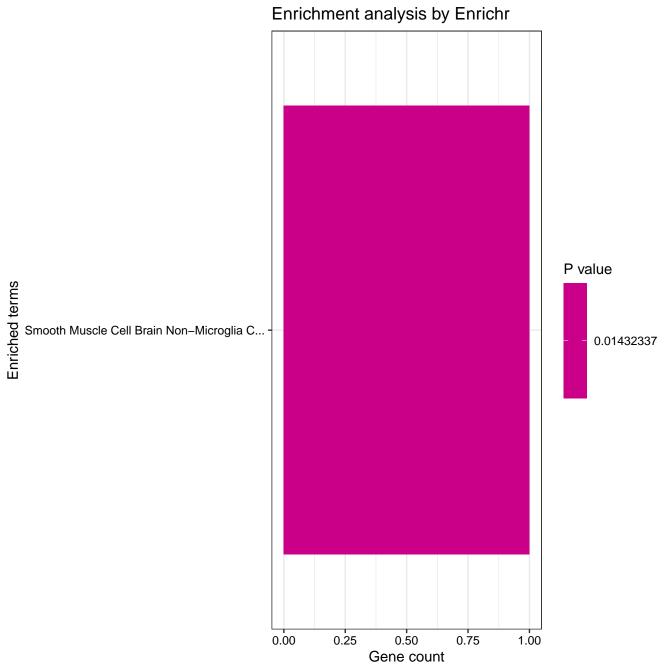


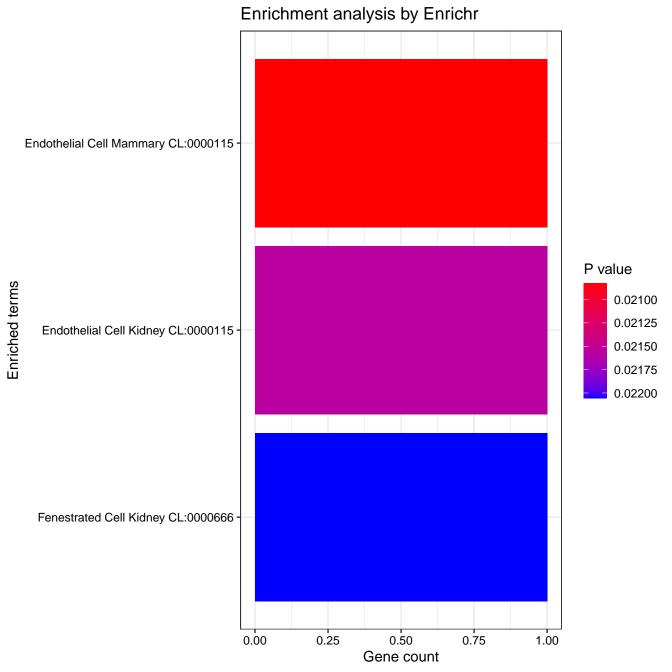


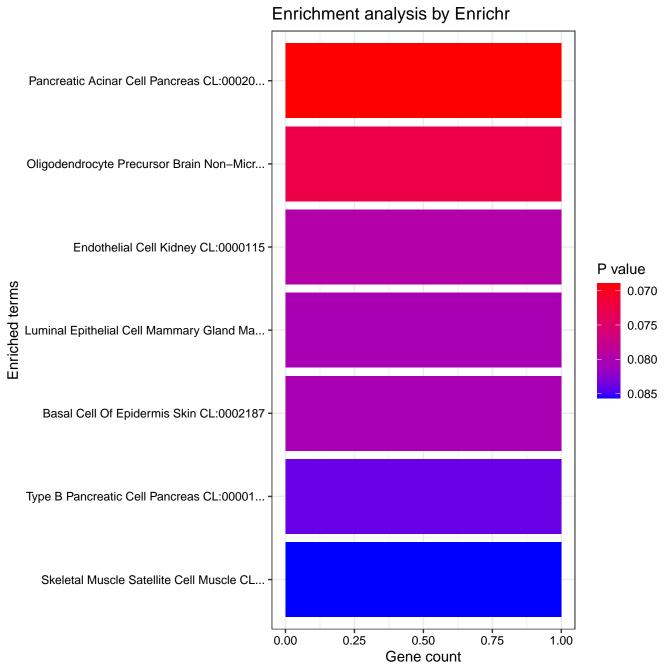


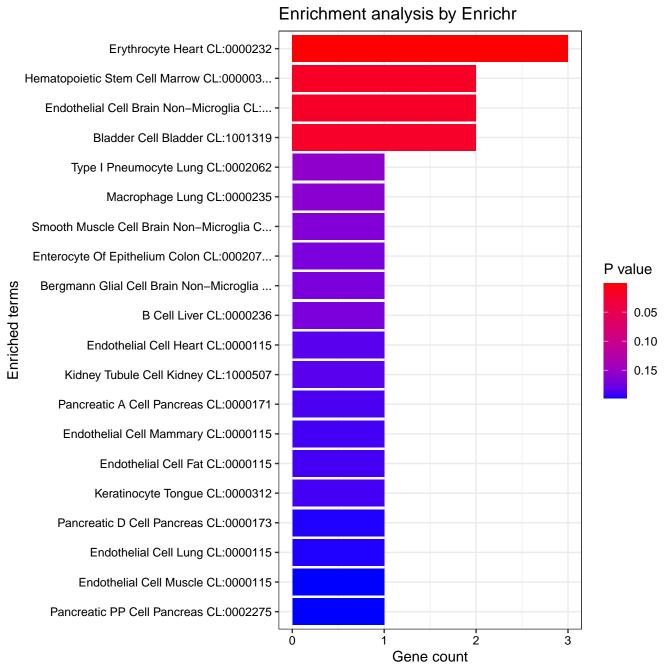










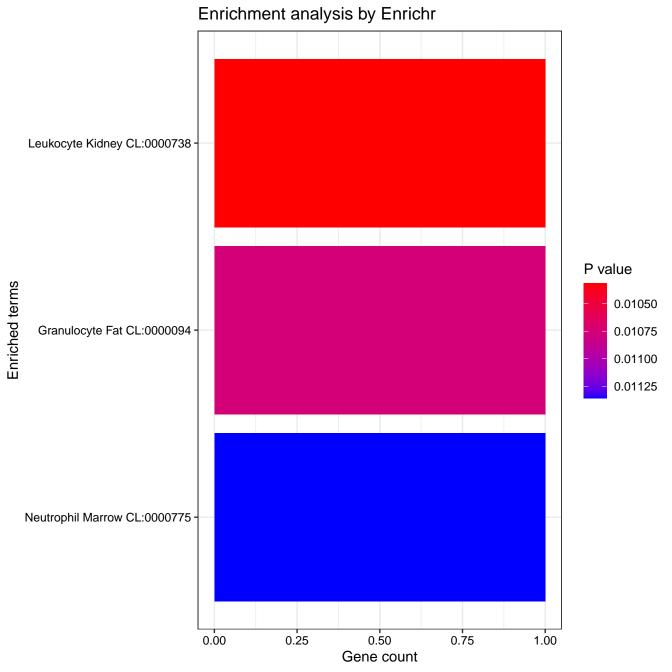


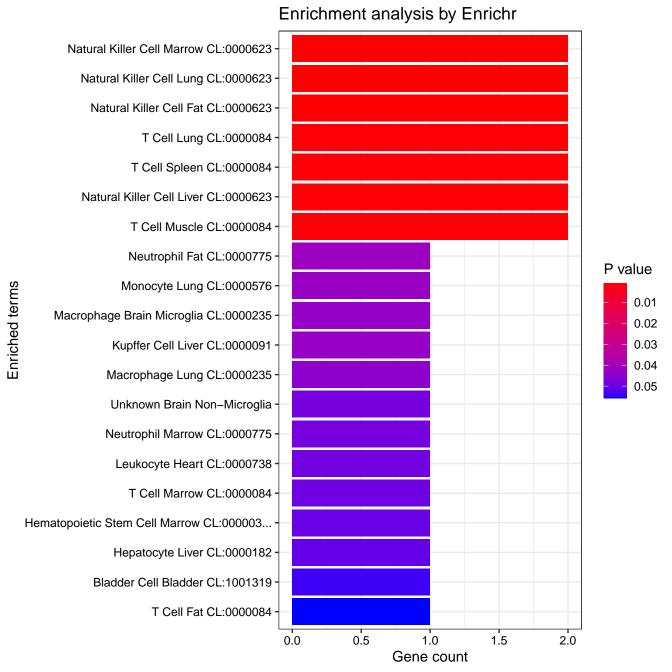
Enrichment analysis by Enrichr Erythrocyte Heart CL:0000232 -Bladder Cell Bladder CL:1001319 -Macrophage Lung CL:0000235 -Bergmann Glial Cell Brain Non-Microglia ... -B Cell Liver CL:0000236 -Hematopoietic Stem Cell Marrow CL:000003... -Hepatocyte Liver CL:0000182 Endothelial Cell Heart CL:0000115 -P value Kidney Tubule Cell Kidney CL:1000507 -**Enriched terms** 0.05 Endothelial Cell Brain Non-Microglia CL:... -0.10 Endothelial Cell Fat CL:0000115 -0.15 Keratinocyte Tongue CL:0000312 -0.20 Endothelial Cell Lung CL:0000115 -Endothelial Cell Muscle CL:0000115 -Pancreatic PP Cell Pancreas CL:0002275 -Epithelial Cell Large Intestine Colon CL... -Oligodendrocyte Brain Non-Microglia CL:0... -Endothelial Cell Hepatic Sinusoid Liver ... -Kidney Collecting Duct Cell Kidney CL:10... -Skeletal Muscle Satellite Cell Muscle CL... -2 0 6 Gene count

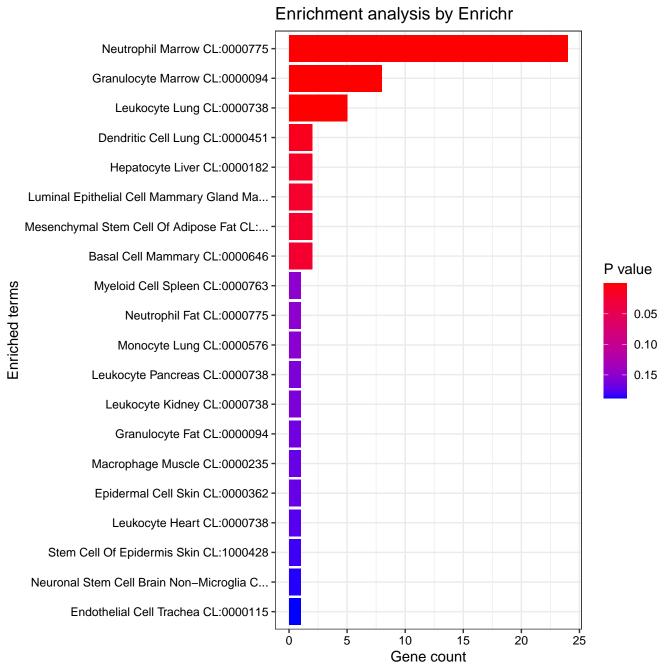
Enrichment analysis by Enrichr Erythrocyte Heart CL:0000232 -Endothelial Cell Brain Non-Microglia CL:... Bladder Cell Bladder CL:1001319 -B Cell Liver CL:0000236 Hematopoietic Stem Cell Marrow CL:000003... -Endothelial Cell Heart CL:0000115 -Kidney Tubule Cell Kidney CL:1000507 Endothelial Cell Mammary CL:0000115 -P value Endothelial Cell Fat CL:0000115 -**Enriched terms** 0.05 Keratinocyte Tongue CL:0000312 -0.10 Endothelial Cell Kidney CL:0000115 -0.15 Endothelial Cell Lung CL:0000115 0.20 Endothelial Cell Muscle CL:0000115 -Pancreatic PP Cell Pancreas CL:0002275 -Epithelial Cell Large Intestine Colon CL ... -Oligodendrocyte Brain Non-Microglia CL:0... -Fenestrated Cell Kidney CL:0000666 -Endothelial Cell Hepatic Sinusoid Liver ... -Kidney Collecting Duct Cell Kidney CL:10... -Skeletal Muscle Satellite Cell Muscle CL... -2 6 0 Gene count

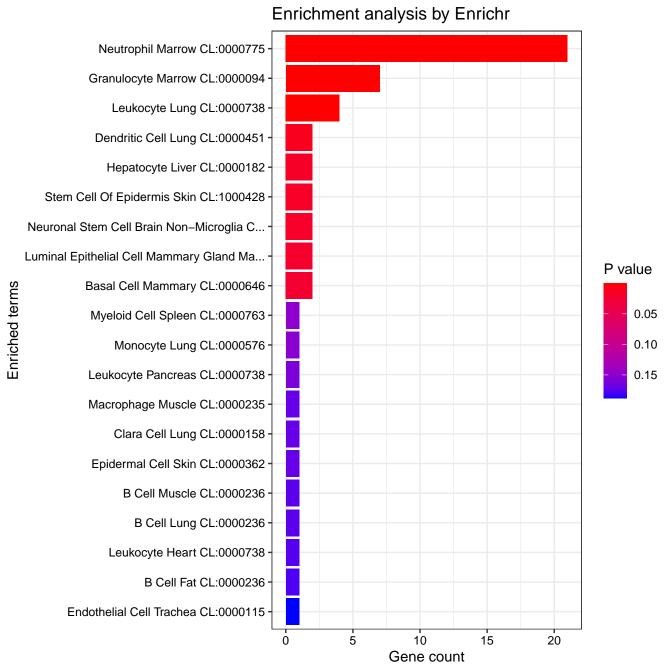
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Enrichment analysis by Enrichr Erythrocyte Heart CL:0000232 -Hematopoietic Stem Cell Marrow CL:000003... -Type I Pneumocyte Lung CL:0002062 -Macrophage Lung CL:0000235 Enterocyte Of Epithelium Colon CL:000207... -Bergmann Glial Cell Brain Non-Microglia ... -B Cell Liver CL:0000236 Pancreatic Acinar Cell Pancreas CL:00020... -P value Oligodendrocyte Precursor Brain Non-Micr... -**Enriched terms** 0.05 Endothelial Cell Heart CL:0000115 -0.10 Kidney Tubule Cell Kidney CL:1000507 -0.15 Pancreatic A Cell Pancreas CL:0000171 -Endothelial Cell Mammary CL:0000115 Endothelial Cell Brain Non-Microglia CL:... -Endothelial Cell Fat CL:0000115 Keratinocyte Tongue CL:0000312 -Bladder Cell Bladder CL:1001319 -Pancreatic D Cell Pancreas CL:0000173 -Endothelial Cell Kidney CL:0000115 -Endothelial Cell Lung CL:0000115 0.5 1.5 0.0 1.0 2.0 Gene count

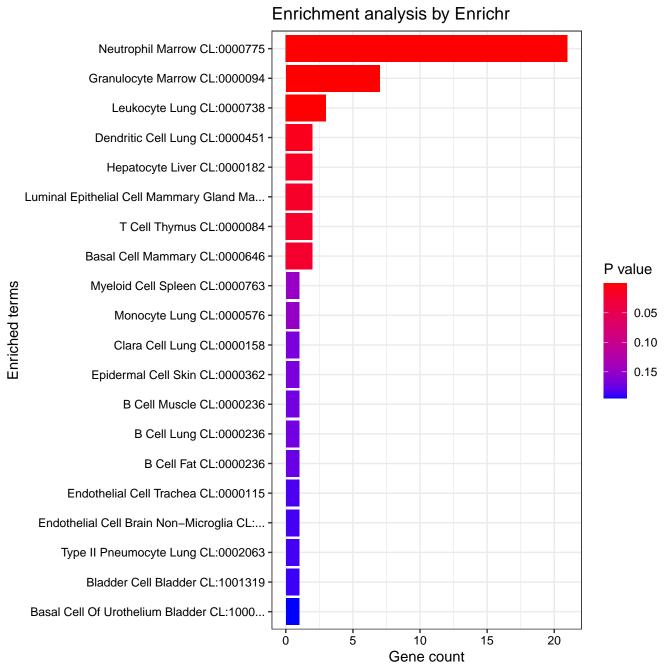


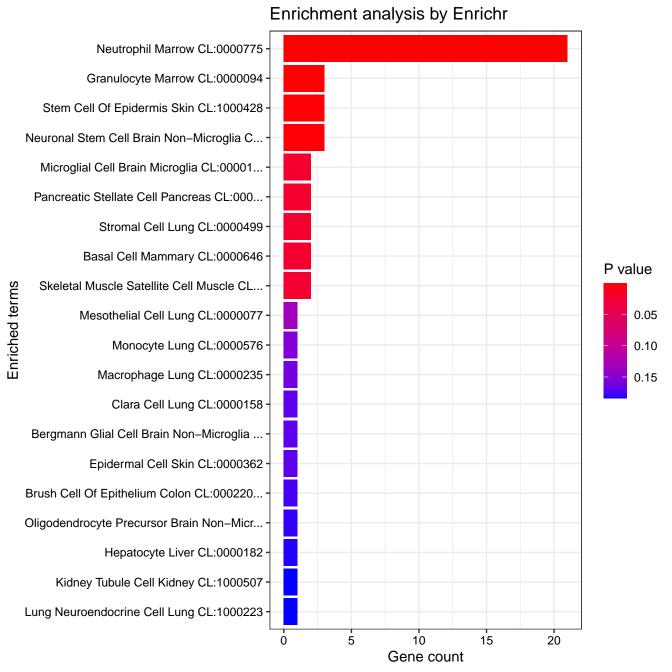


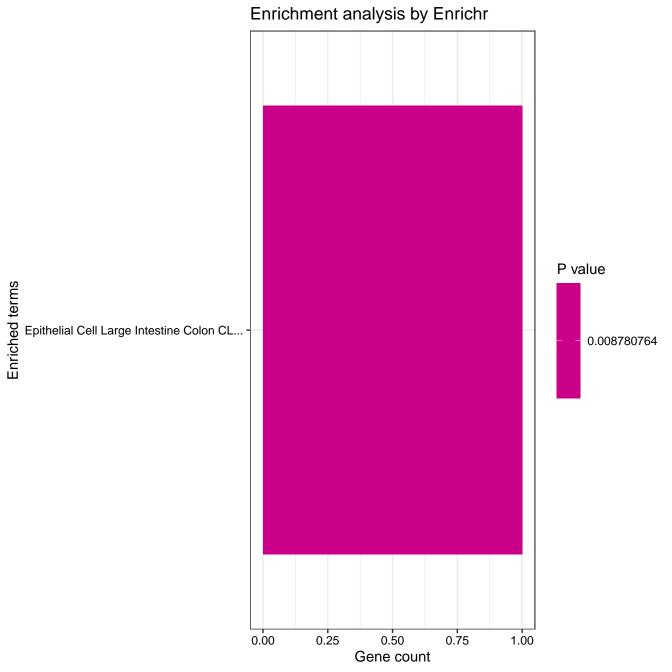


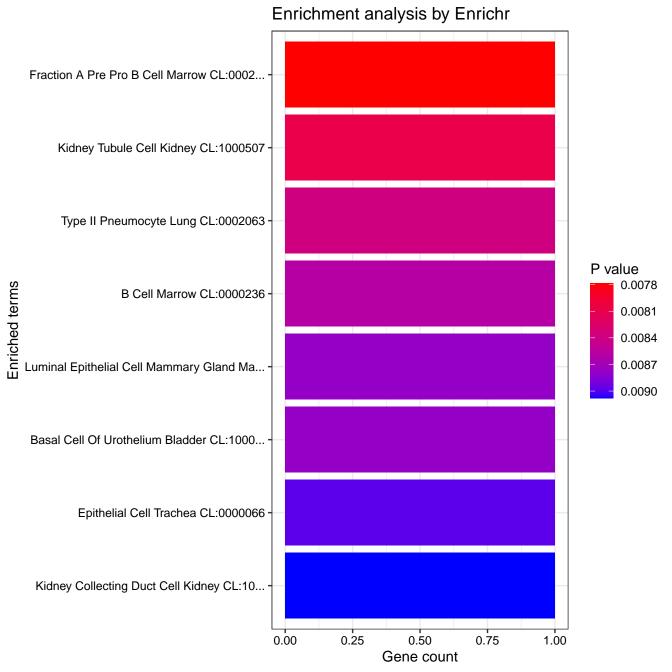


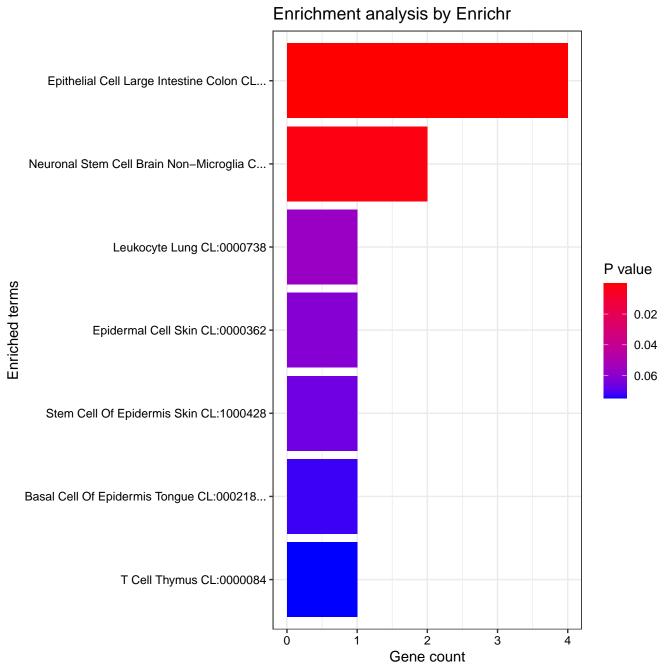
Enrichment analysis by Enrichr Neutrophil Marrow CL:0000775 · Granulocyte Marrow CL:0000094 Leukocyte Lung CL:0000738 -Hepatocyte Liver CL:0000182 -Neutrophil Fat CL:0000775 Dendritic Cell Lung CL:0000451 -Natural Killer Cell Marrow CL:0000623 Natural Killer Cell Lung CL:0000623 P value Natural Killer Cell Fat CL:0000623 -**Enriched terms** Macrophage Lung CL:0000235 0.05 T Cell Lung CL:0000084 -0.10 T Cell Spleen CL:0000084 -0.15 Natural Killer Cell Liver CL:0000623 · T Cell Muscle CL:0000084 · T Cell Thymus CL:0000084 Myeloid Cell Spleen CL:0000763 -Monocyte Lung CL:0000576 -Macrophage Brain Microglia CL:0000235 Kupffer Cell Liver CL:0000091 -B Cell Muscle CL:0000236 -10 Gene count

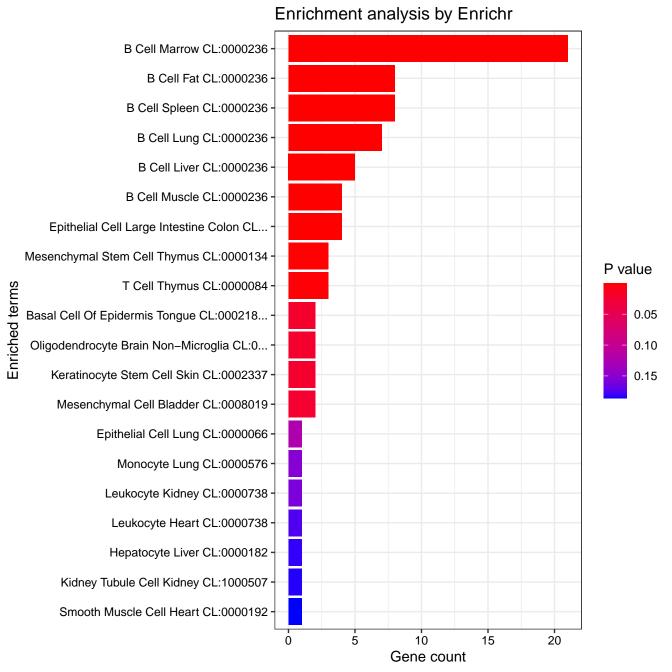


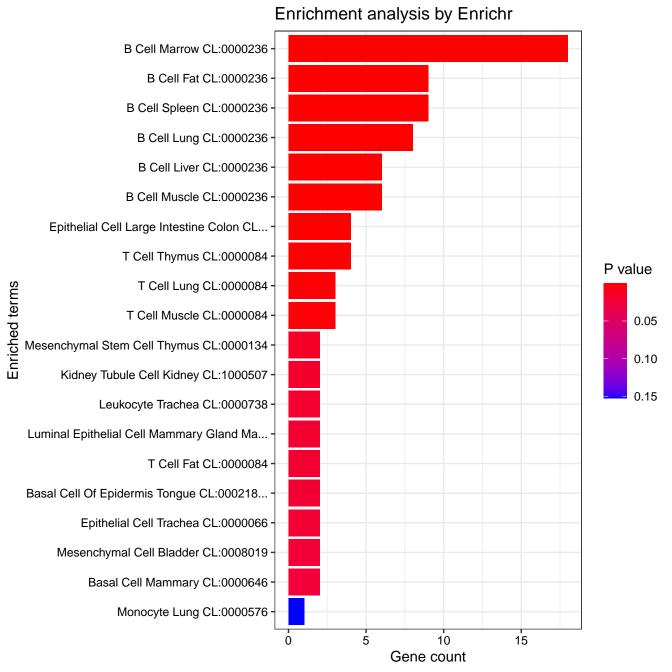


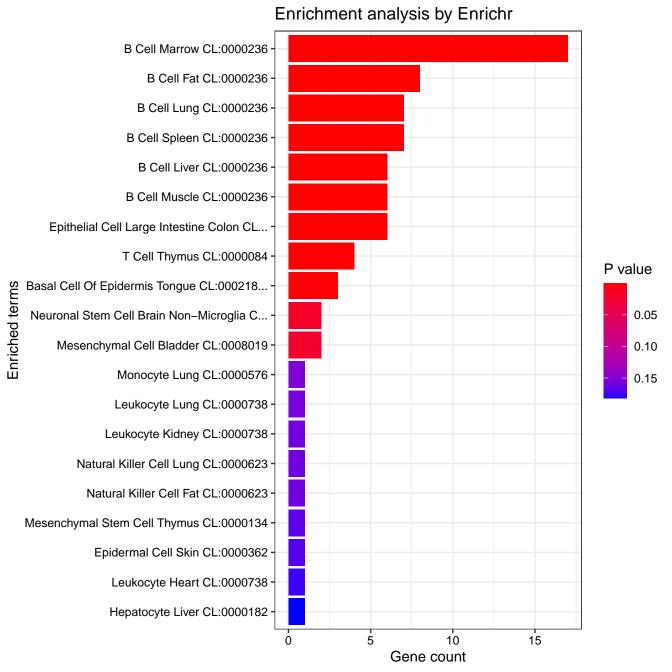


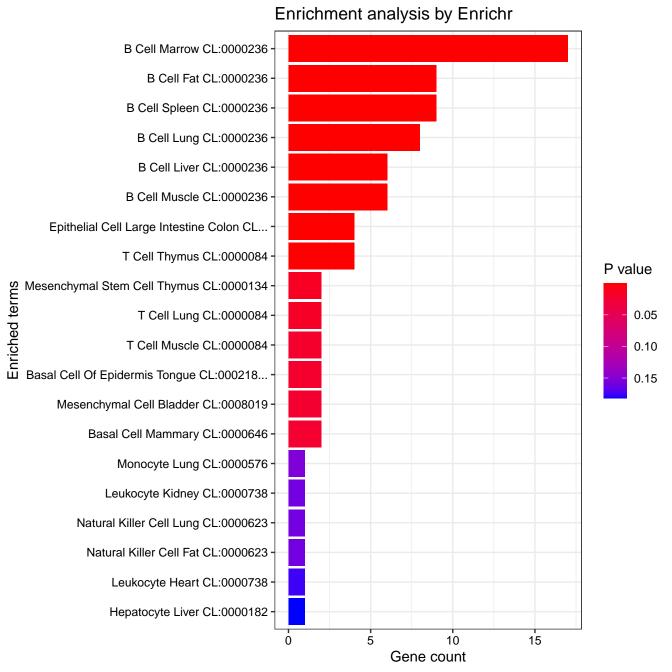


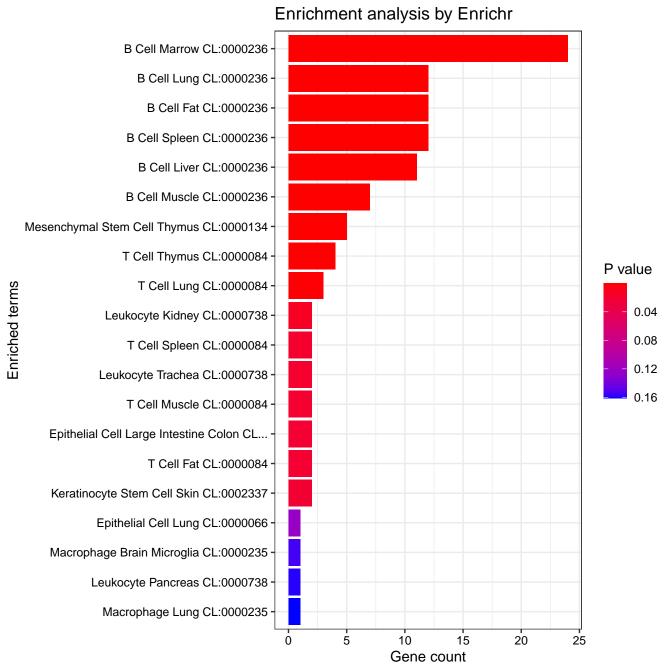


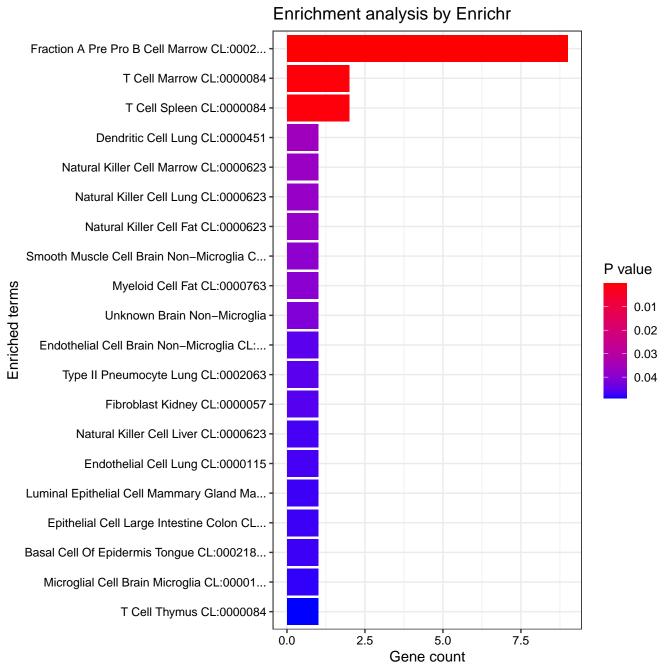


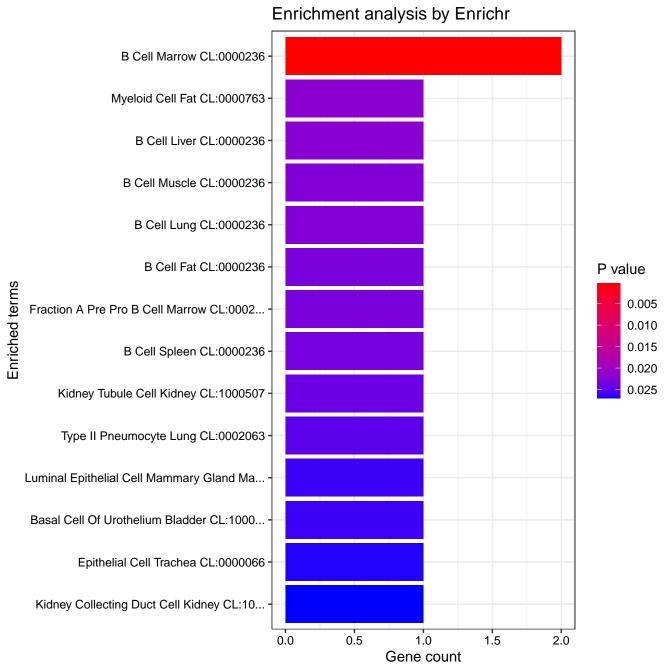


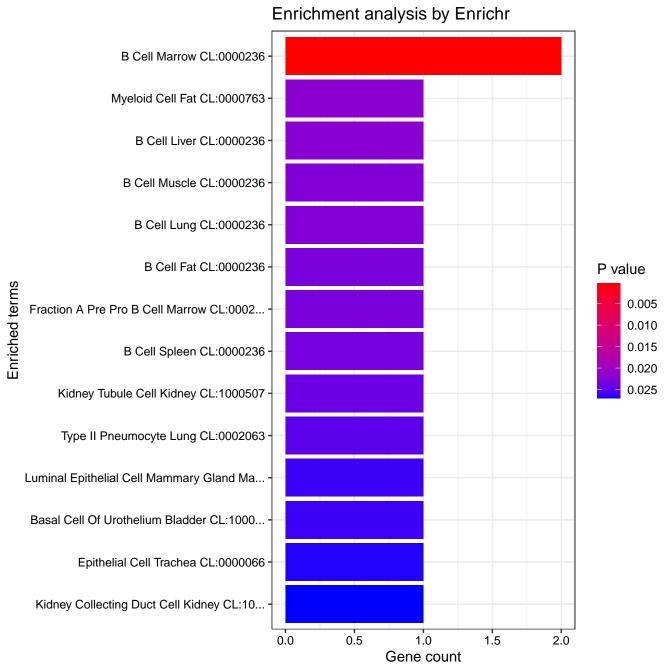


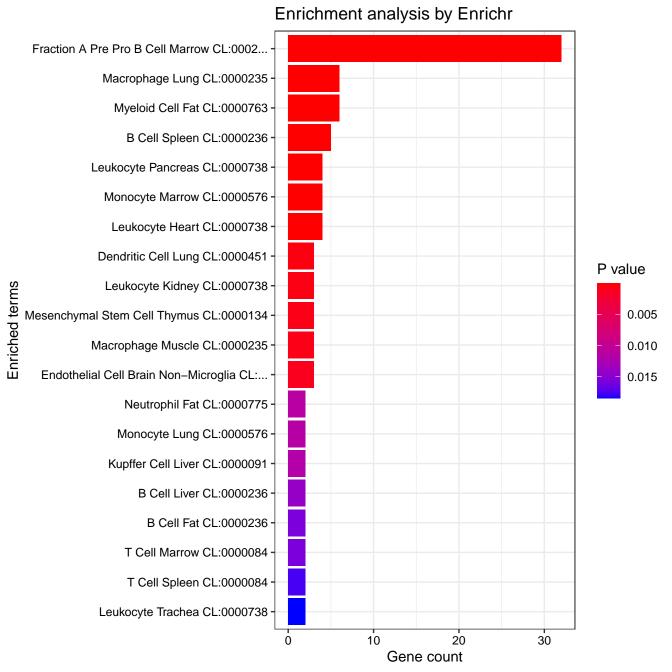




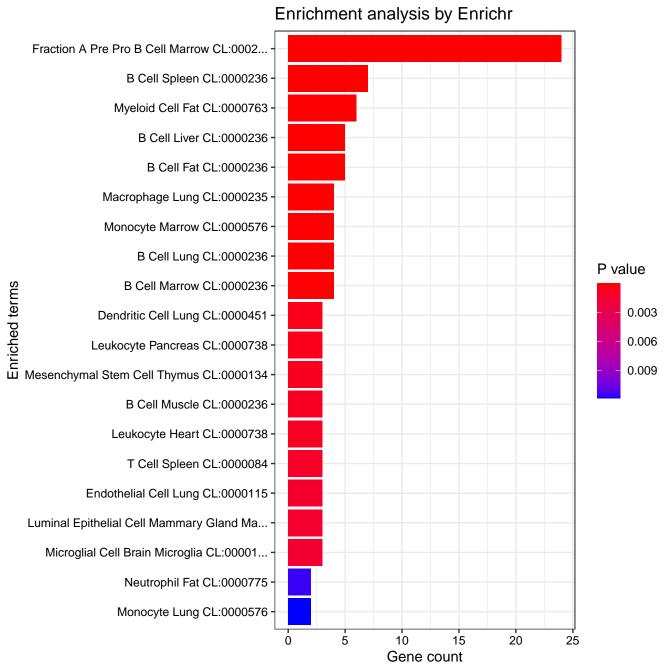




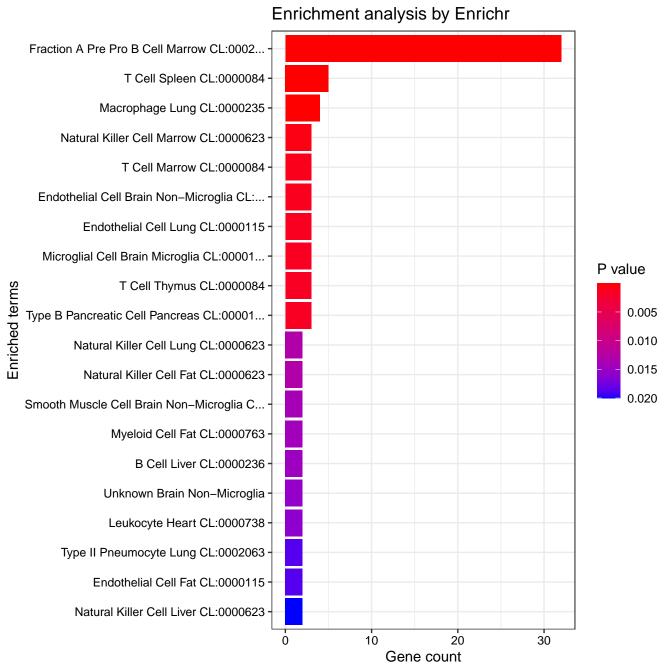


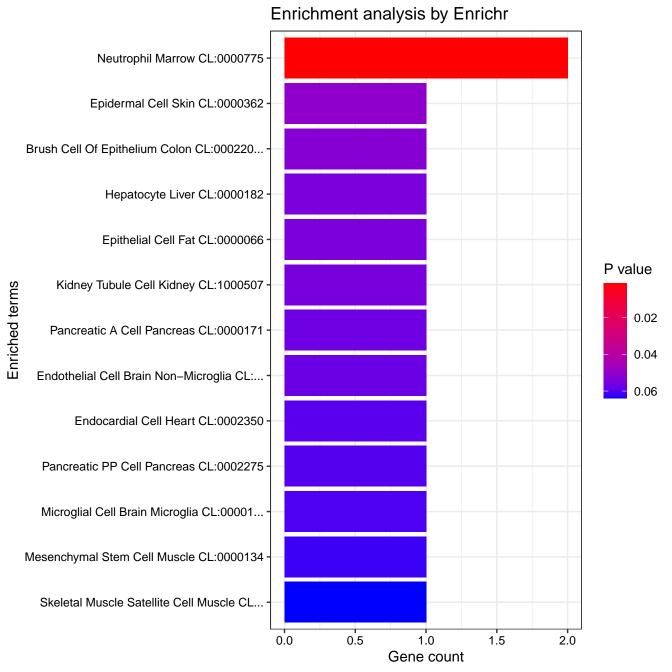


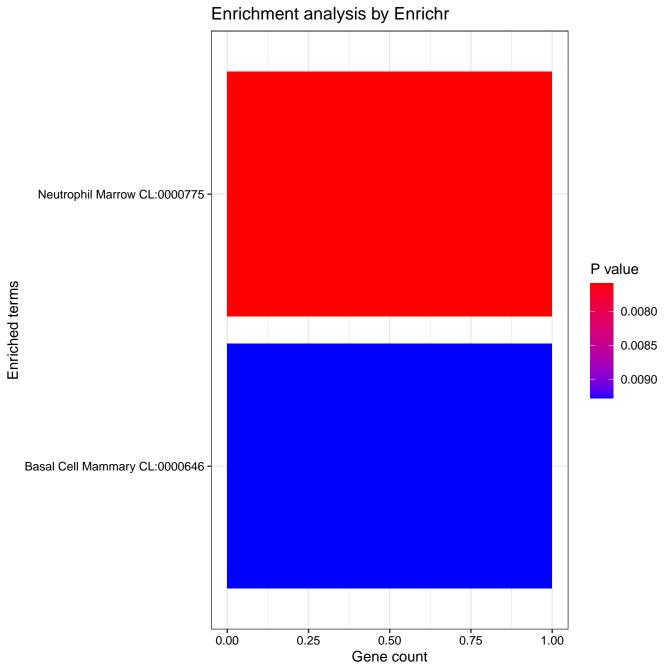
Enrichment analysis by Enrichr Fraction A Pre Pro B Cell Marrow CL:0002... B Cell Spleen CL:0000236 -Myeloid Cell Fat CL:0000763 -Monocyte Marrow CL:0000576 Leukocyte Heart CL:0000738 -B Cell Fat CL:0000236 -Dendritic Cell Lung CL:0000451 Monocyte Lung CL:0000576 -P value Kupffer Cell Liver CL:0000091 -**Enriched terms** 0.0003 Leukocyte Pancreas CL:0000738 -0.0006 Leukocyte Kidney CL:0000738 -0.0009 Macrophage Lung CL:0000235 -0.0012 B Cell Liver CL:0000236 -B Cell Lung CL:0000236 -Leukocyte Trachea CL:0000738 -Neutrophil Fat CL:0000775 -Mesenchymal Stem Cell Thymus CL:0000134 -Macrophage Muscle CL:0000235 -T Cell Spleen CL:0000084 -Endothelial Cell Brain Non-Microglia CL:... -0 5 10 15 Gene count

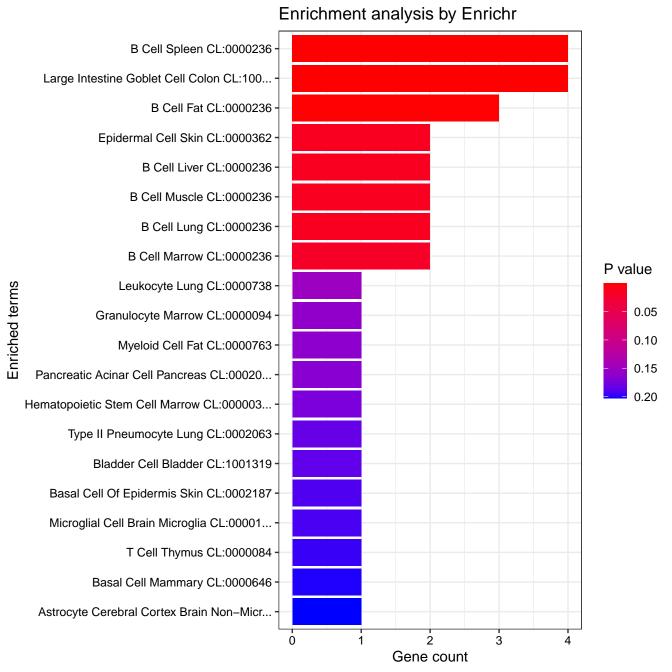


Enrichment analysis by Enrichr Fraction A Pre Pro B Cell Marrow CL:0002... B Cell Spleen CL:0000236 -Myeloid Cell Fat CL:0000763 -Monocyte Marrow CL:0000576 Leukocyte Heart CL:0000738 -B Cell Fat CL:0000236 -Dendritic Cell Lung CL:0000451 Monocyte Lung CL:0000576 -P value Kupffer Cell Liver CL:0000091 -**Enriched terms** 0.0003 Leukocyte Pancreas CL:0000738 -0.0006 Leukocyte Kidney CL:0000738 -0.0009 Macrophage Lung CL:0000235 -0.0012 B Cell Liver CL:0000236 -B Cell Lung CL:0000236 -Leukocyte Trachea CL:0000738 -Neutrophil Fat CL:0000775 -Mesenchymal Stem Cell Thymus CL:0000134 -Macrophage Muscle CL:0000235 -T Cell Spleen CL:0000084 -Endothelial Cell Brain Non-Microglia CL:... -0 5 10 15 Gene count

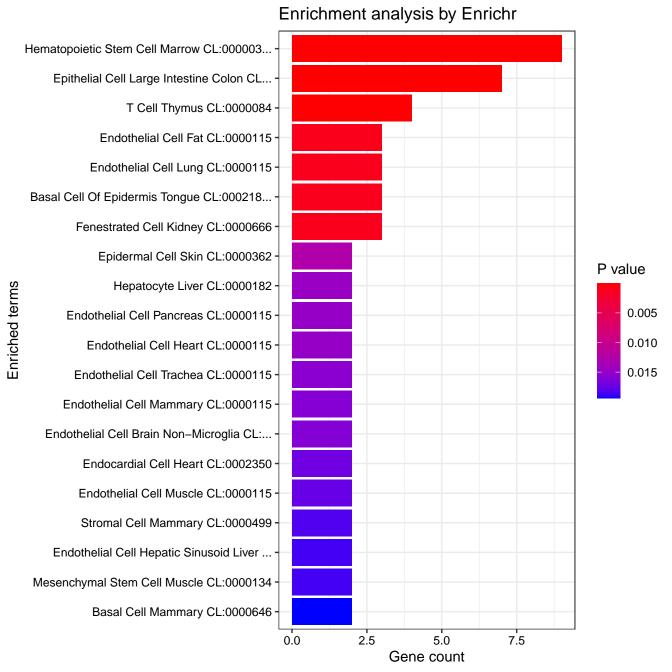




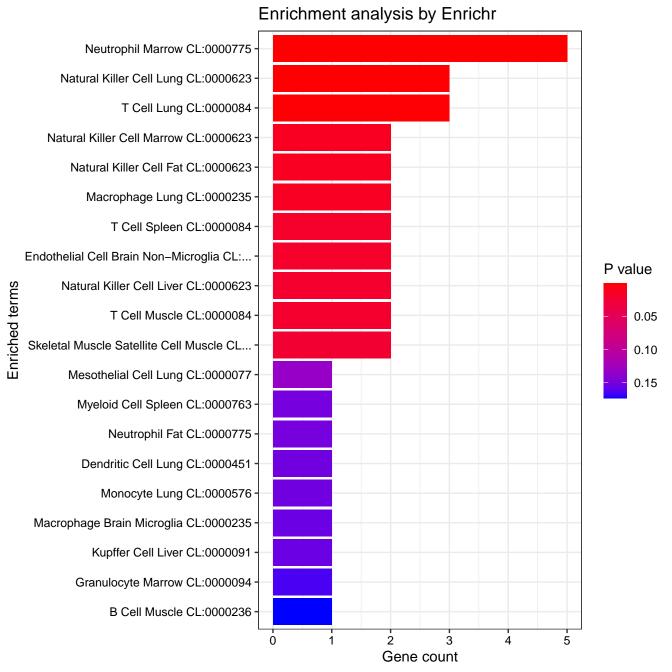


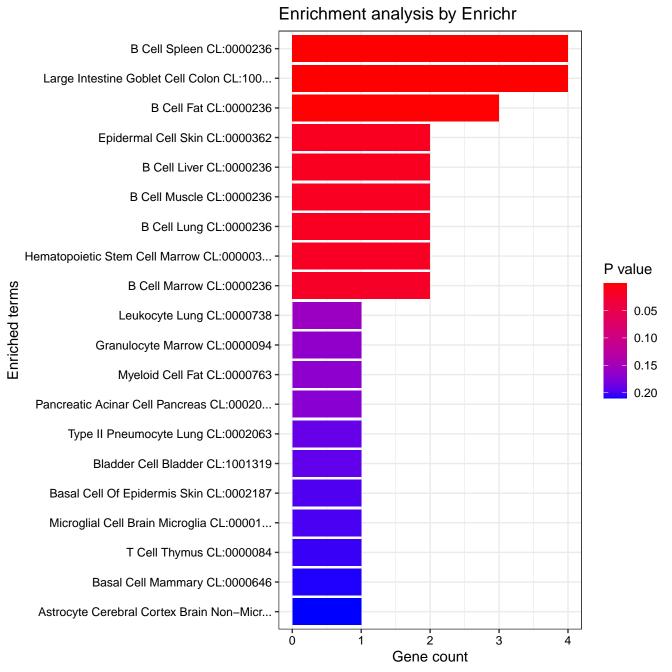


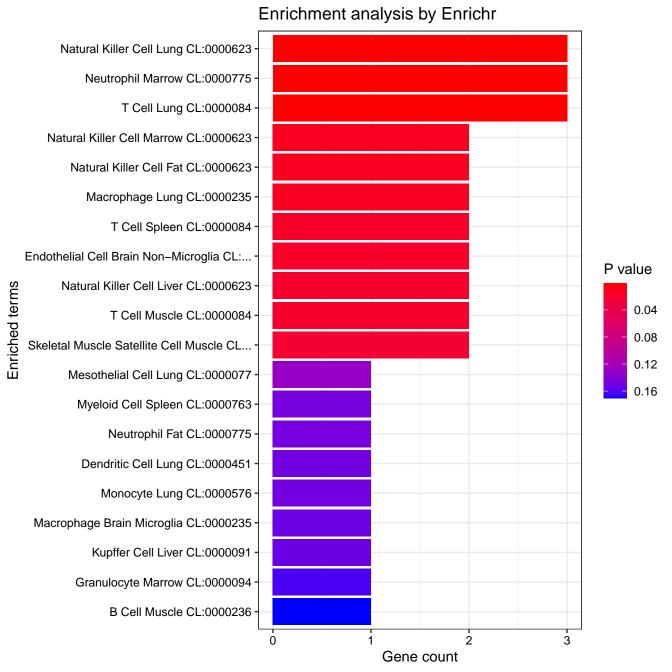
Enrichment analysis by Enrichr P value 0.003499947 0.00 0.25 0.50 0.75 1.00 Gene count



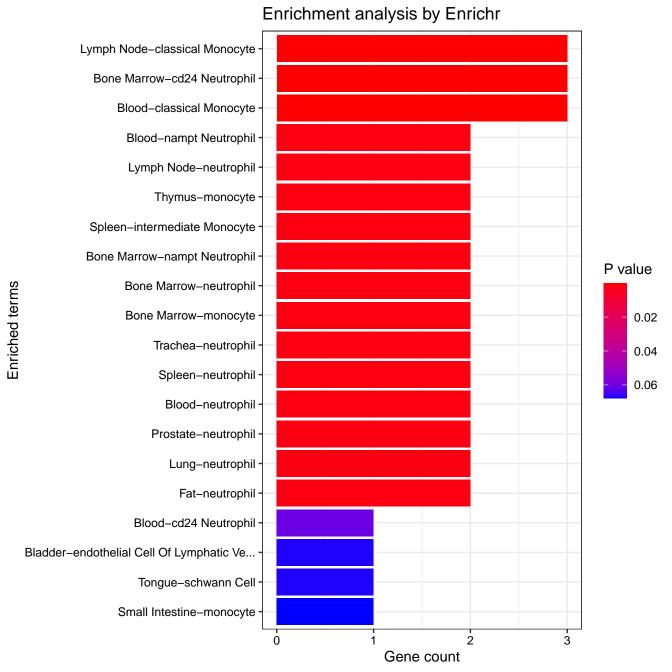
Enrichment analysis by Enrichr Neutrophil Marrow CL:0000775 -Natural Killer Cell Lung CL:0000623 -Natural Killer Cell Marrow CL:0000623 -Natural Killer Cell Fat CL:0000623 -Macrophage Lung CL:0000235 -Hematopoietic Stem Cell Marrow CL:000003... -Hepatocyte Liver CL:0000182 T Cell Lung CL:0000084 -P value T Cell Spleen CL:0000084 -**Enriched terms** Endothelial Cell Brain Non-Microglia CL:... -0.05 Natural Killer Cell Liver CL:0000623 -0.10 T Cell Muscle CL:0000084 -0.15 Skeletal Muscle Satellite Cell Muscle CL... -Mesothelial Cell Lung CL:0000077 -Neutrophil Fat CL:0000775 Monocyte Lung CL:0000576 -Macrophage Brain Microglia CL:0000235 -Kupffer Cell Liver CL:0000091 -Epidermal Cell Skin CL:0000362 -Unknown Brain Non-Microglia -0 Gene count



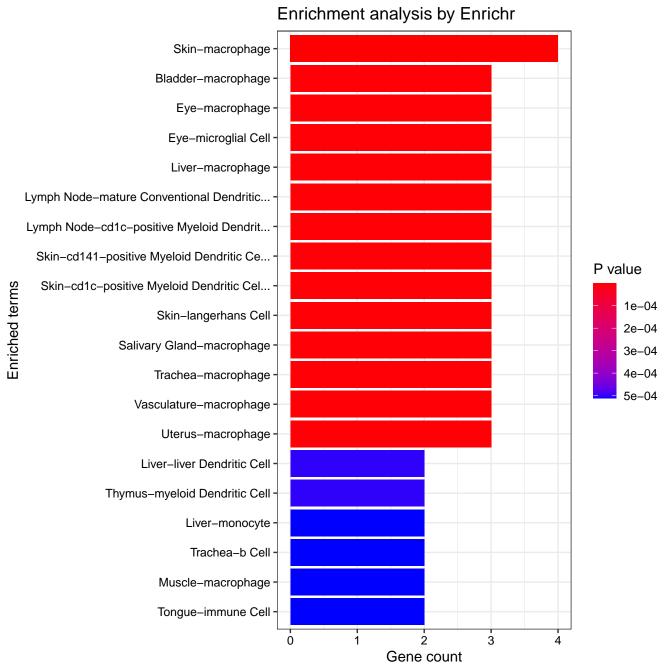


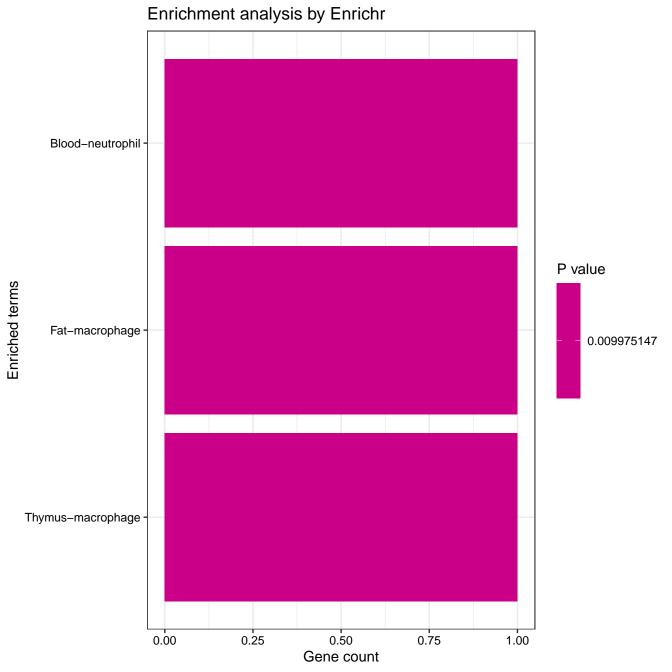


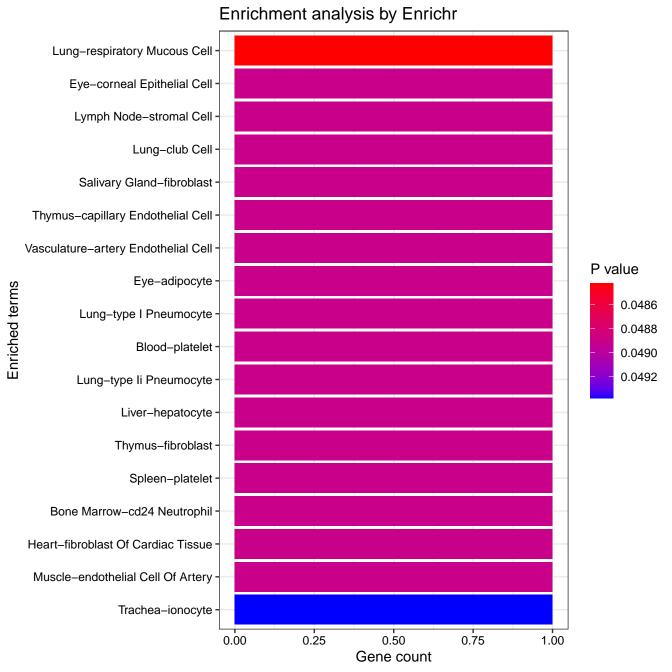
Enrichment analysis by Enrichr Hematopoietic Stem Cell Marrow CL:000003... Epithelial Cell Large Intestine Colon CL... T Cell Thymus CL:0000084 -Endothelial Cell Fat CL:0000115 Endothelial Cell Lung CL:0000115 -Basal Cell Of Epidermis Tongue CL:000218... -Fenestrated Cell Kidney CL:0000666 Epidermal Cell Skin CL:0000362 -P value Hepatocyte Liver CL:0000182 -**Enriched terms** 0.005 Endothelial Cell Pancreas CL:0000115 -0.010 Endothelial Cell Heart CL:0000115 -0.015 Endothelial Cell Trachea CL:0000115 0.020 Endothelial Cell Mammary CL:0000115 Endothelial Cell Brain Non-Microglia CL:... -Endocardial Cell Heart CL:0002350 -Endothelial Cell Muscle CL:0000115 Stromal Cell Mammary CL:0000499 -Endothelial Cell Hepatic Sinusoid Liver ... -Mesenchymal Stem Cell Muscle CL:0000134 -Basal Cell Mammary CL:0000646 -2.5 5.0 7.5 0.0 10.0 12.5 Gene count

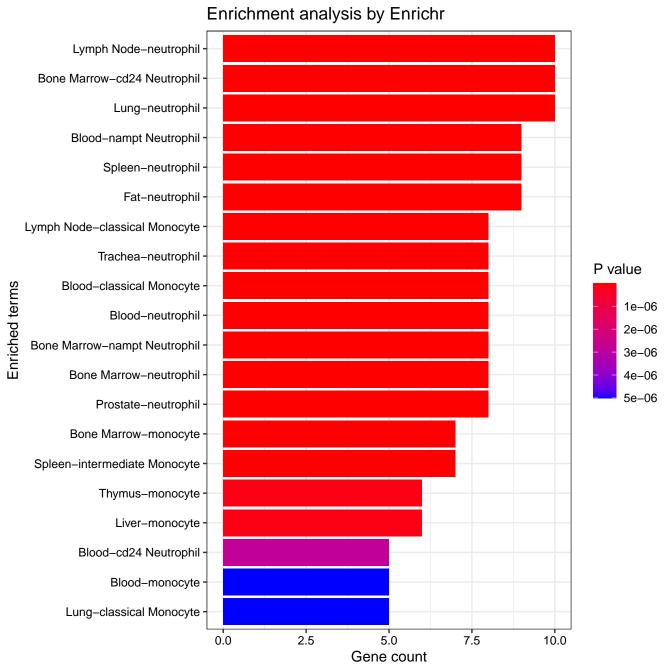


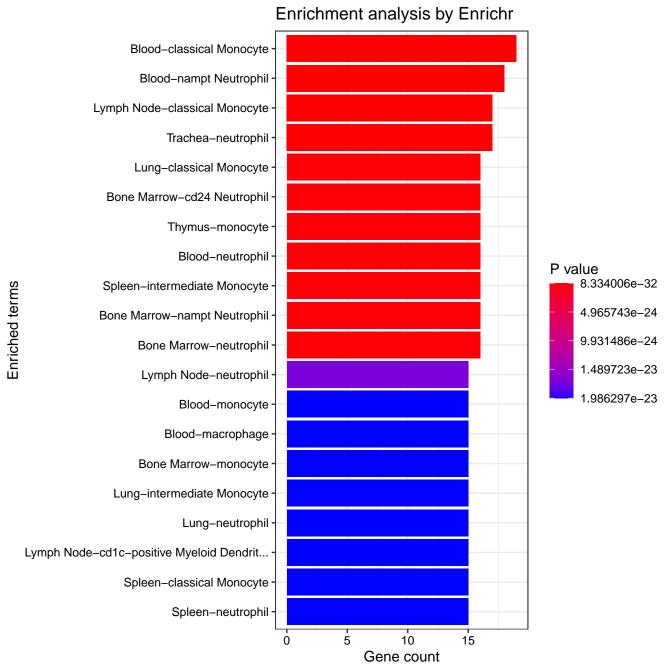
Enrichment analysis by Enrichr Blood-nampt Neutrophil -Blood-neutrophil -Lymph Node-neutrophil -Lung-basophil -Lung-macrophage -Bone Marrow-cd24 Neutrophil -Lung-neutrophil -Spleen-neutrophil -P value Thymus-macrophage -**Enriched terms** Trachea-macrophage -2e-06 Vasculature-macrophage -4e-06 Uterus-macrophage -6e-06 Trachea-neutrophil -Spleen-intermediate Monocyte -Fat-macrophage Fat-neutrophil -Bone Marrow-nampt Neutrophil -Bone Marrow-neutrophil -Prostate-neutrophil -Blood-cd24 Neutrophil -0 4 5 Gene count

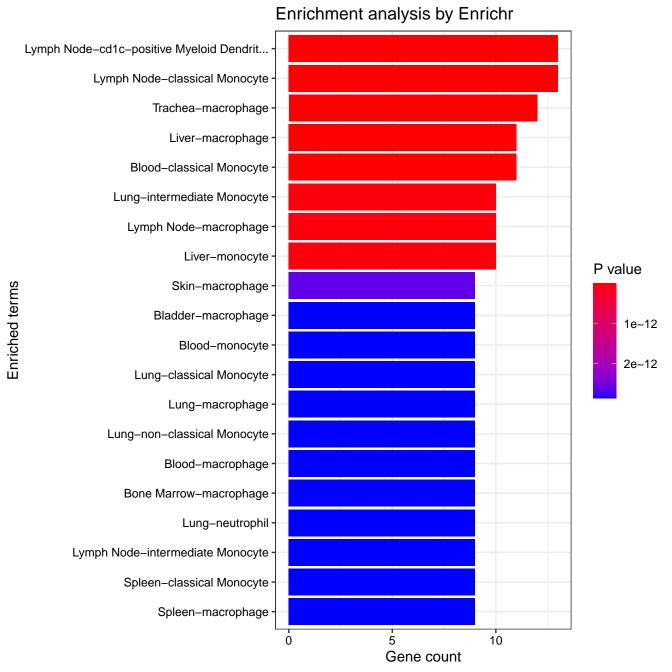


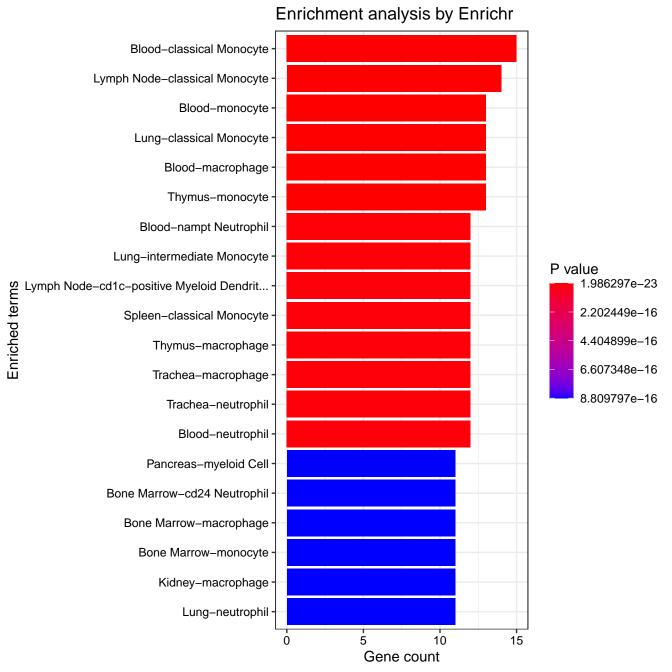


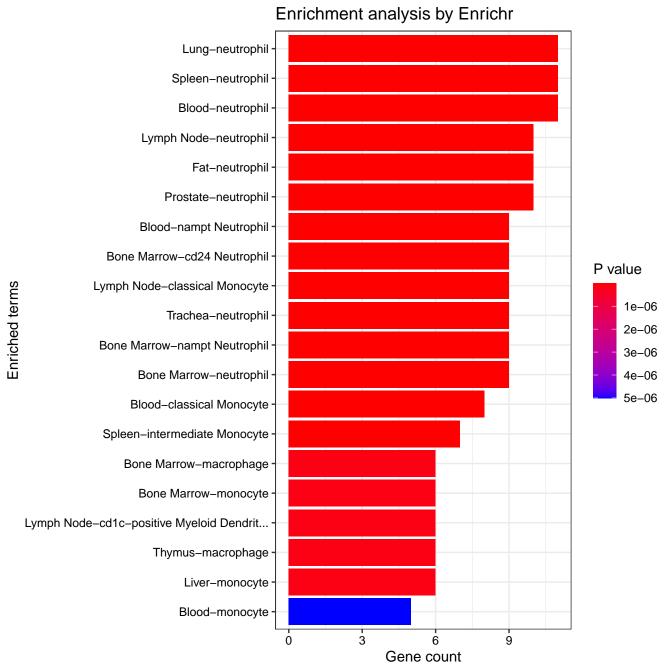


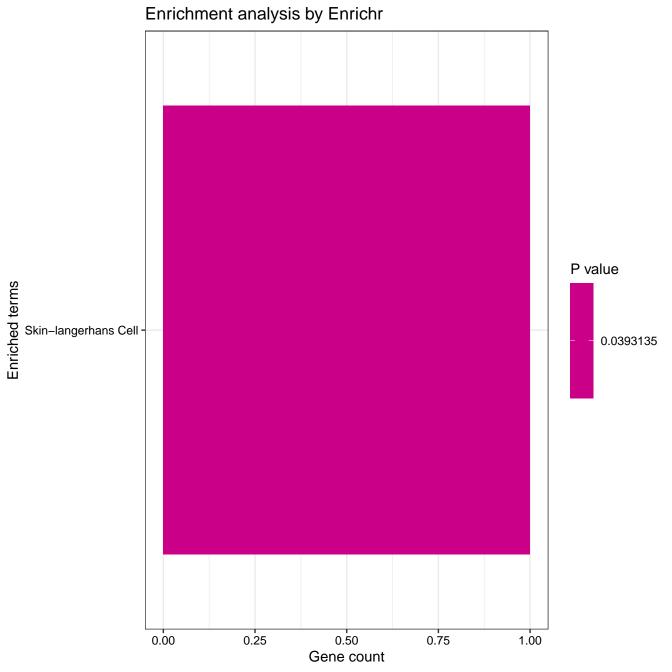


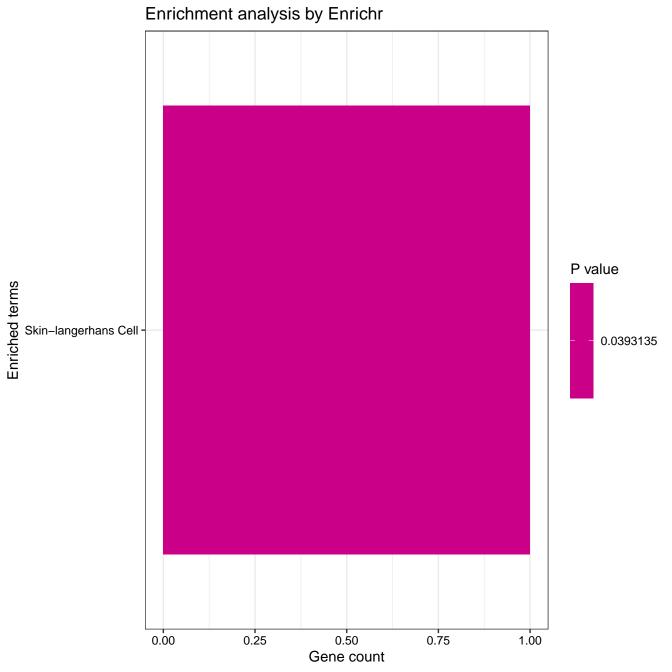


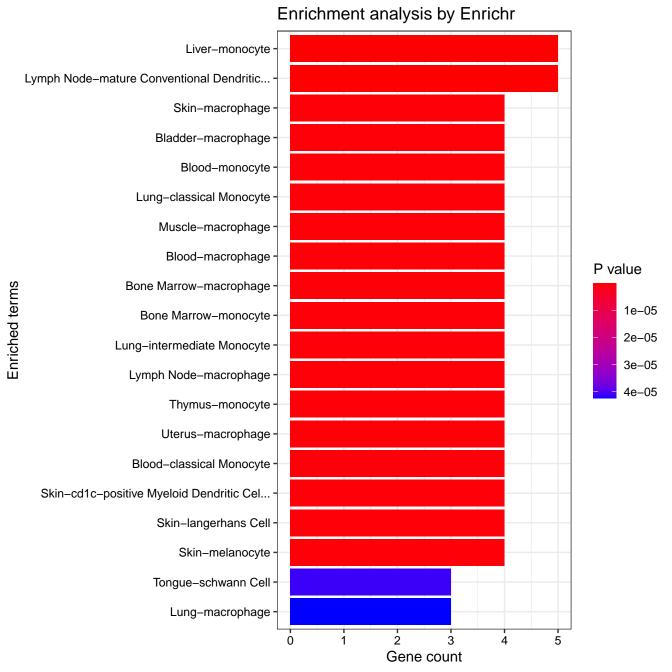


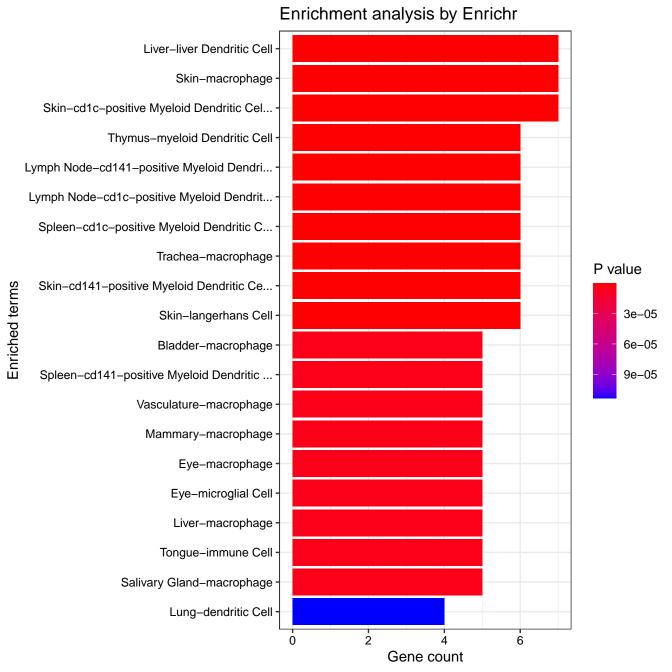


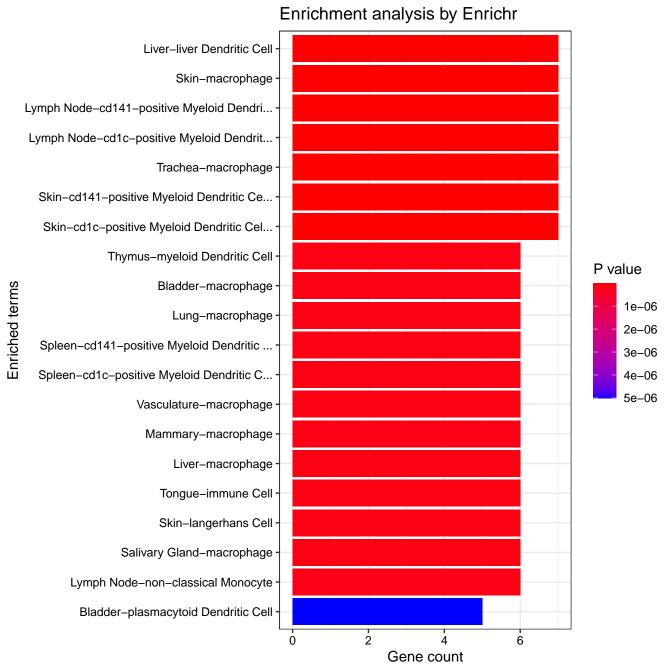


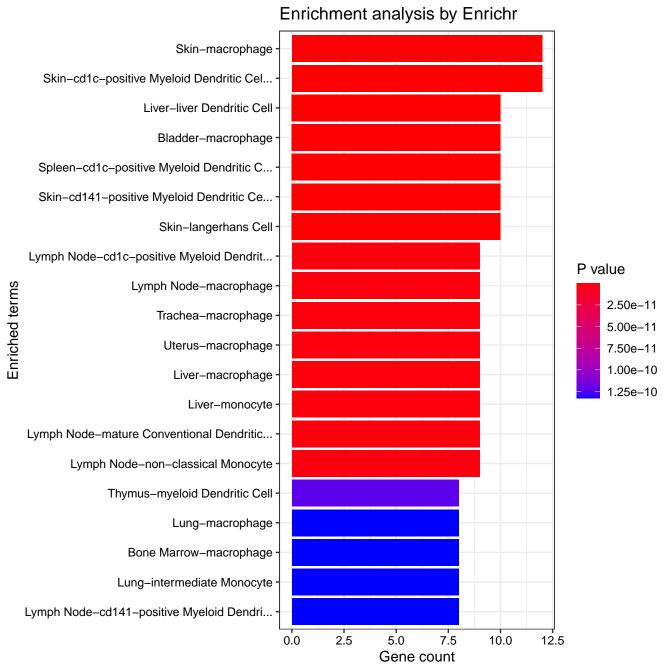


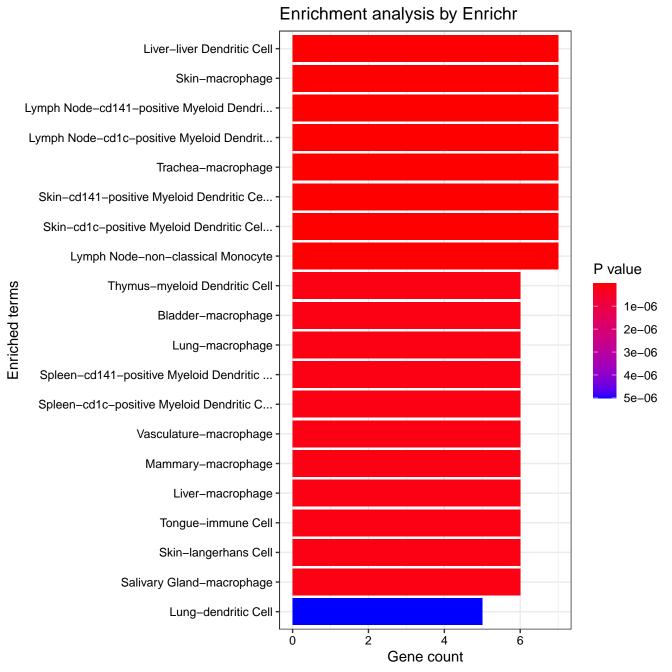


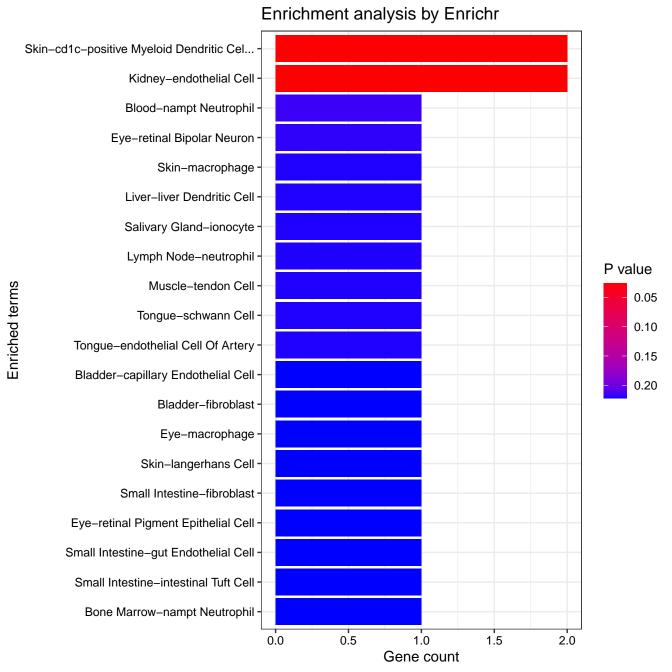


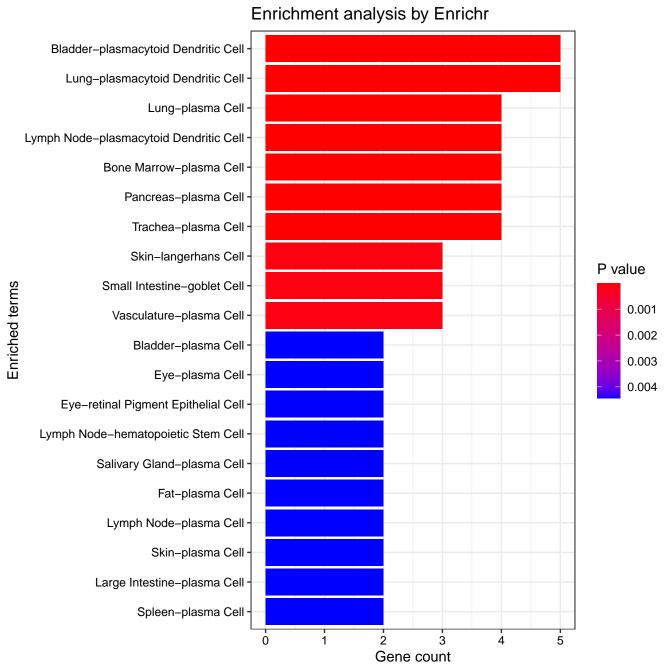


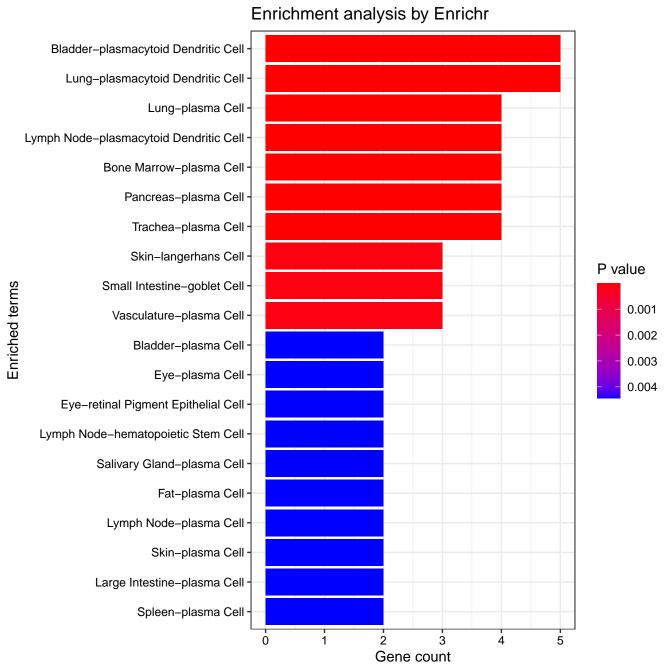




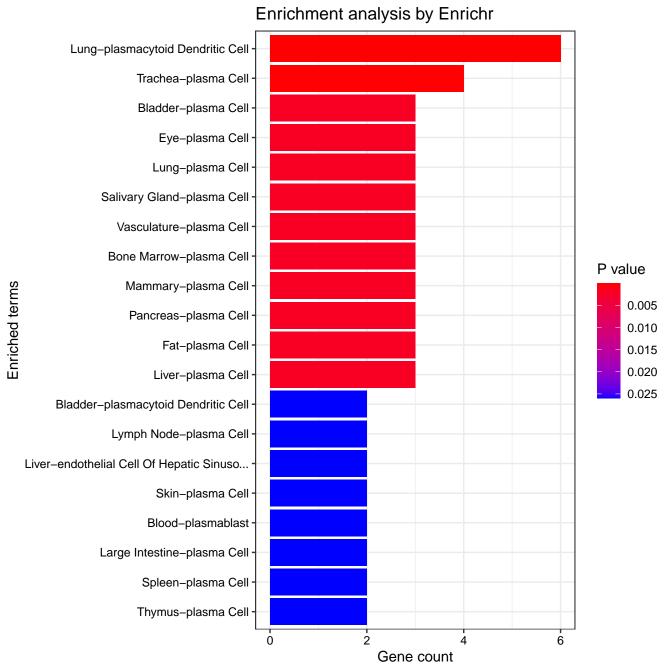


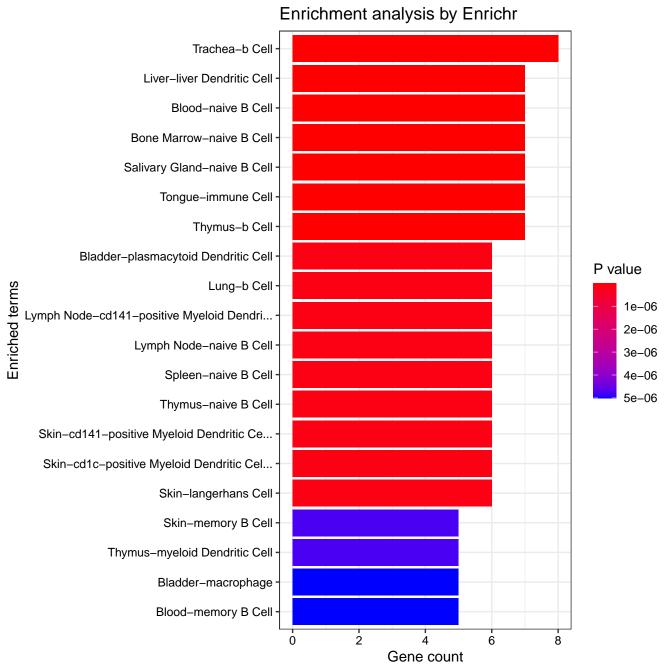


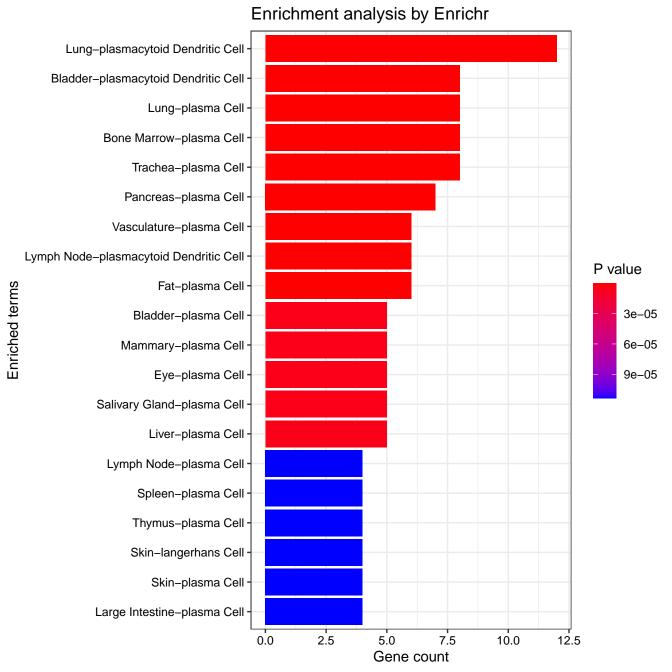


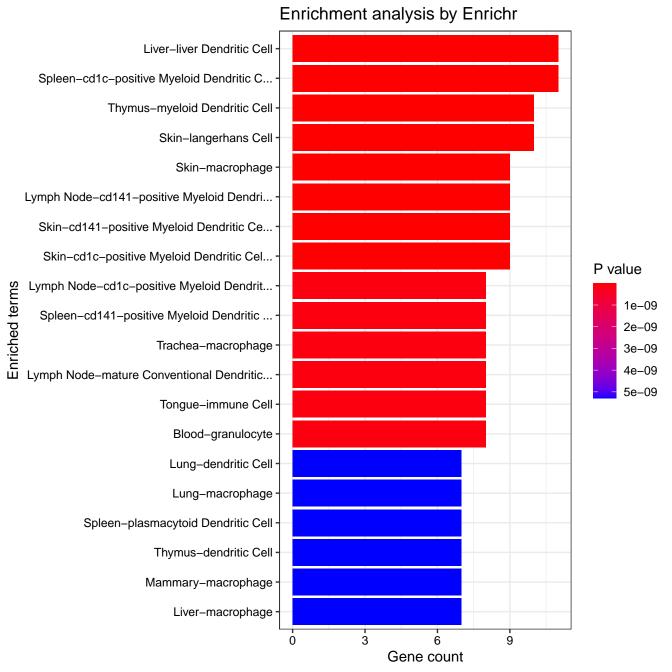


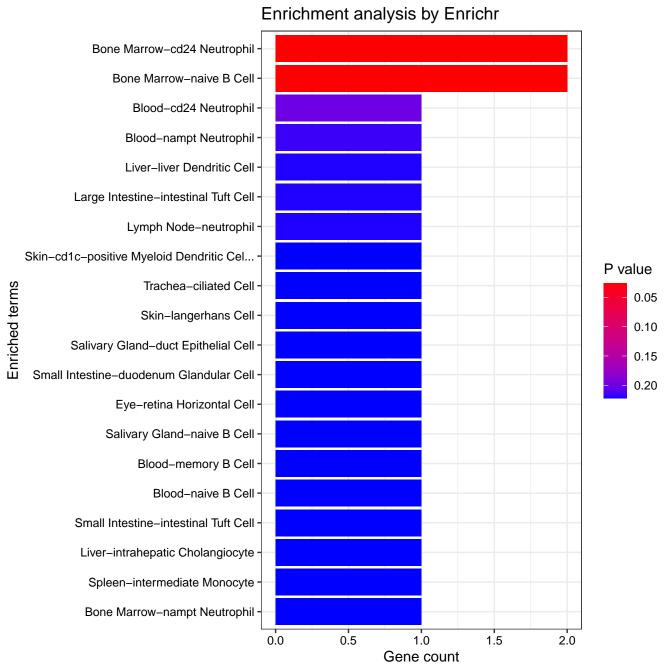
Enrichment analysis by Enrichr Bone Marrow-cd24 Neutrophil -Blood-cd24 Neutrophil -Blood-nampt Neutrophil -Large Intestine-intestinal Tuft Cell -Lymph Node-neutrophil -Trachea-ciliated Cell -Salivary Gland-duct Epithelial Cell -Small Intestine-duodenum Glandular Cell-P value Eye-retina Horizontal Cell -**Enriched terms** 0.03 Small Intestine-intestinal Tuft Cell -0.06 Liver-intrahepatic Cholangiocyte -0.09 Spleen-intermediate Monocyte -Bone Marrow-nampt Neutrophil -Bone Marrow-neutrophil -Tongue-keratinocyte -Mammary-luminal Epithelial Cell Of Mamma... -Trachea-neutrophil -Spleen-neutrophil -Prostate-epithelial Cell -Blood-neutrophil -0.0 0.5 1.5 2.0 1.0 Gene count

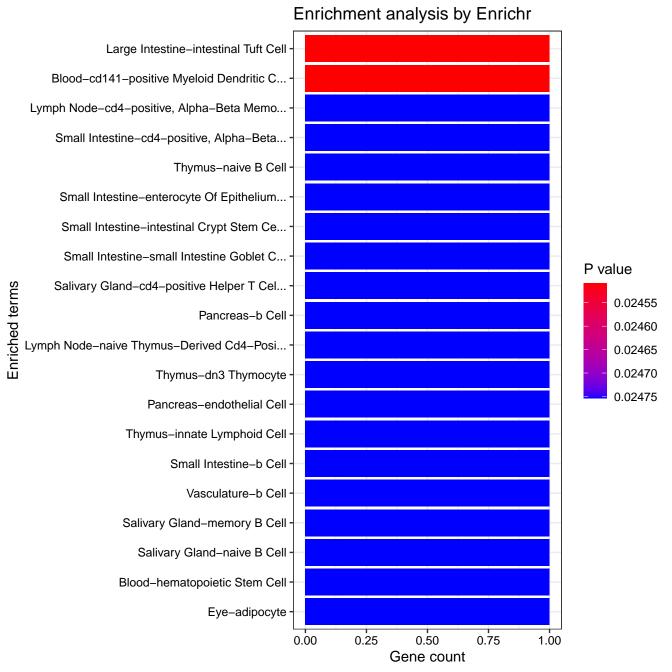


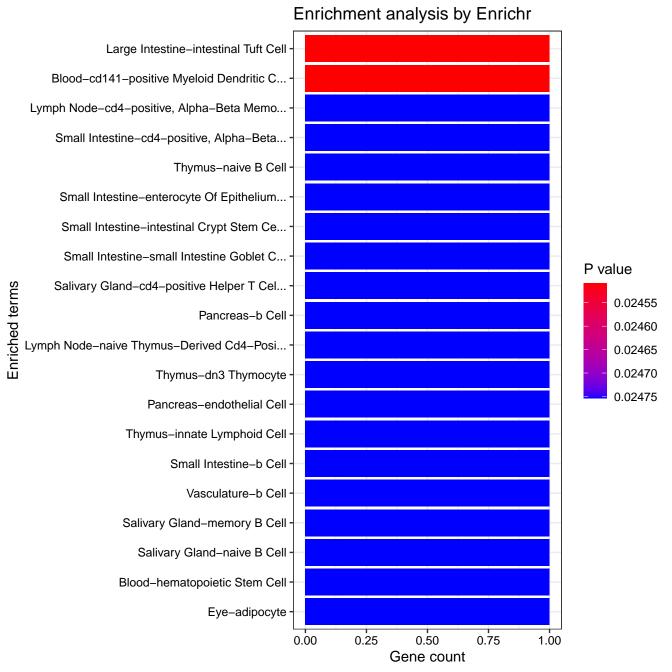


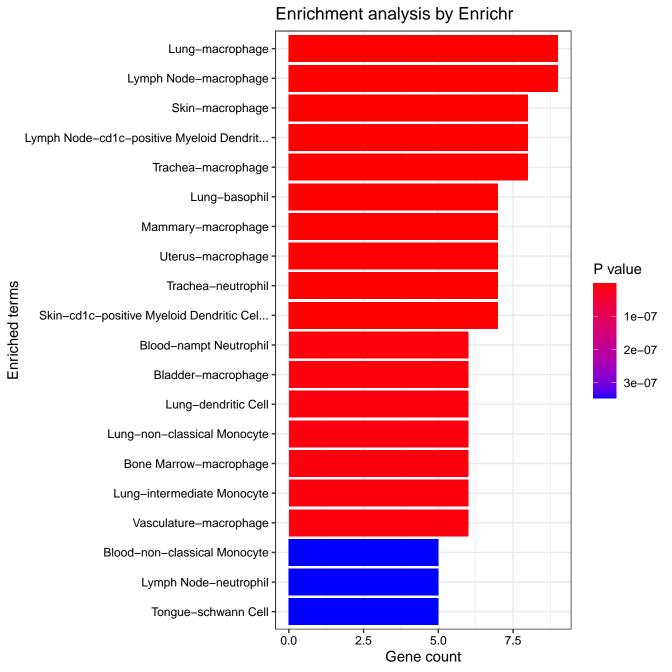


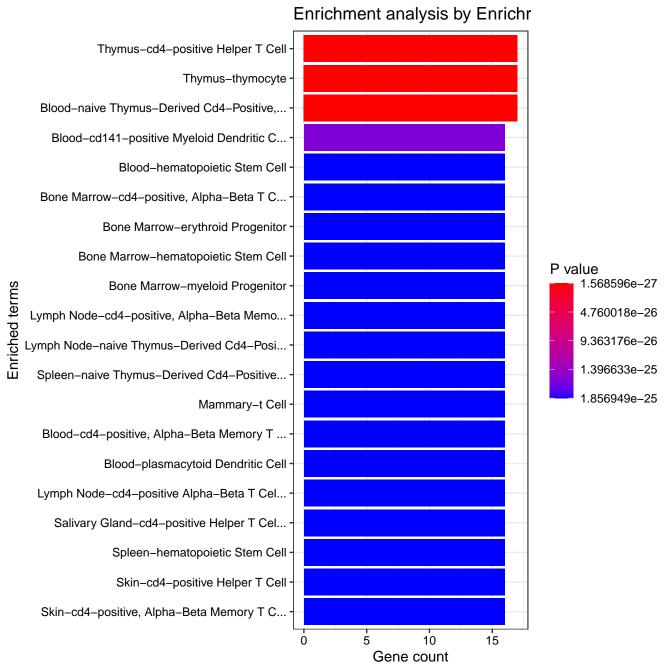


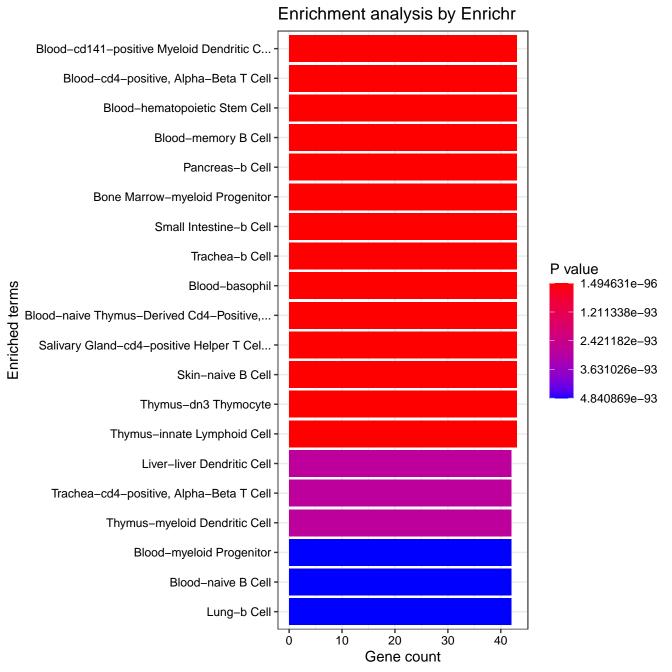


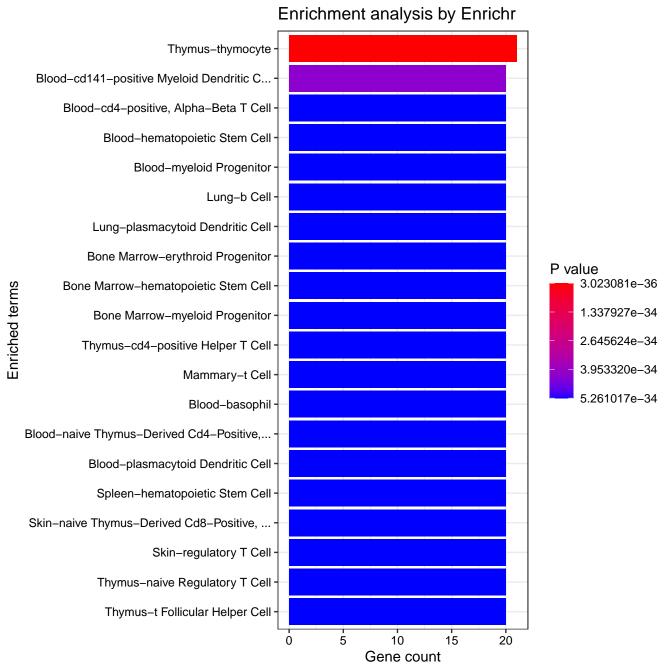


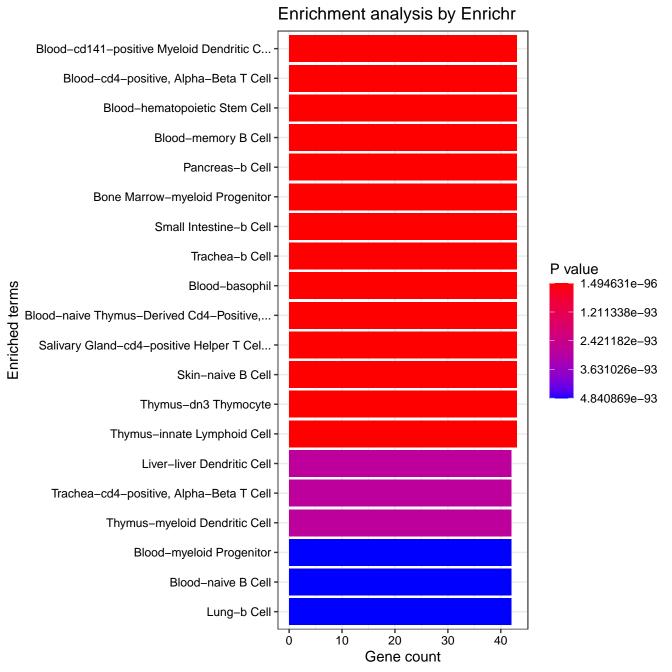


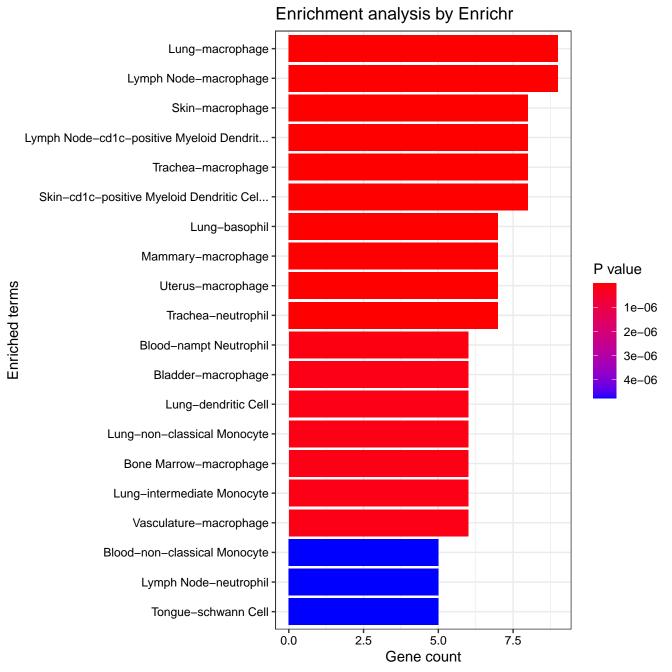


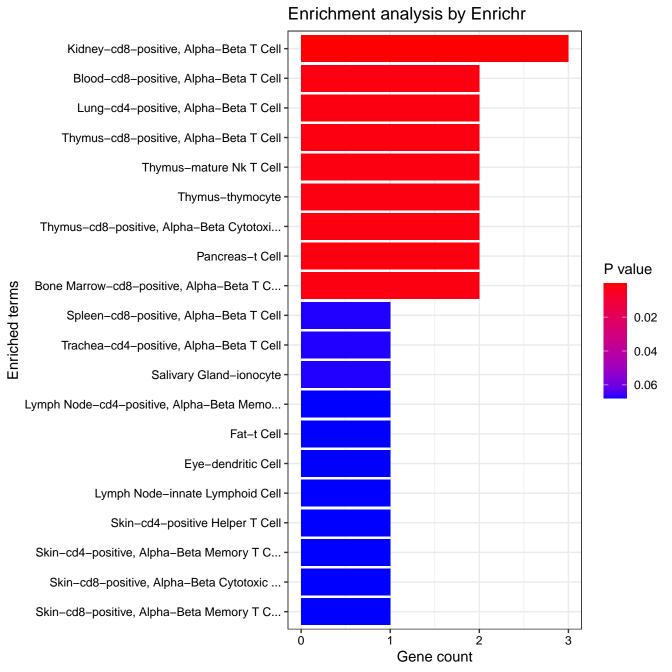


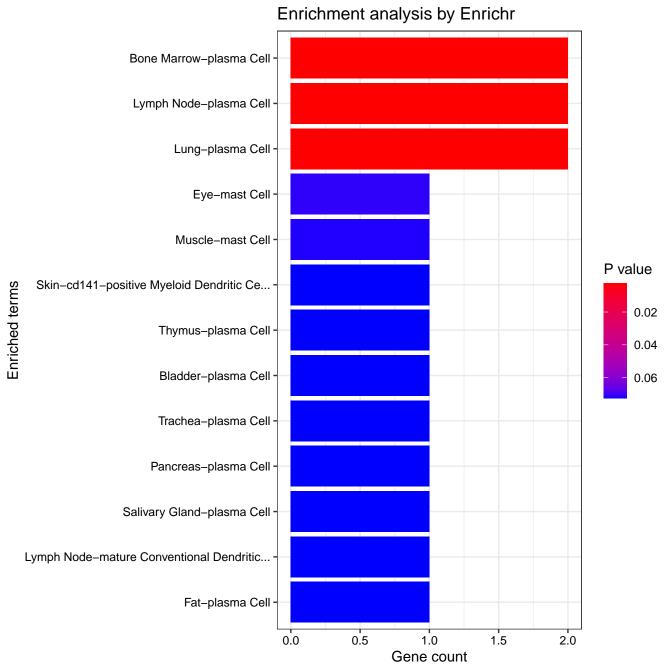


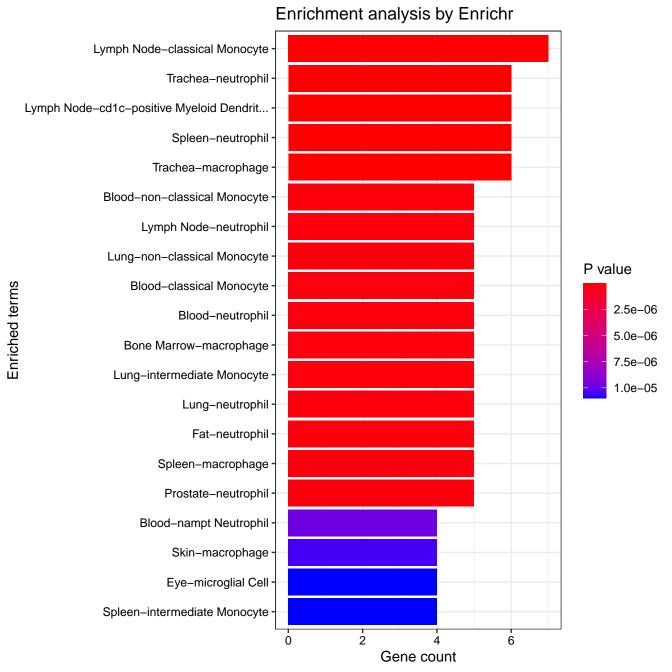


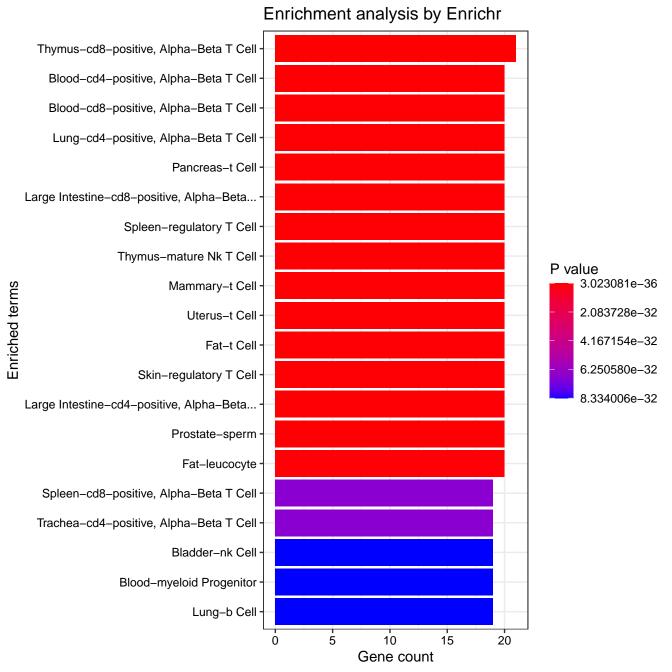


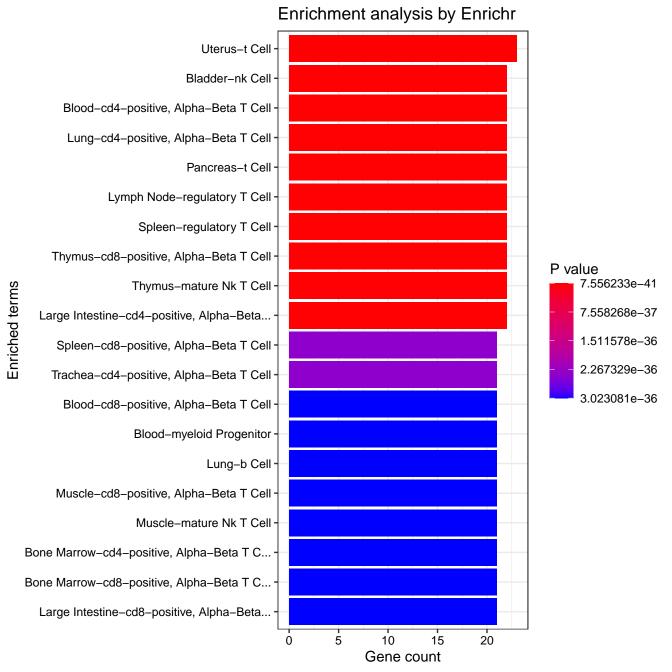


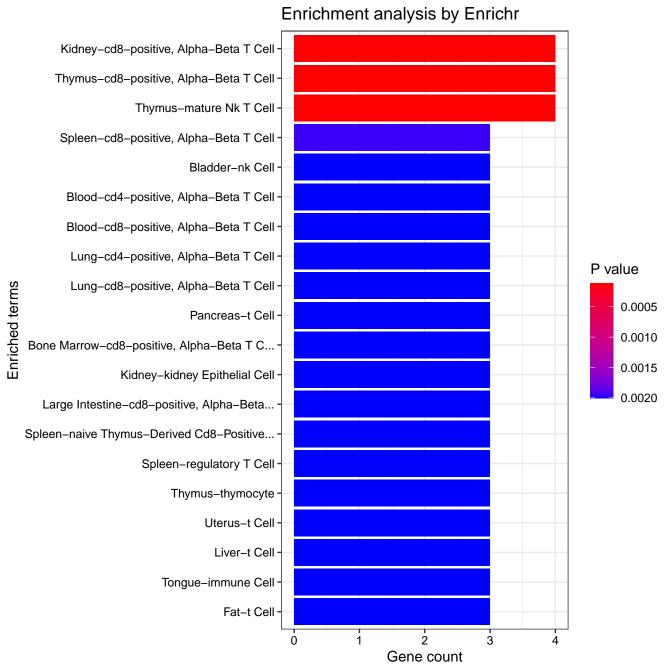


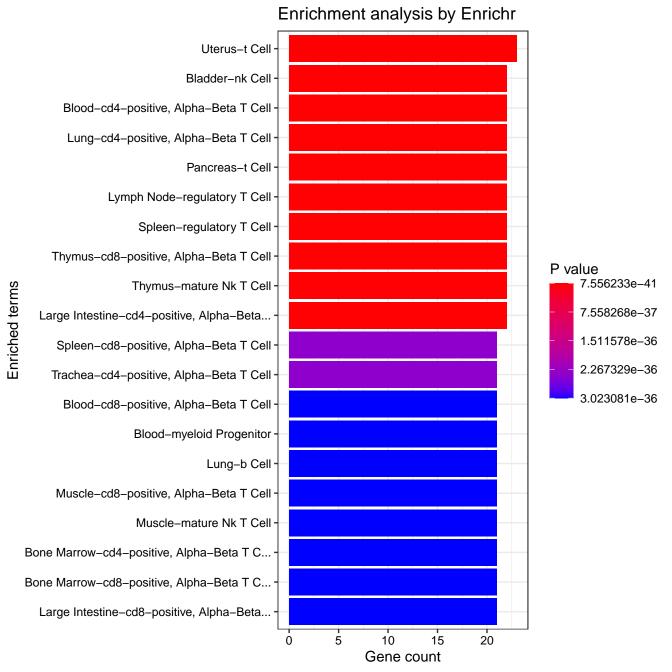


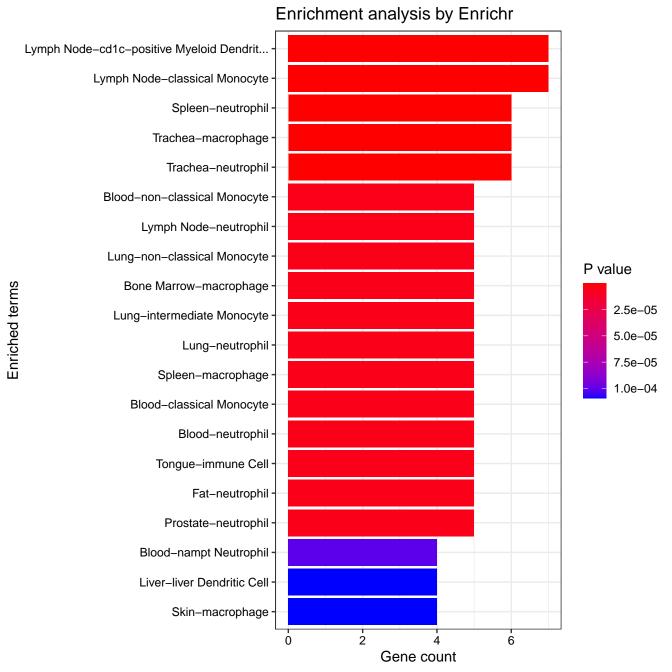


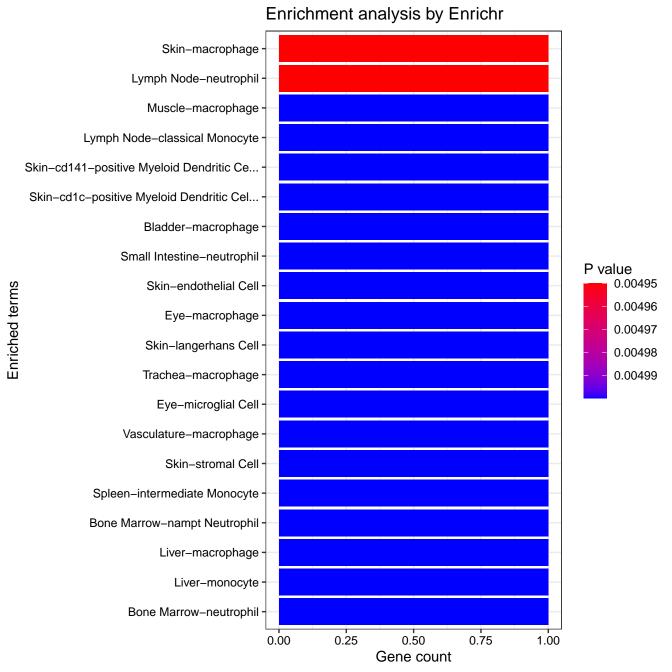


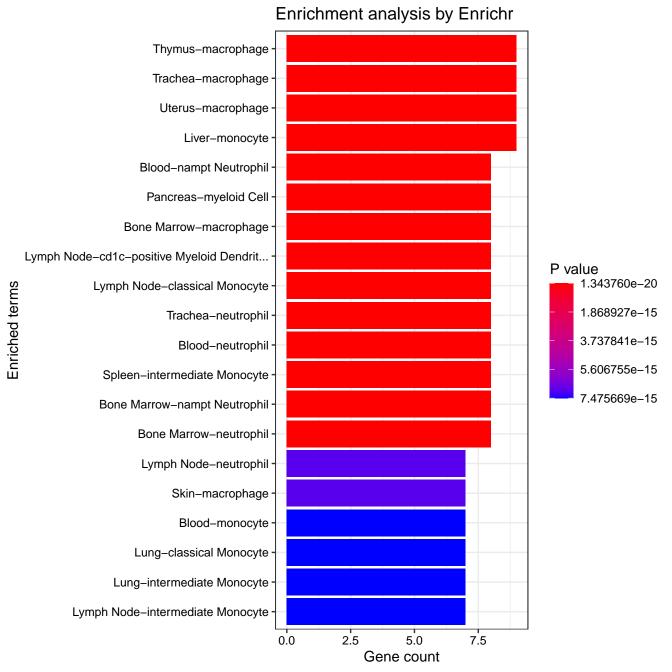


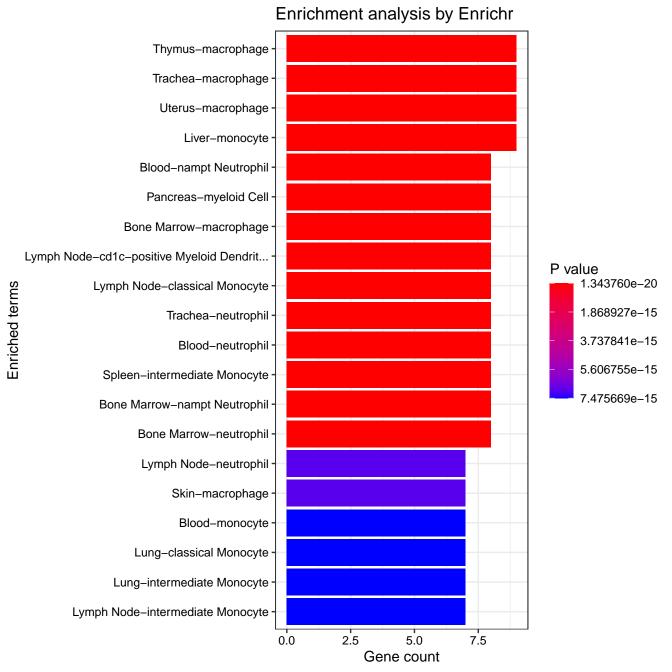


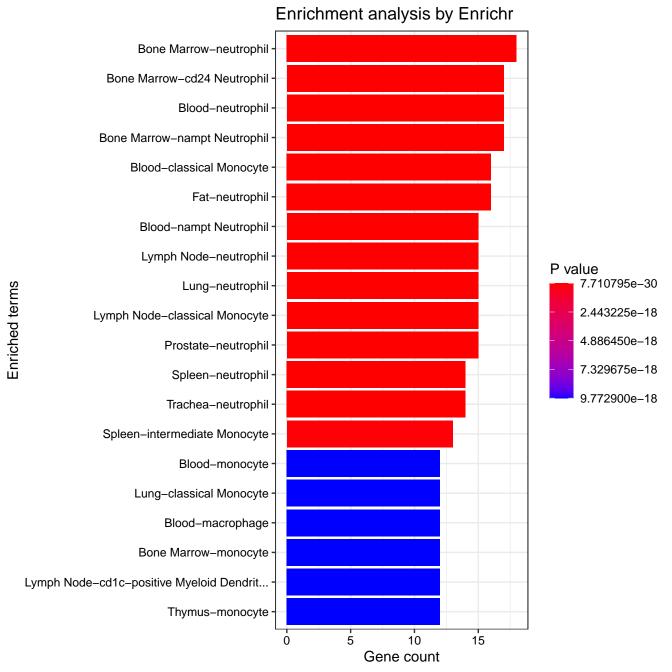


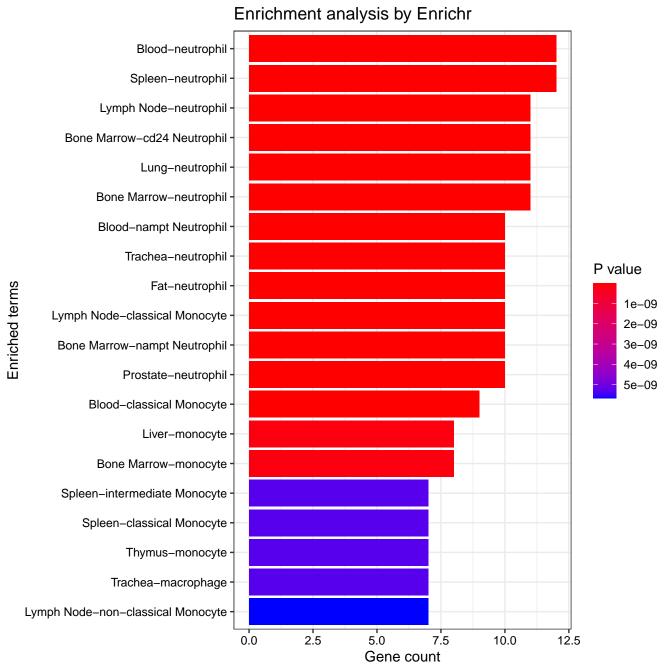


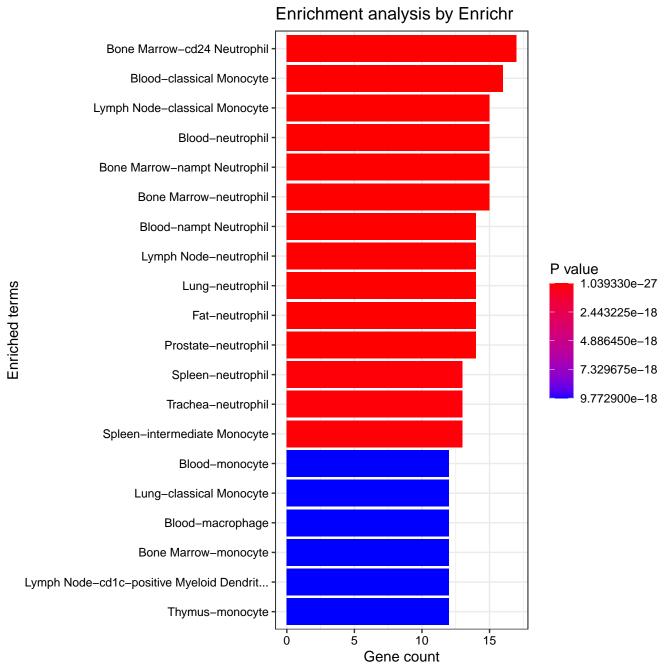


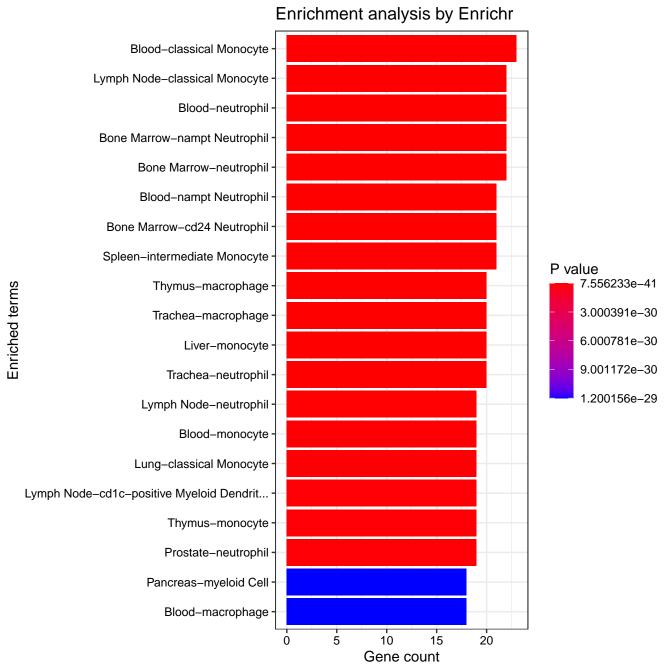


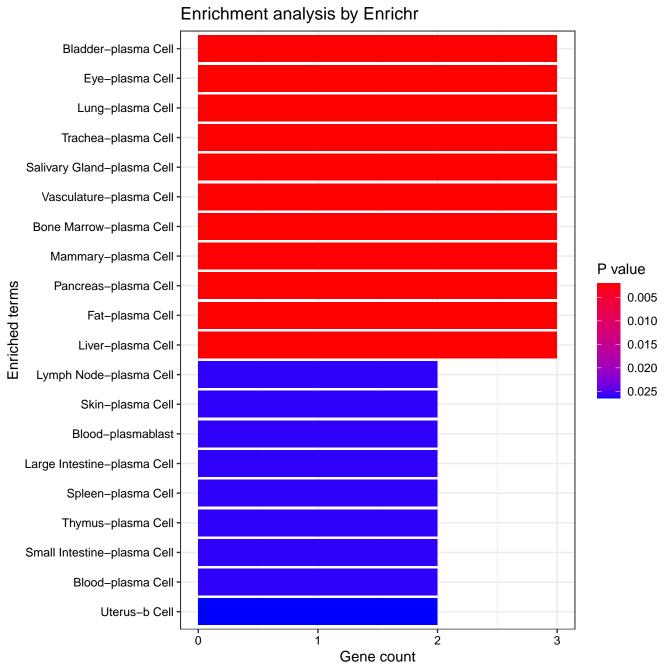


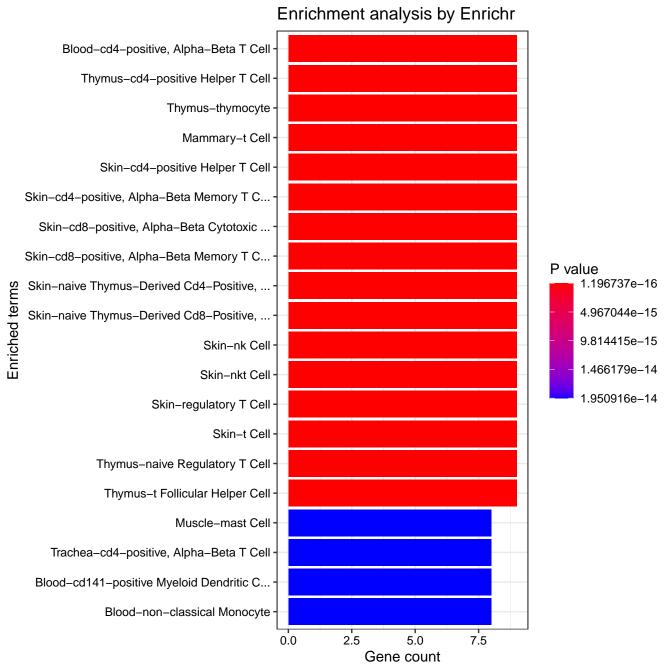


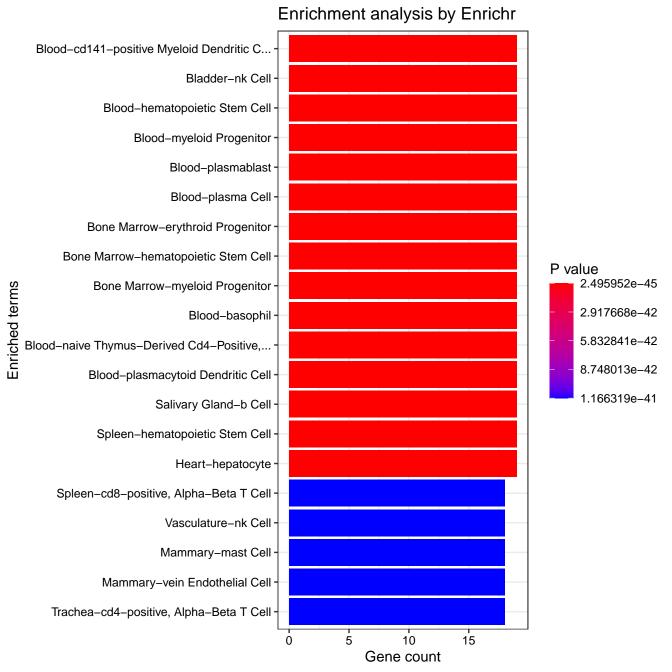


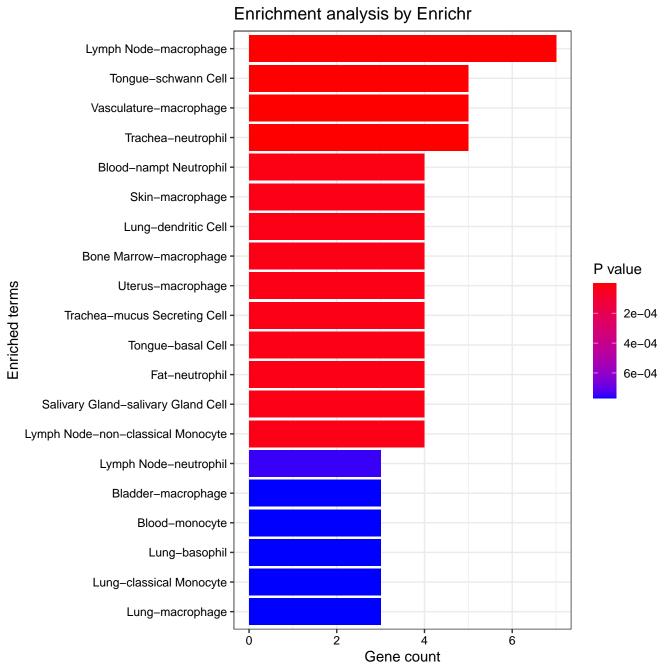


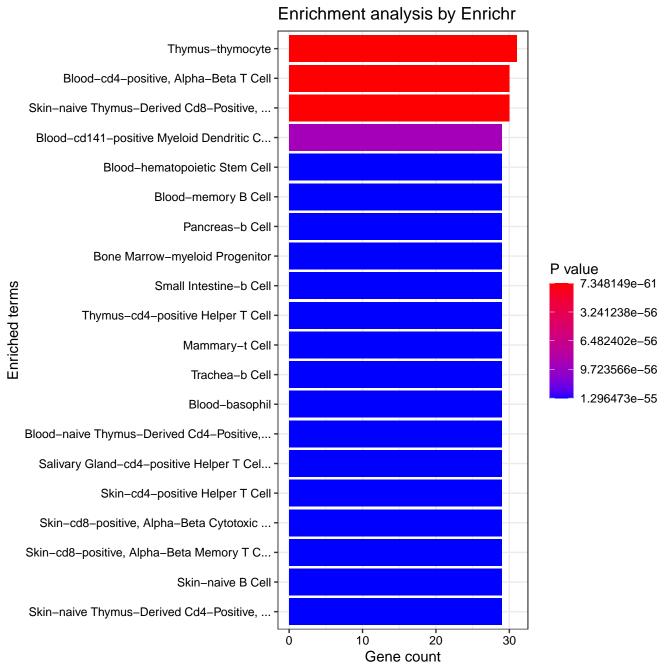


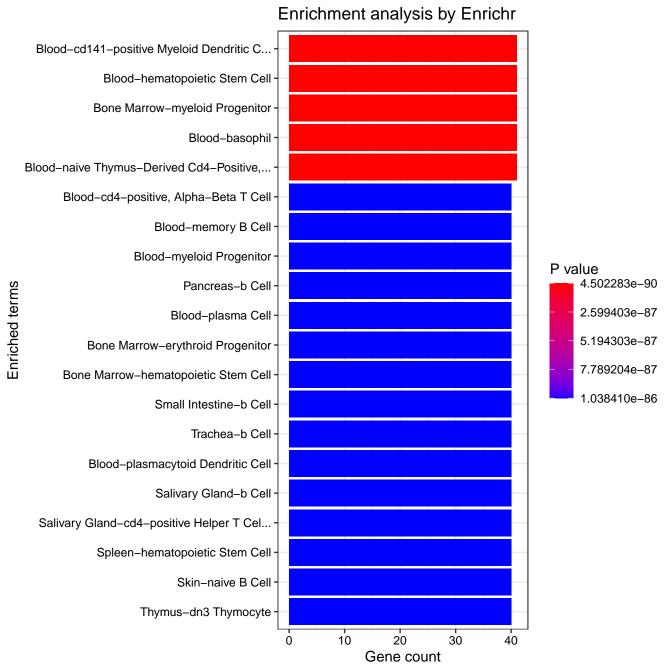


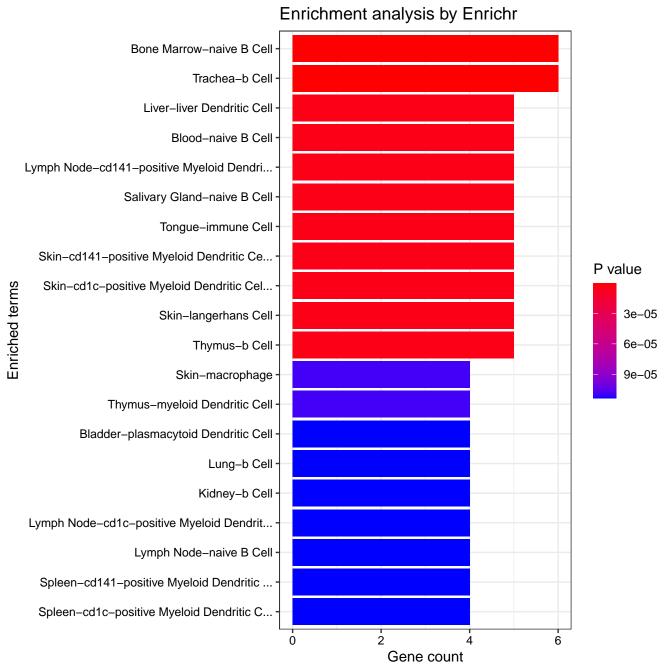


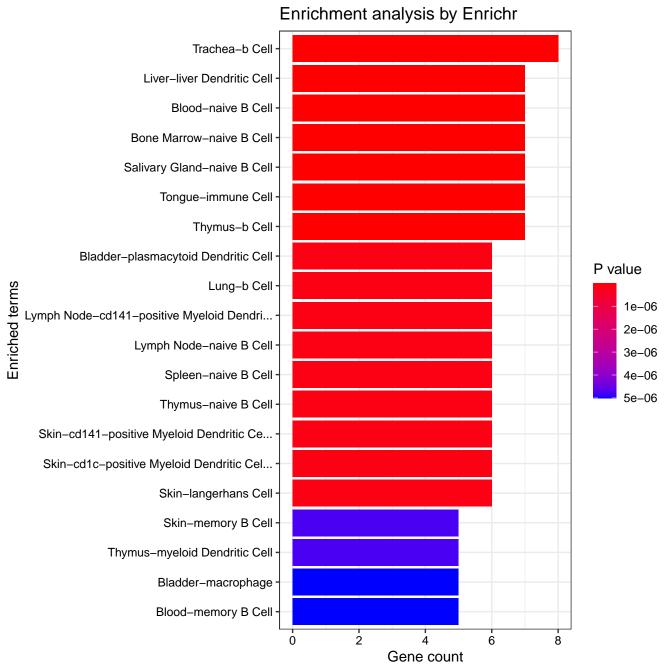


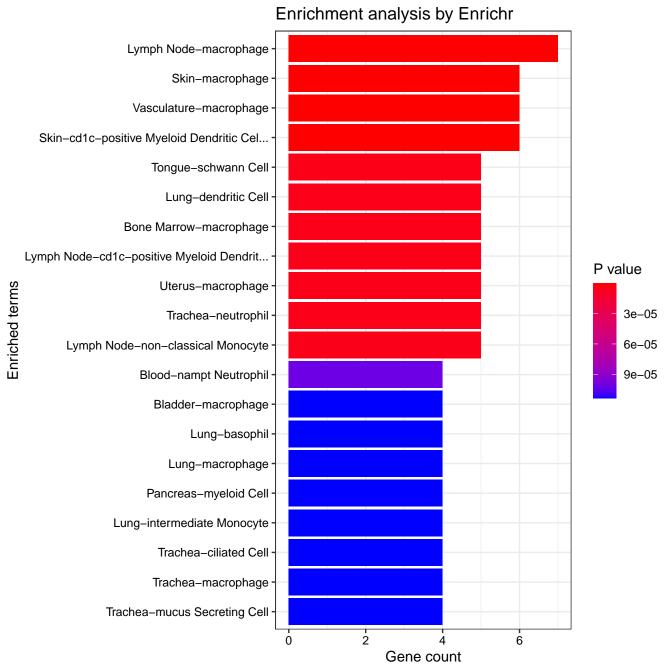


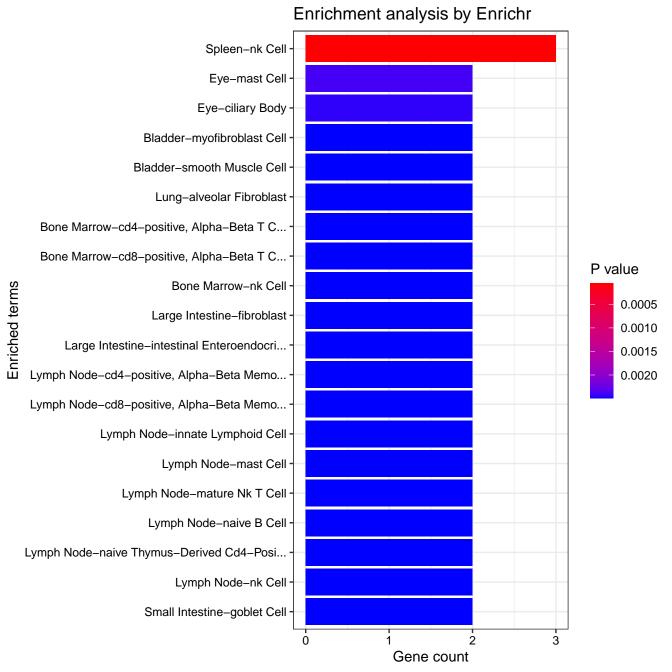


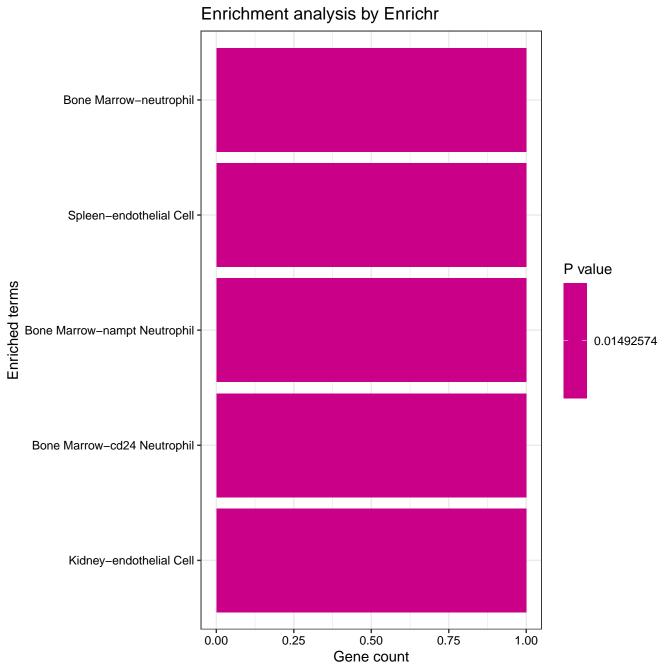


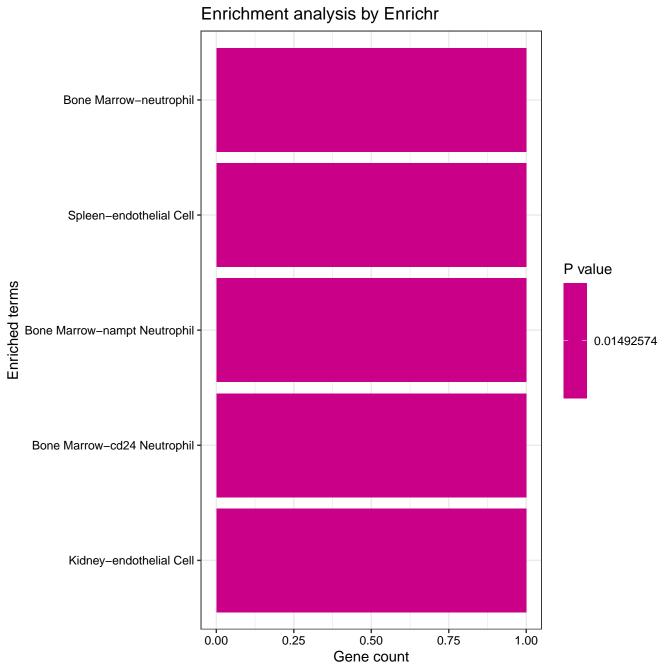


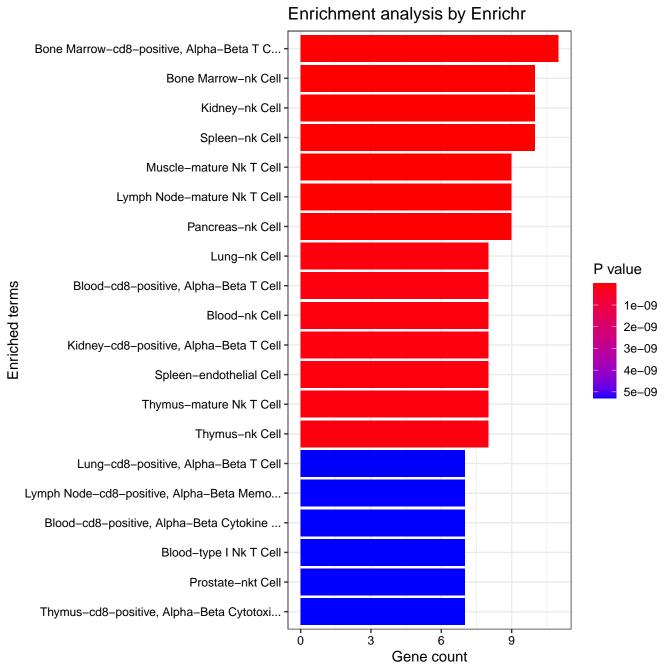


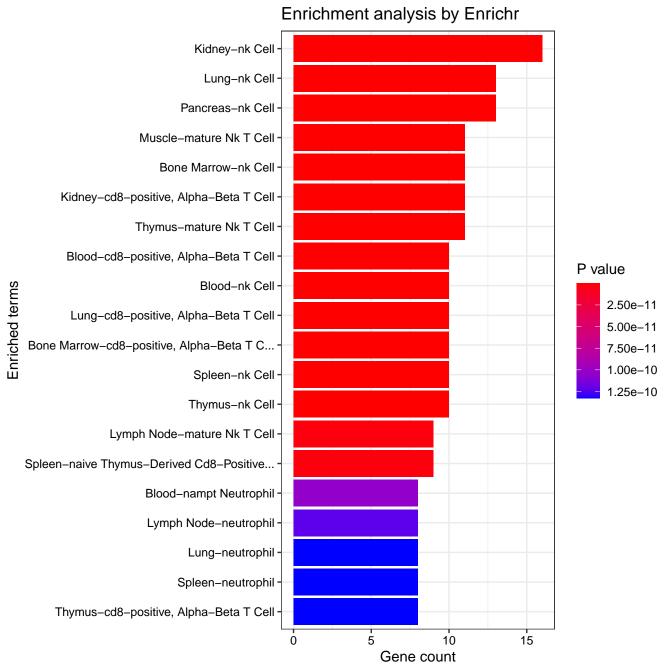


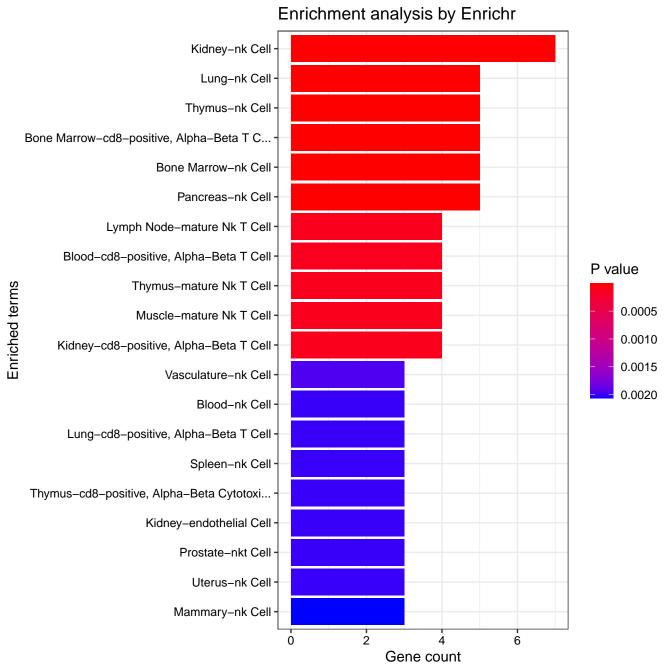


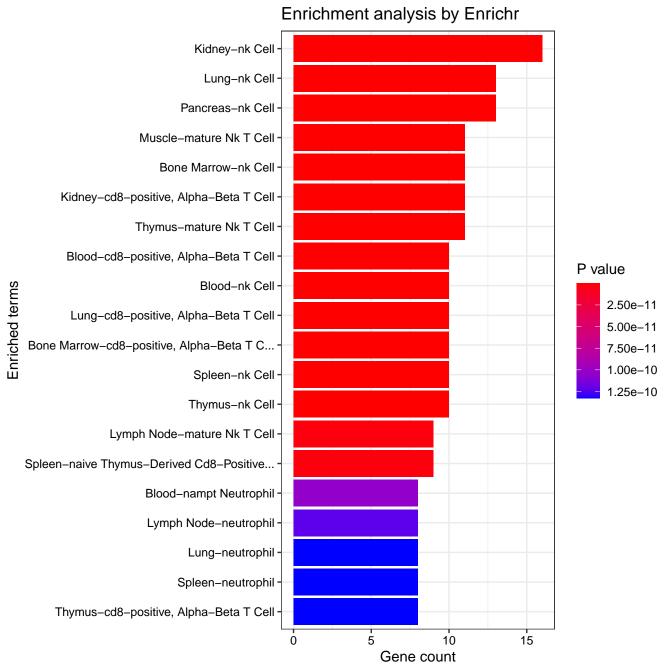


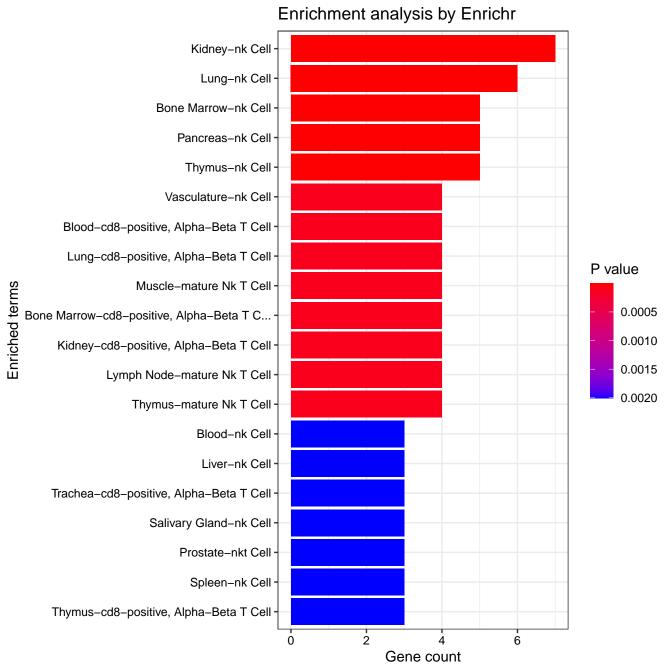


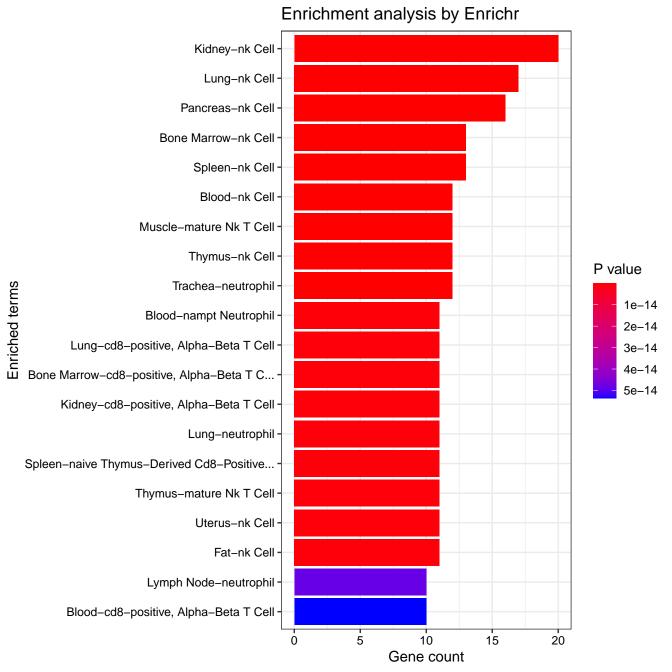


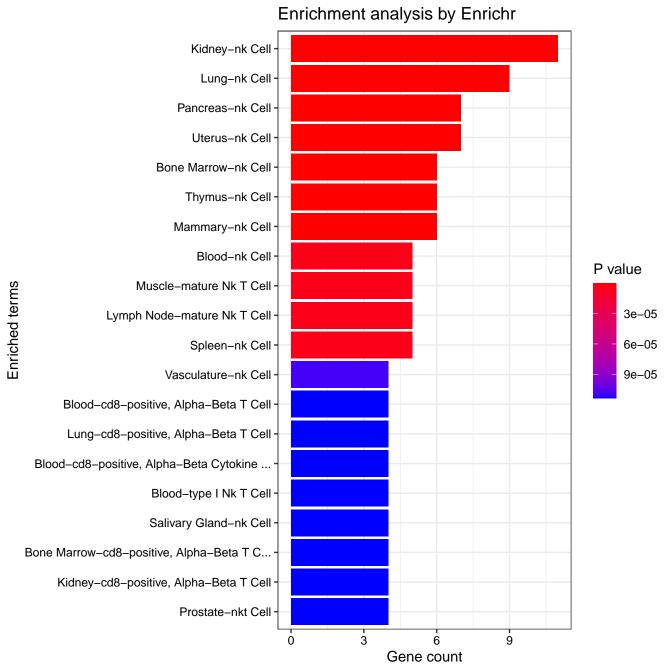


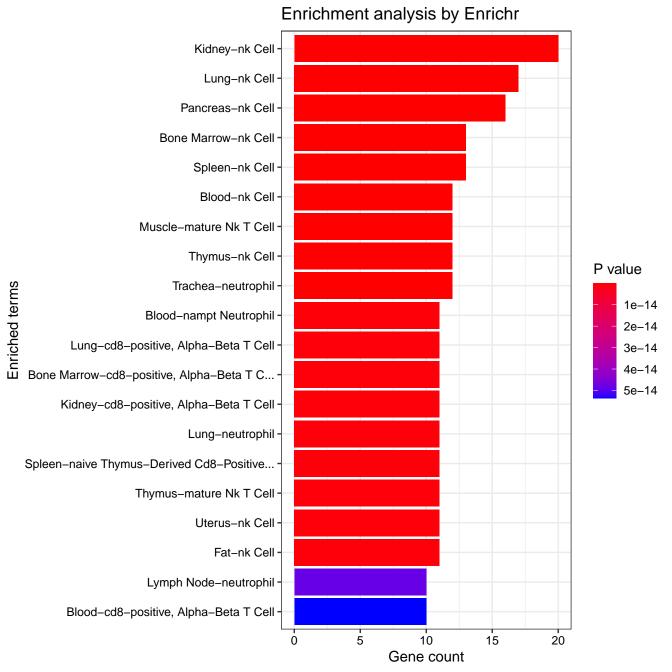


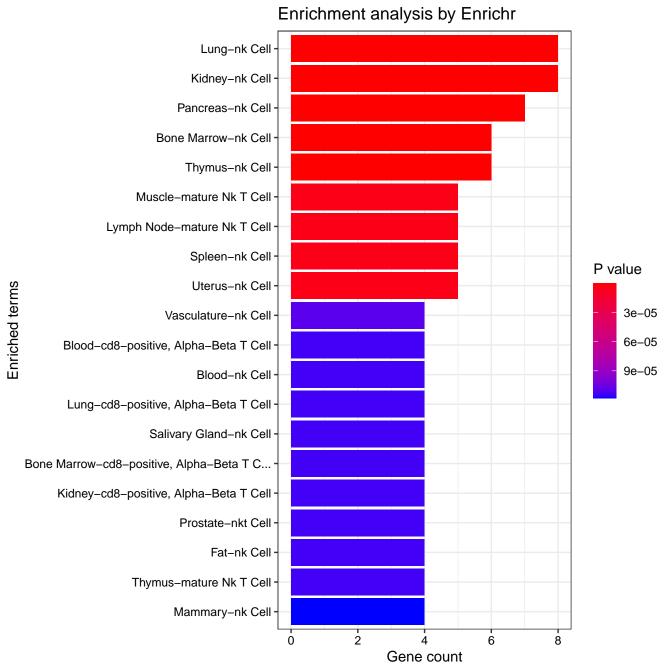


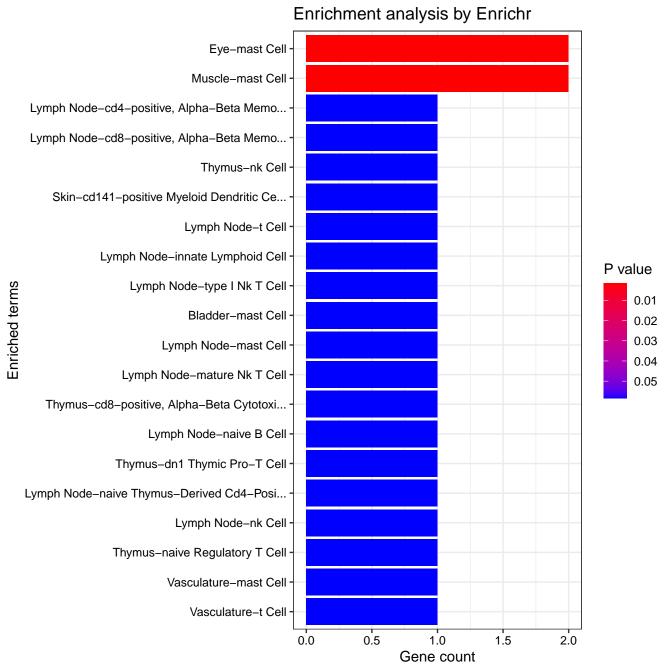


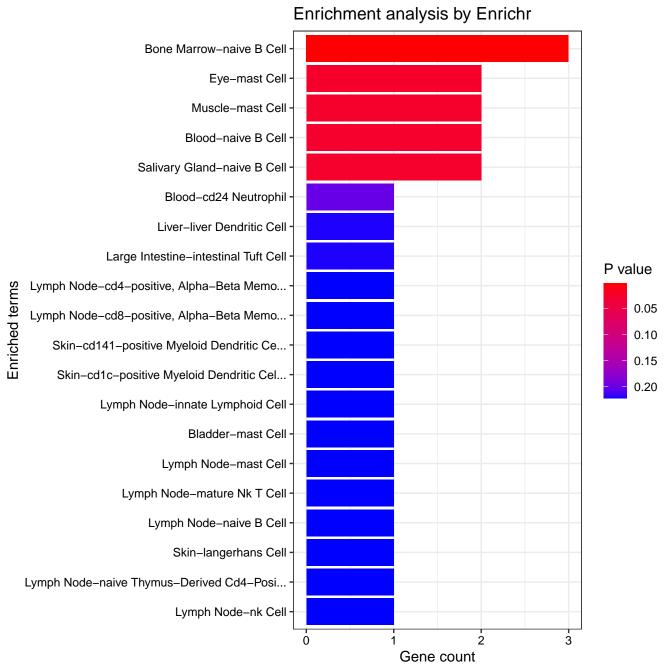


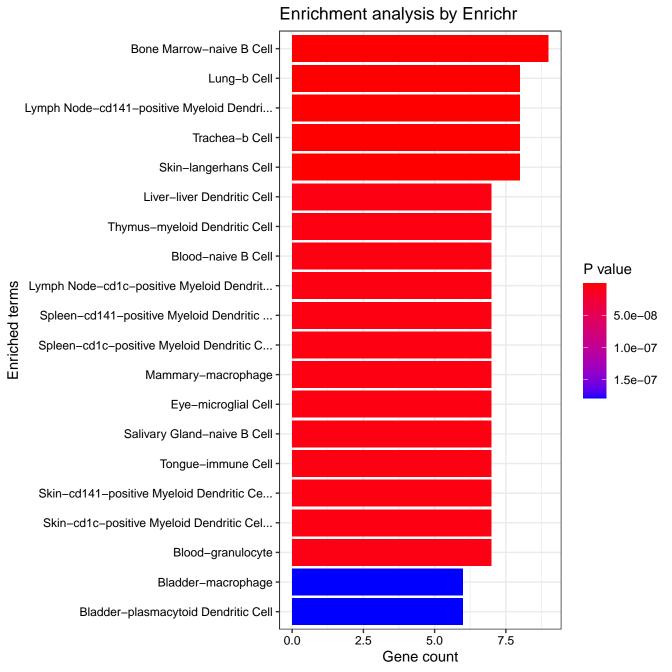


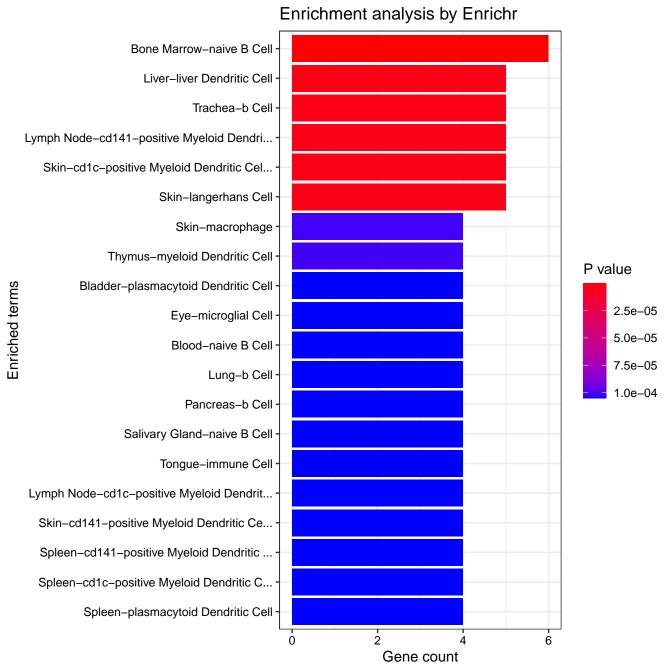


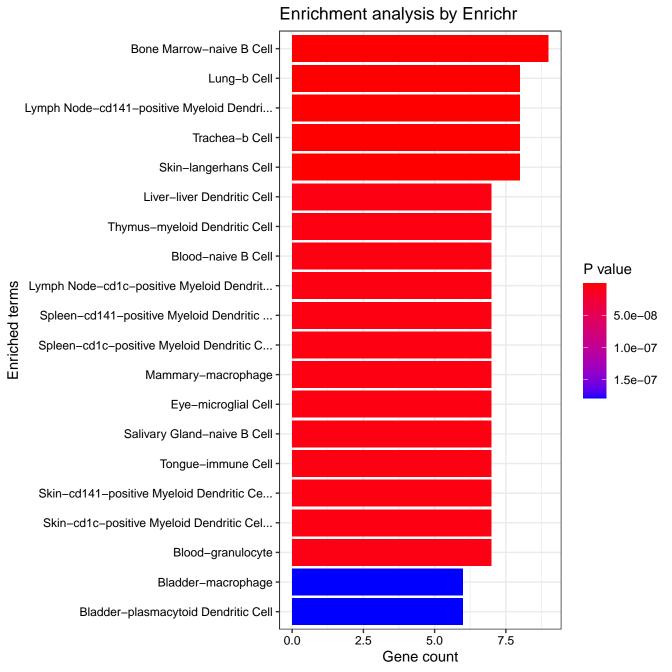


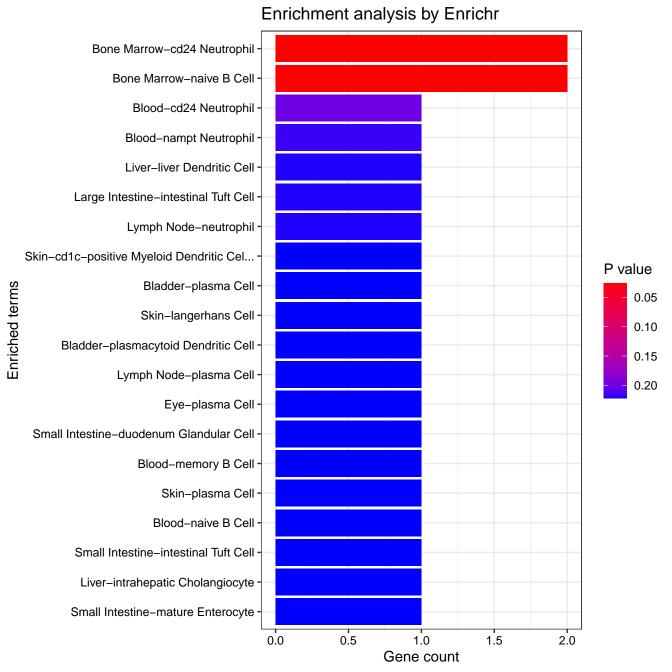


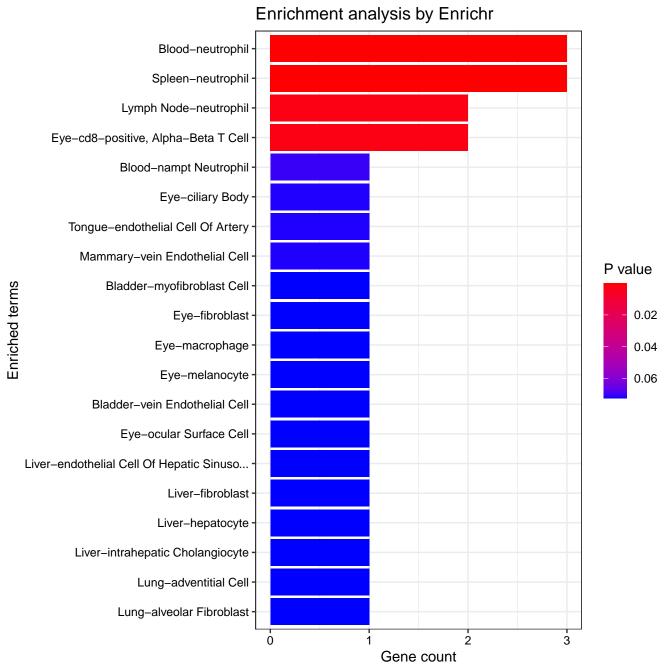


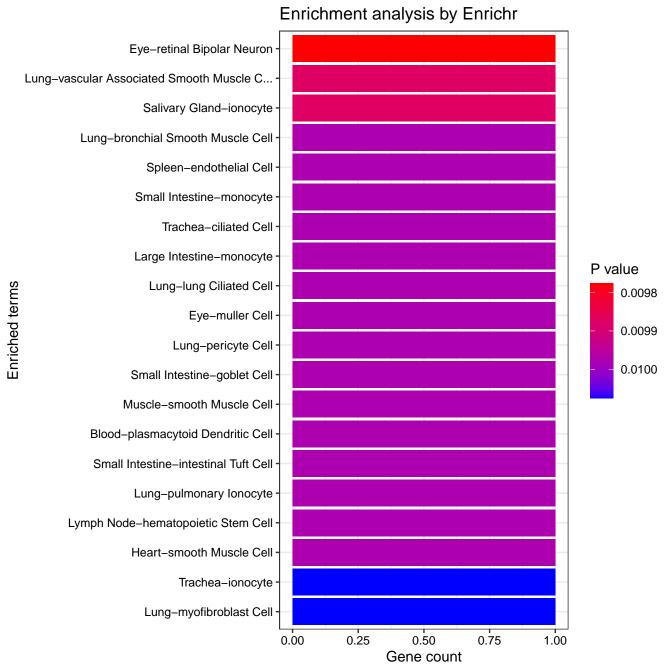


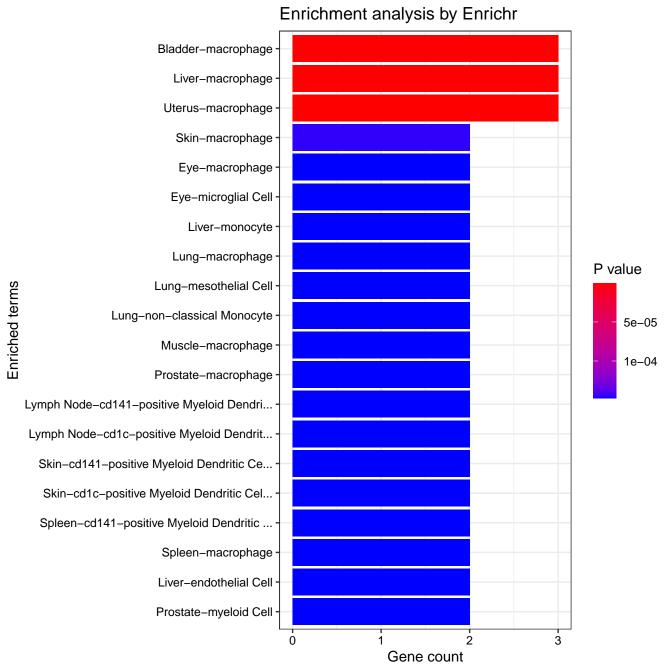


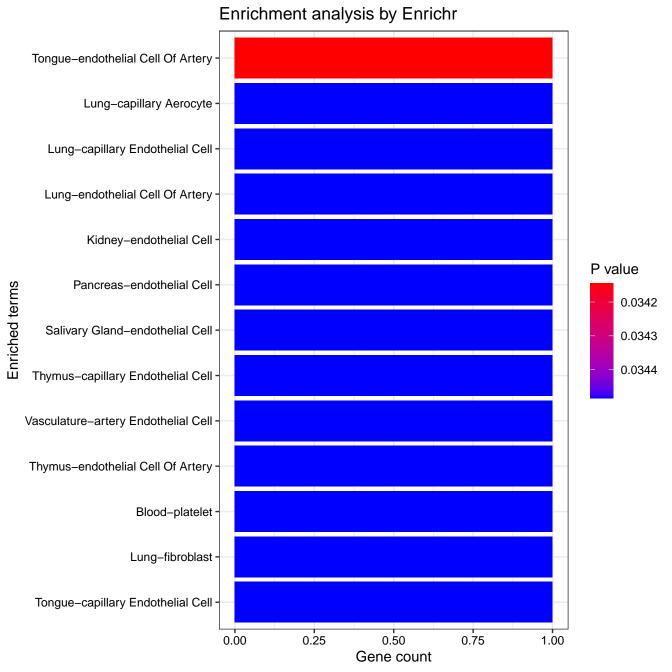


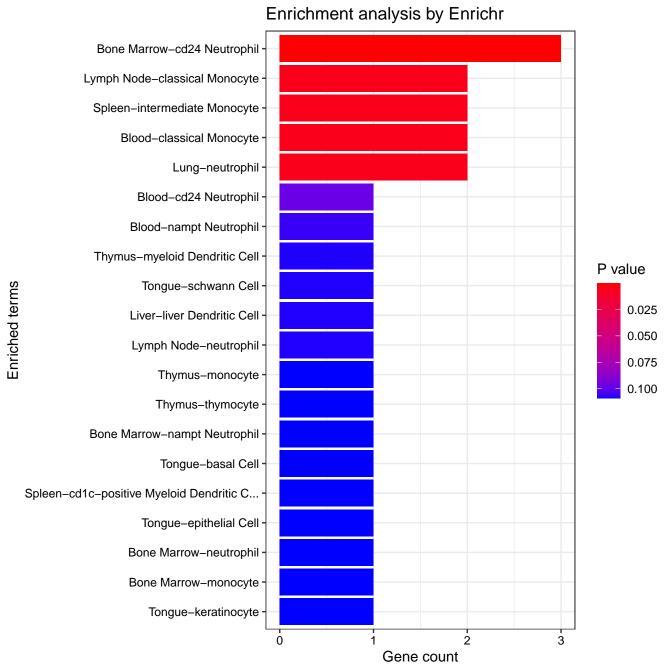


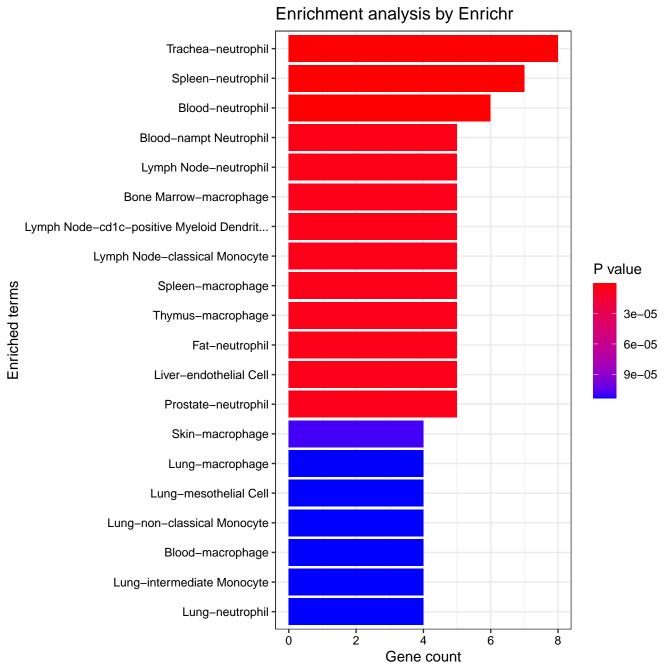


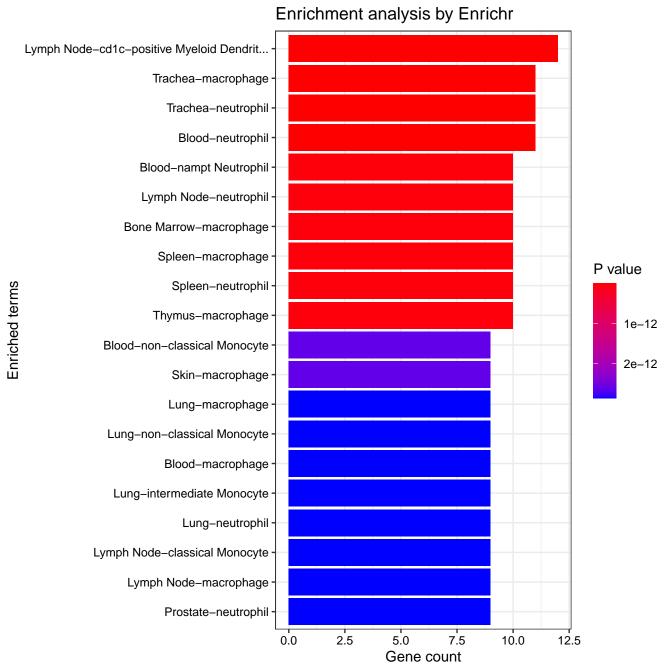


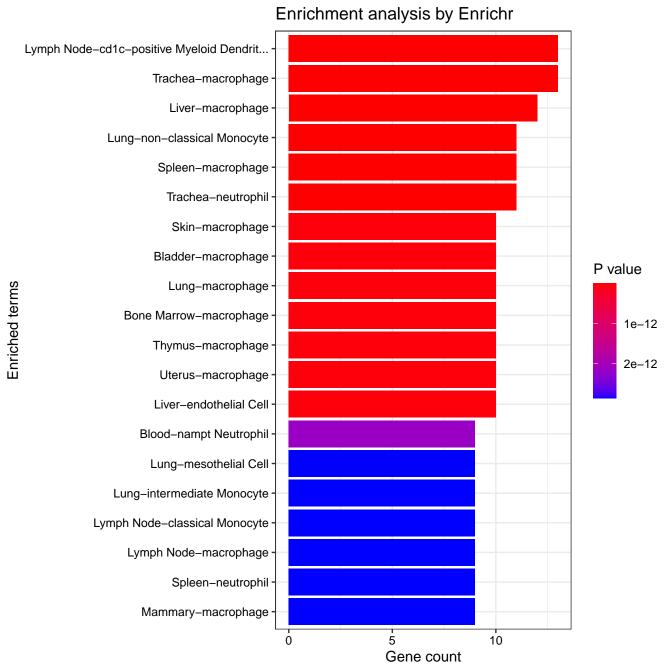


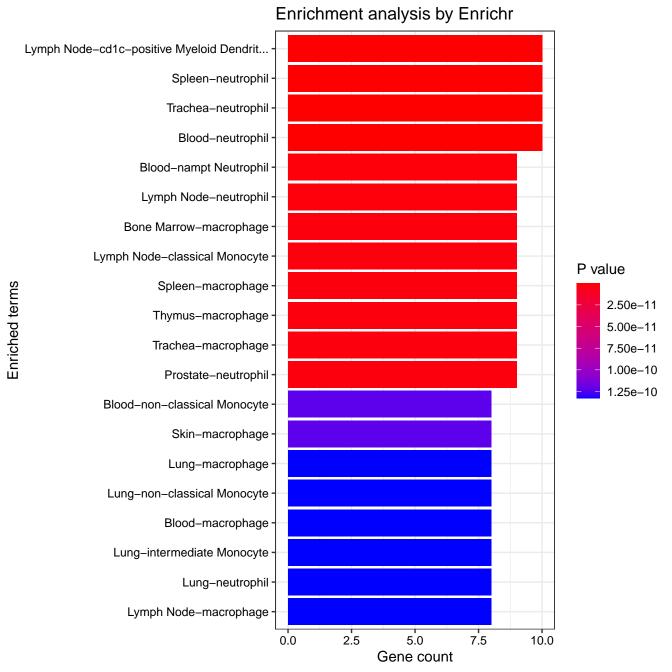


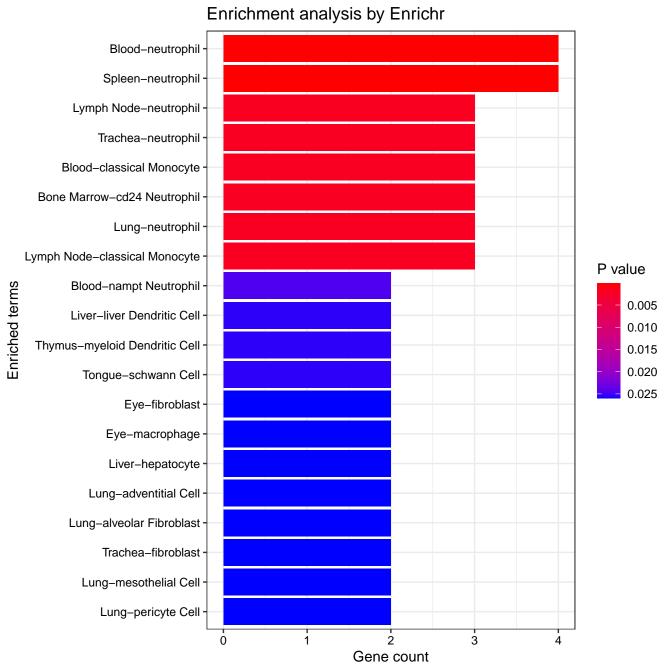


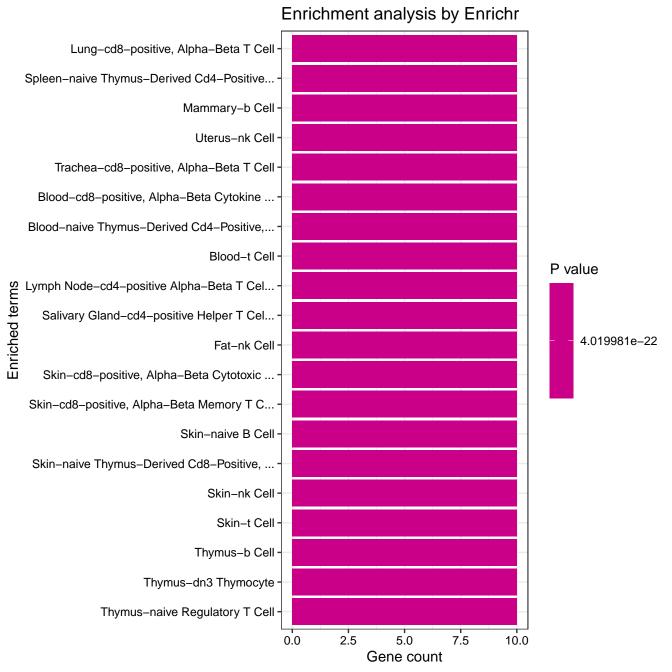












Enrichment analysis by Enrichr Eye-retinal Ganglion Cell -Mammary-endothelial Cell Of Artery Blood-cd24 Neutrophil -Fat-mast Cell -Eye-retinal Bipolar Neuron -Muscle-erythrocyte -Eye-ciliary Body -Lung-nk Cell -P value Blood-non-classical Monocyte -**Enriched terms** 0.01 Lymph Node-erythrocyte -0.02 Spleen-cd8-positive, Alpha-Beta T Cell-0.03 0.04 Salivary Gland-ionocyte -0.05 Tongue-schwann Cell -Mammary-vein Endothelial Cell -Bladder-capillary Endothelial Cell -Eye-erythroid Lineage Cell -Eye-eye Photoreceptor Cell -Bladder-nk Cell -Bladder-smooth Muscle Cell -Eye-muller Cell -0.0 0.5 1.0 1.5 2.0 Gene count

