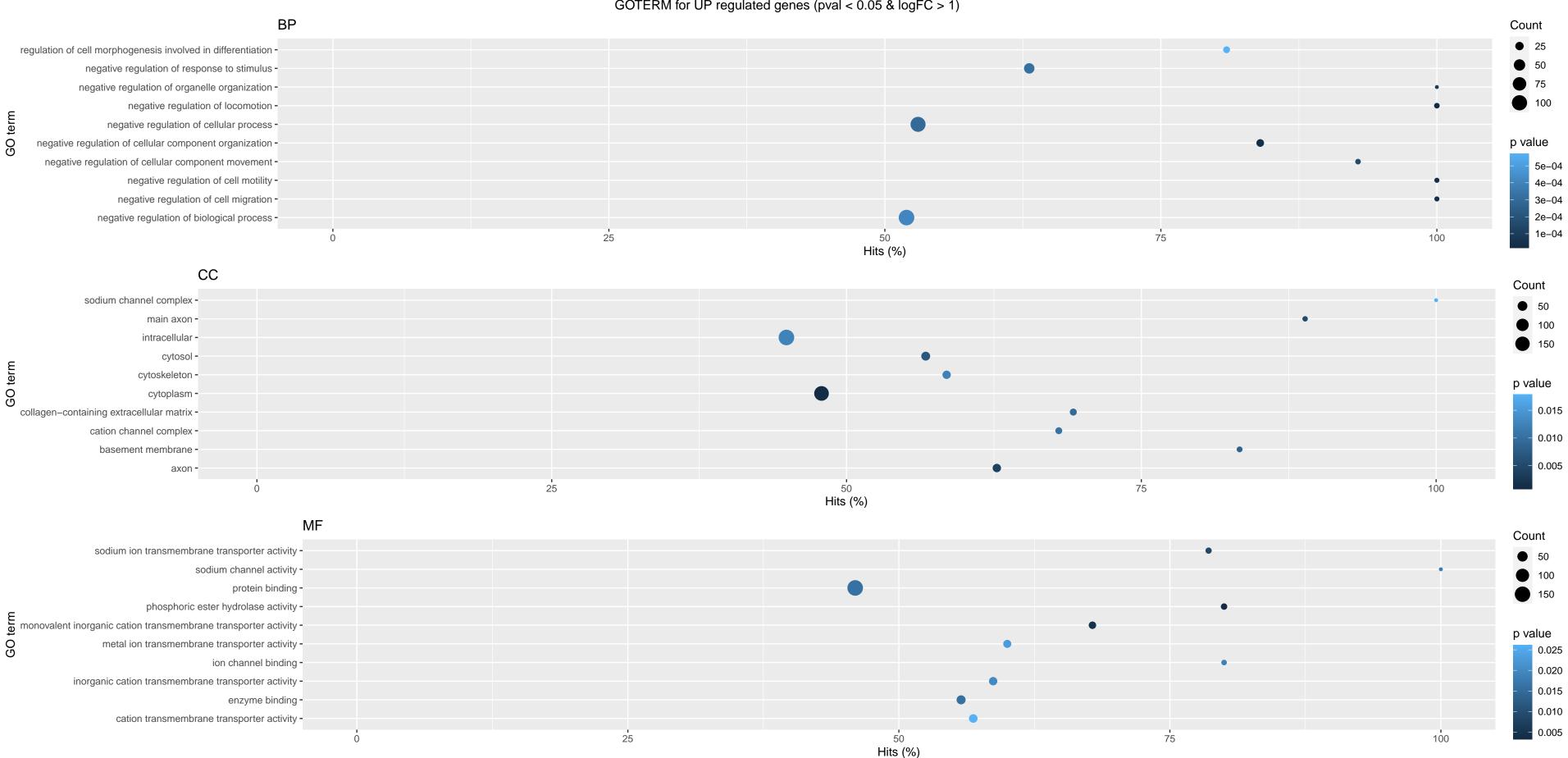
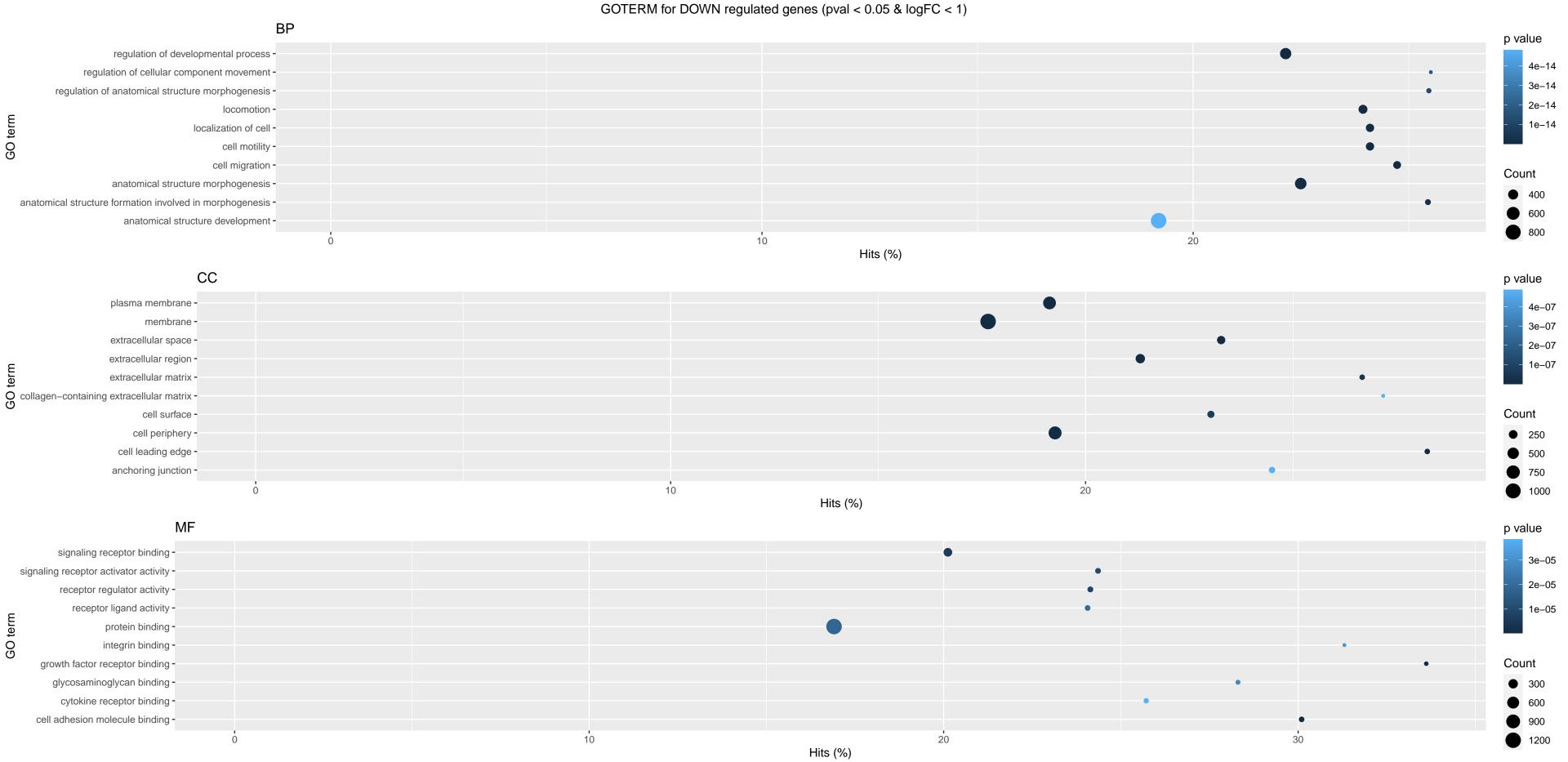


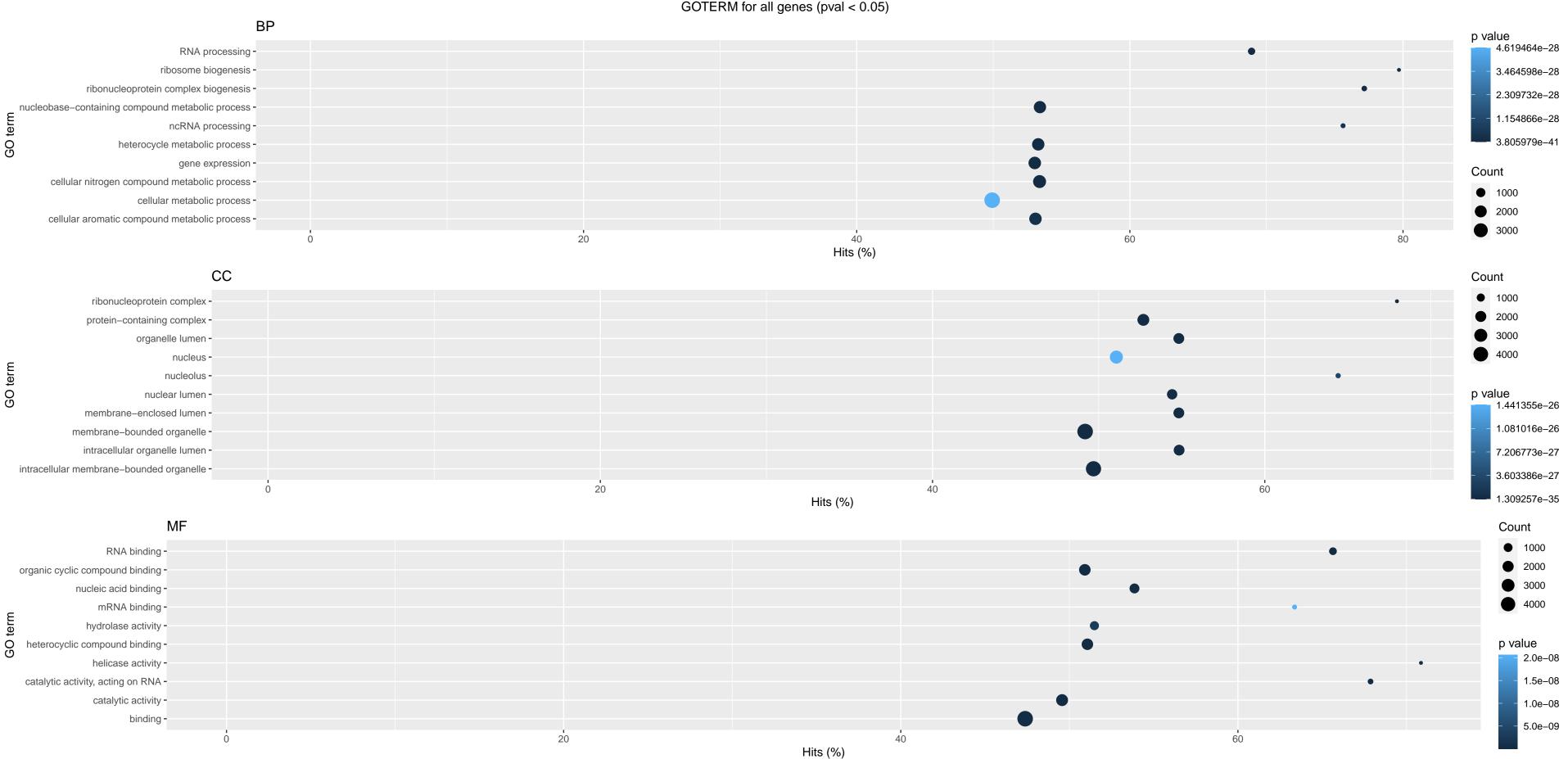
WT_QSC VS MDX_QSC
GOTERM for UP regulated genes (pval < 0.05 & logFC > 1)



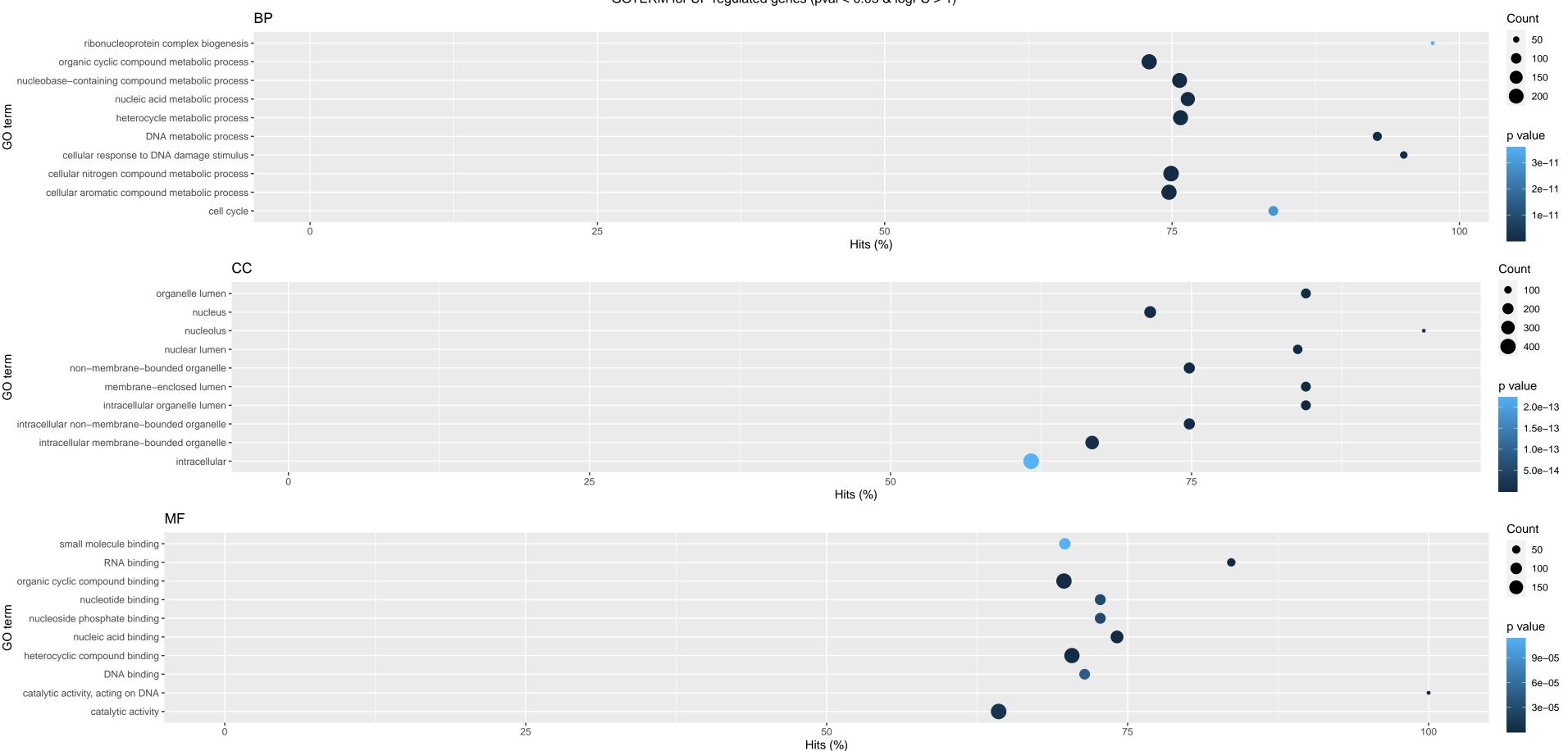
WT_QSC VS MDX_QSC



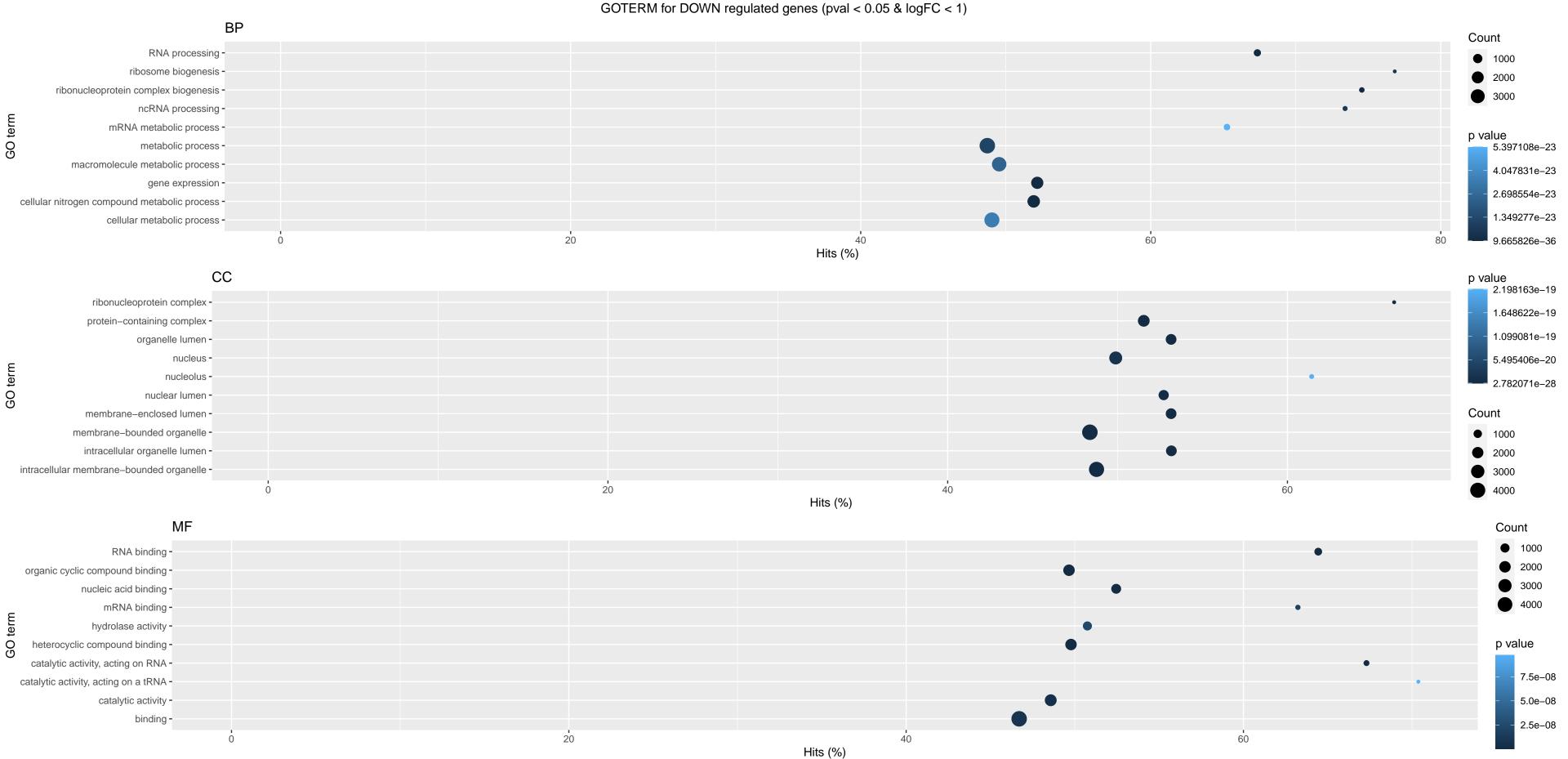
WT_ASC VS MDX_ASC
GOTERM for all genes (pval < 0.05)



WT_ASC VS MDX_ASC
GOTERM for UP regulated genes (pval < 0.05 & logFC > 1)



WT_ASC VS MDX_ASC
GOTERM for DOWN regulated genes (pval < 0.05 & logFC < 1)

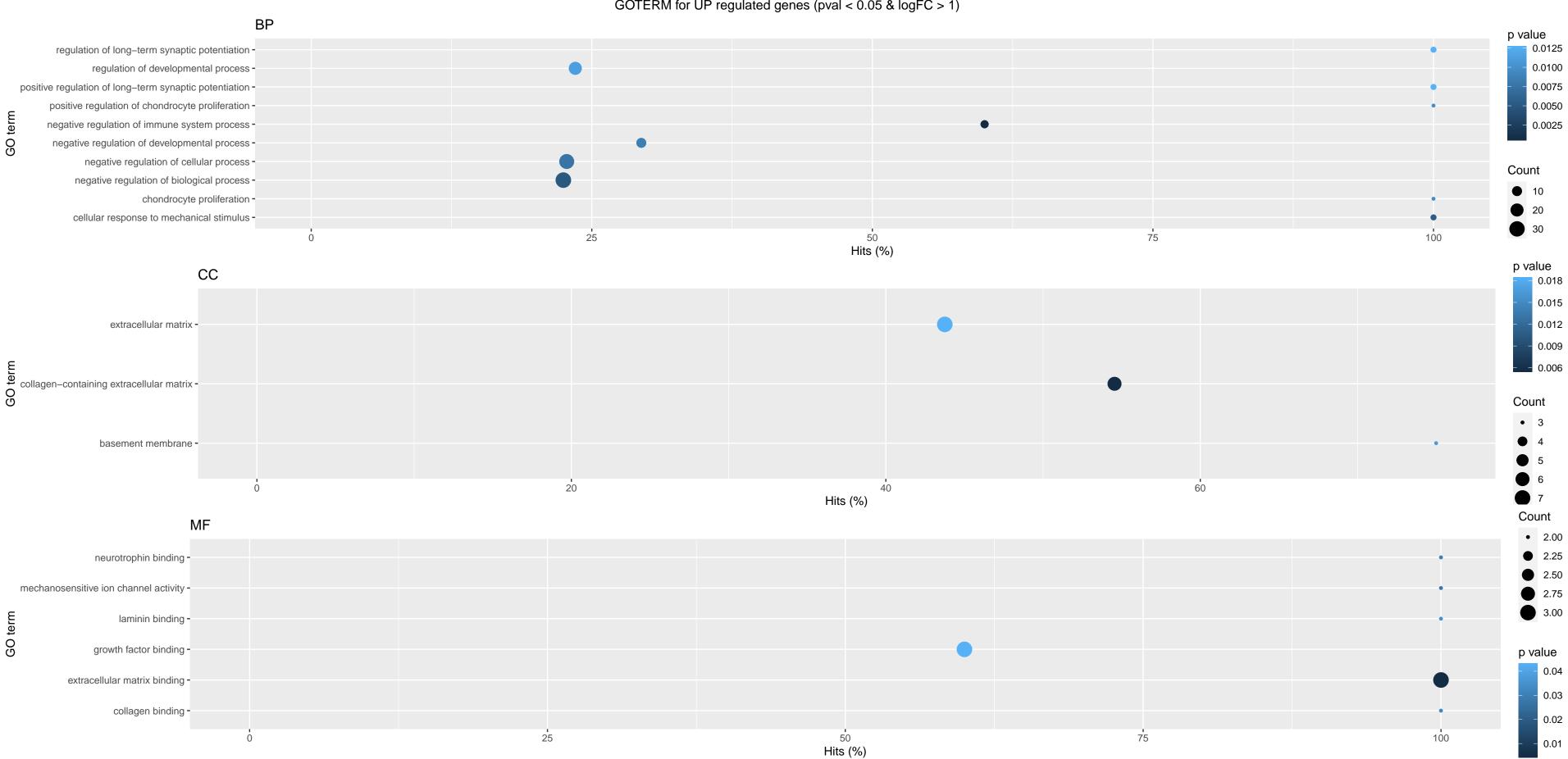


WT_MYOB VS MDX_MYOB GOTERM for all genes (pval < 0.05) p value 5.875721e-15 BP response to stimulus -4.406869e-15 response to other organism -2.938017e-15 response to external stimulus -1.469165e-15 response to external biotic stimulus -3.124698e-19 response to biotic stimulus response to bacterium -Count interspecies interaction between organisms -• 100 immune system process -**200** immune response -300 defense response -400 15 500 Hits (%) CC p value side of membrane -4e-07 plasma membrane -3e-07 MHC protein complex -2e-07 extracellular space -GO term 1e-07 extracellular region extracellular matrix external side of plasma membrane -Count collagen-containing extracellular matrix cell surface -200 cell periphery -300 40 20 30 10 Hits (%) MF Count TAP binding -**5**0 sulfur compound binding -100 signaling receptor binding heparin binding p value glycosaminoglycan binding -1.25e-06 O extracellular matrix structural constituent -1.00e-06 extracellular matrix binding -7.50e-07 collagen binding -5.00e-07 chemokine receptor binding -2.50e-07 chemokine activity -

Hits (%)

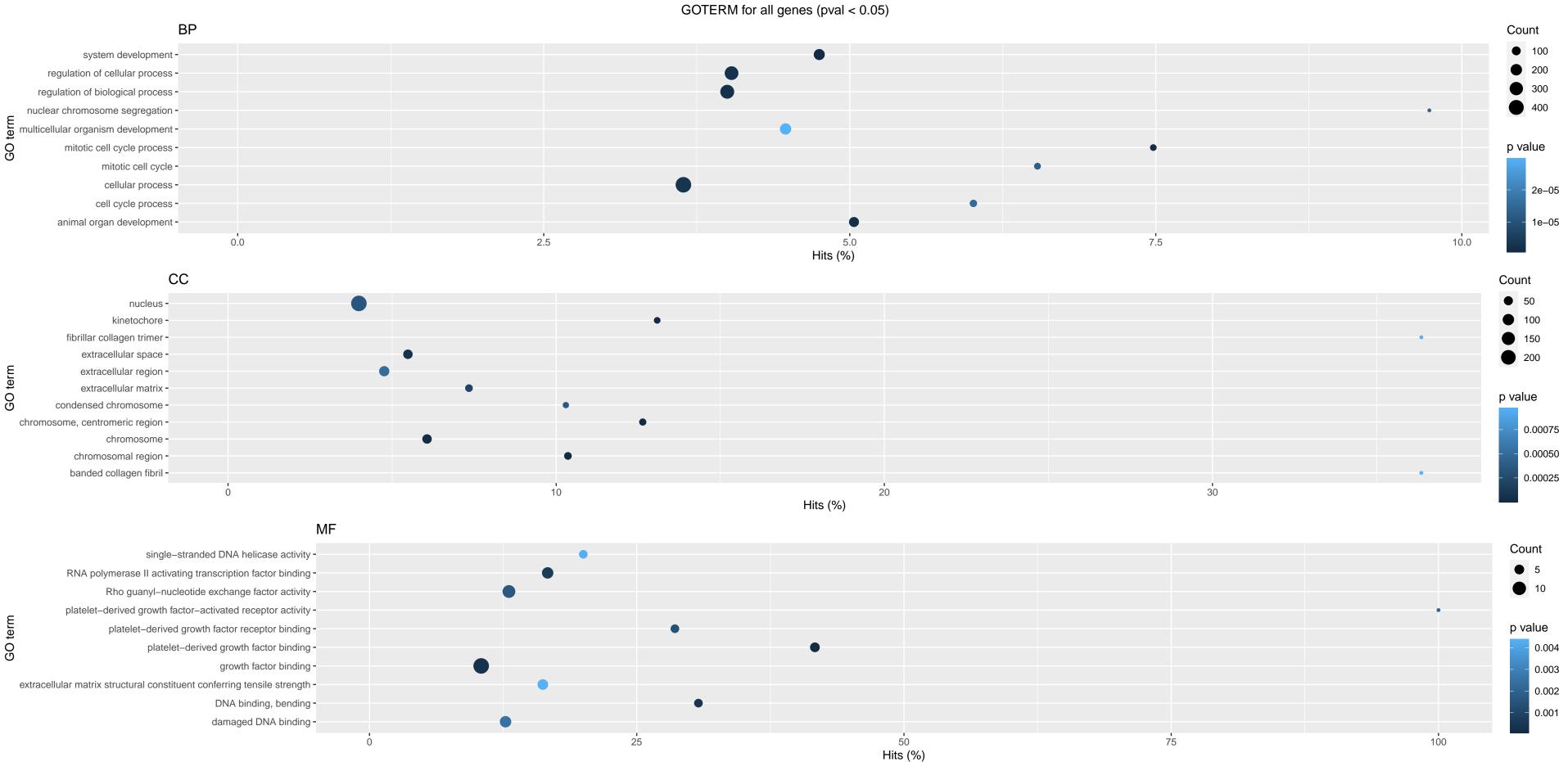
20

WT_MYOB VS MDX_MYOB
GOTERM for UP regulated genes (pval < 0.05 & logFC > 1)

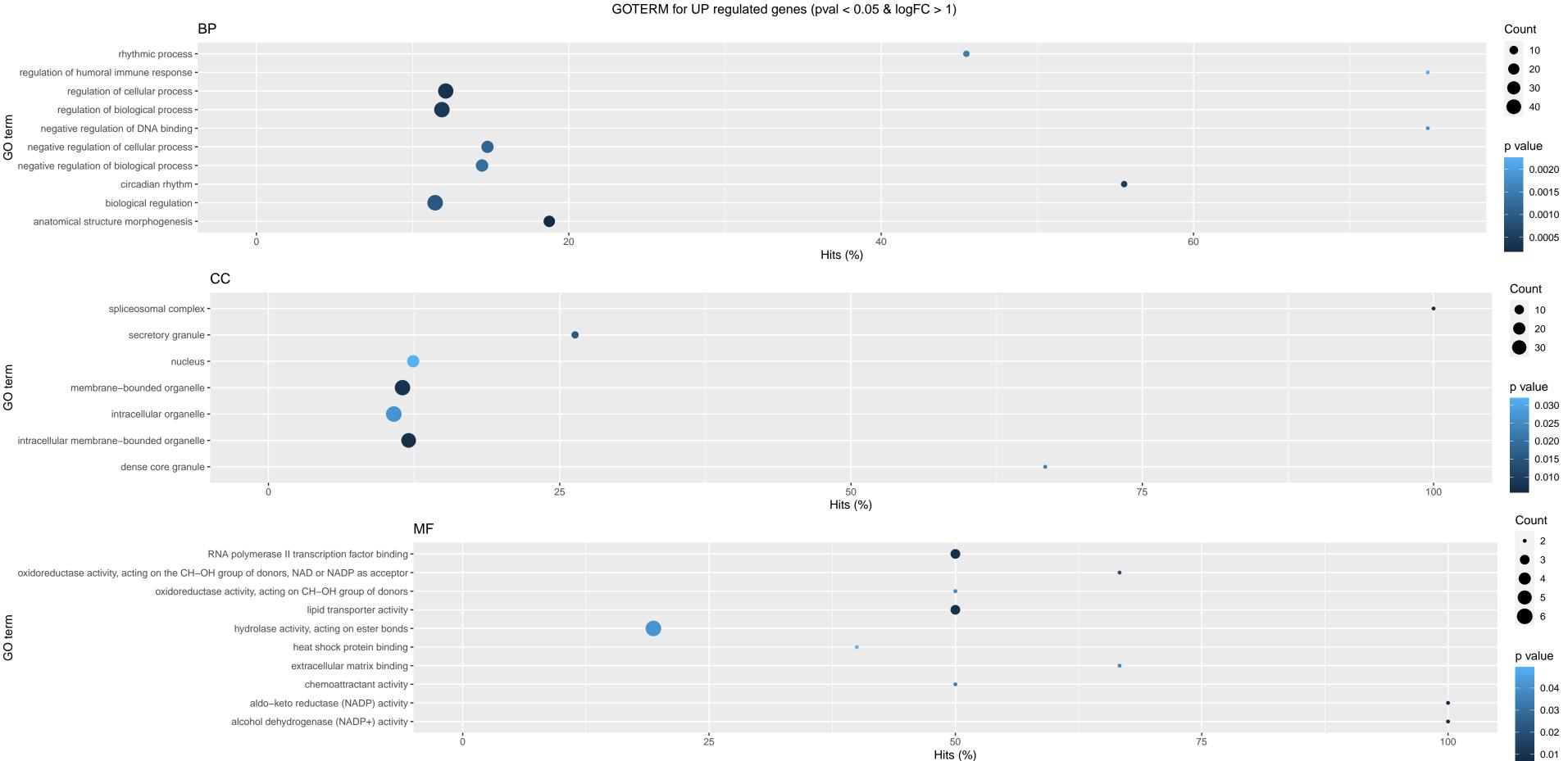


WT_MYOB VS MDX_MYOB GOTERM for DOWN regulated genes (pval < 0.05 & logFC < 1) p value 1.409337e-16 BP response to stimulus -1.057032e-16 response to other organism -7.047270e-17 response to external stimulus -3.524221e-17 response to external biotic stimulus -1.172408e-20 response to biotic stimulus response to bacterium -Count interspecies interaction between organisms -• 100 immune system process -**200** immune response -300 defense response -400 15 500 Hits (%) CC Count plasma membrane -**1**00 MHC protein complex -200 extracellular space -300 extracellular region extracellular matrix p value external side of plasma membrane -4e-07 collagen-containing extracellular matrix -3e-07 collagen trimer -2e-07 cell surface -1e-07 cell periphery -40 20 10 30 Hits (%) p value MF 2.0e-06 TAP binding -1.5e-06 sulfur compound binding -1.0e-06 signaling receptor binding -5.0e-07 signaling receptor activator activity heparin binding glycosaminoglycan binding -Count extracellular matrix structural constituent collagen binding chemokine receptor binding chemokine activity -20 Hits (%)

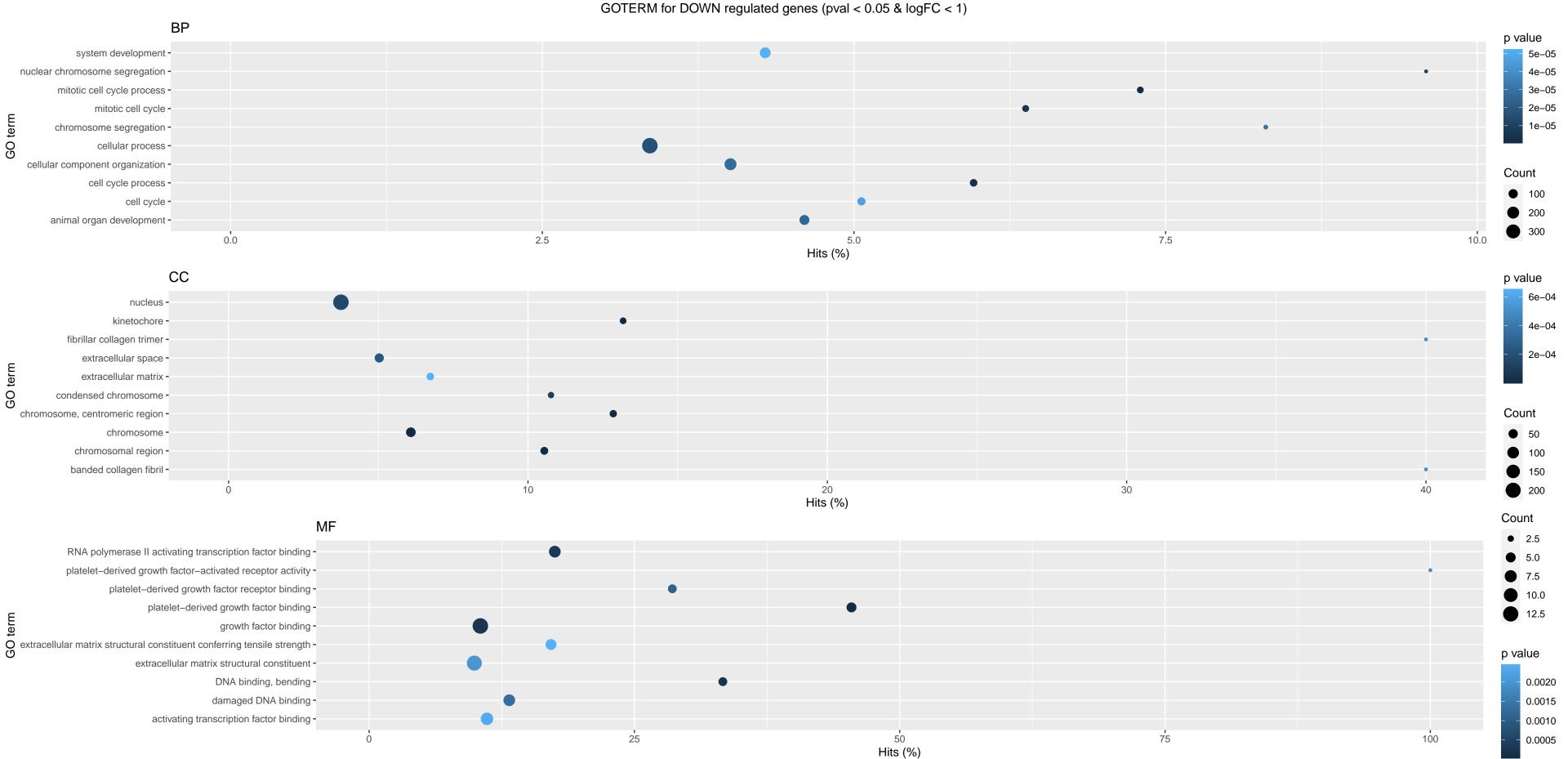
WT_DM VS MDX_DM



WT_DM VS MDX_DM

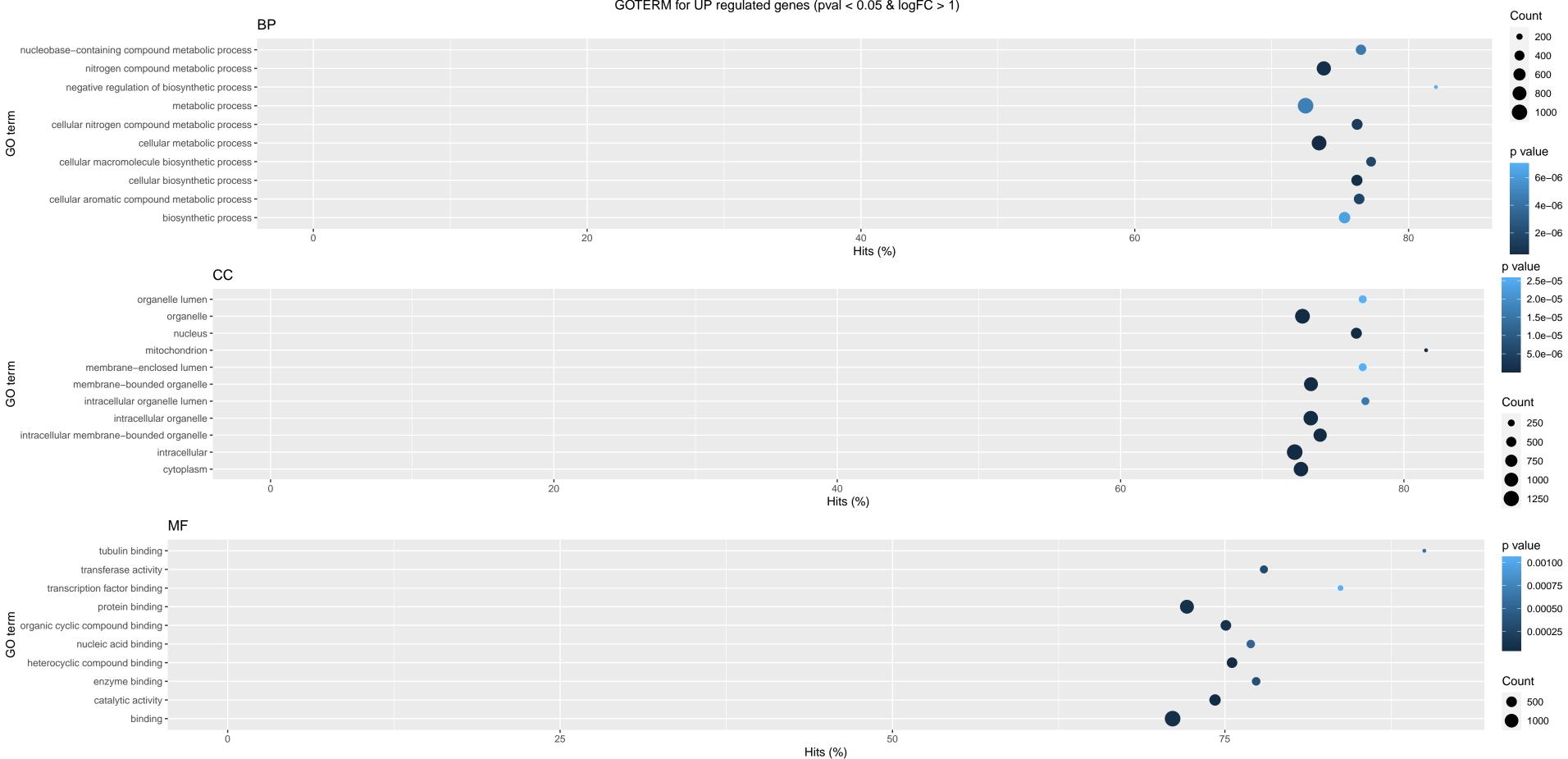


WT_DM VS MDX_DM
GOTERM for DOWN regulated genes (pval < 0.05 & logFC < 1)

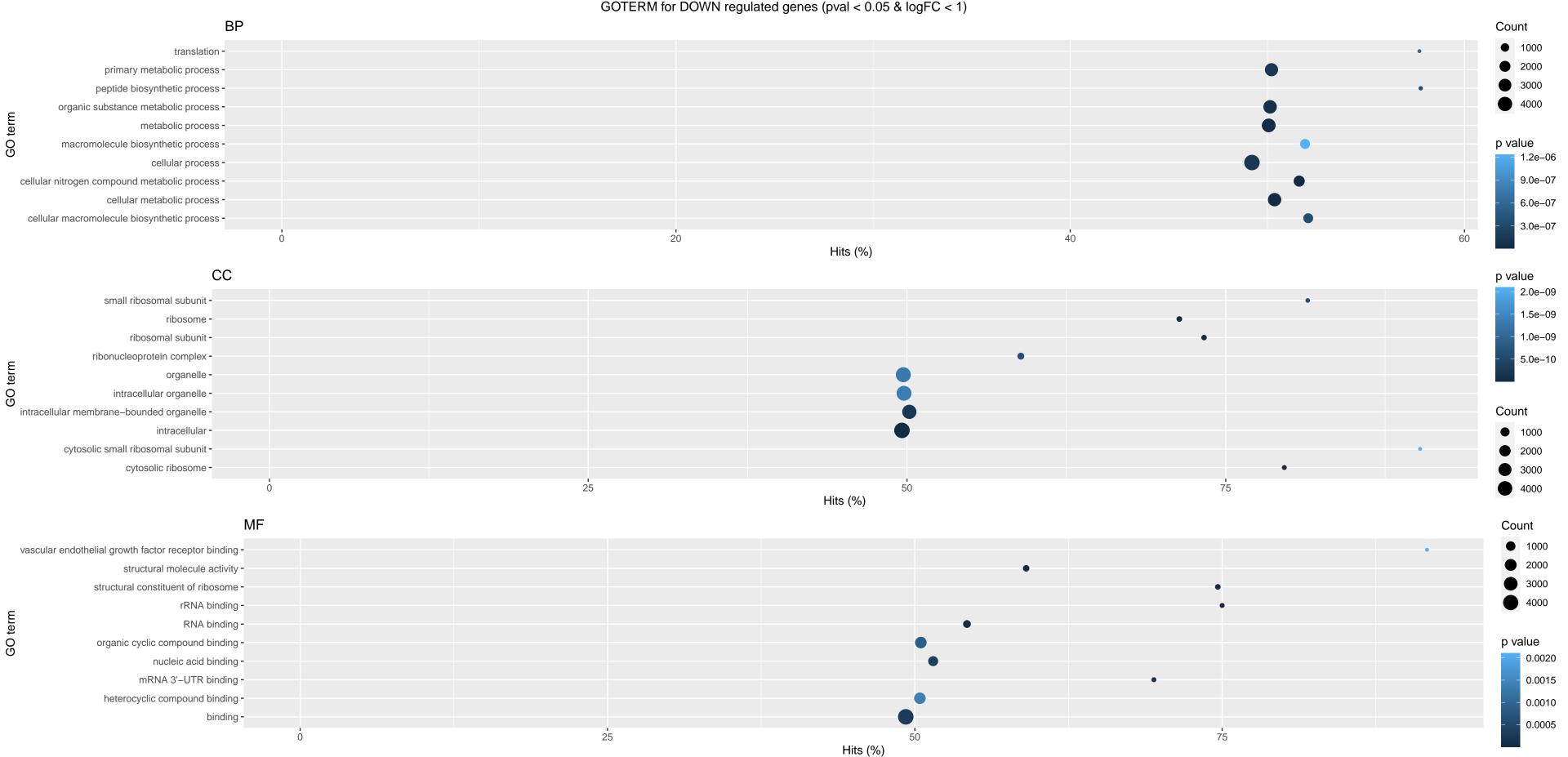


WT_ASC VS WT_MYOB GOTERM for all genes (pval < 0.05) Count BP • 2000 organic substance metabolic process organic substance biosynthetic process metabolic process -5000 macromolecule biosynthetic process -6000 cellular process -C cellular nitrogen compound metabolic process p value cellular metabolic process cellular macromolecule biosynthetic process -1.2e-06 cellular biosynthetic process -8.0e-07 biosynthetic process -4.0e-07 20 40 Hits (%) CC p value 1.5e-06 small ribosomal subunit ribosome -1.0e-06 ribosomal subunit ribonucleoprotein complex -5.0e-07 GO term mitochondrial protein complex mitochondrial matrix intracellular organelle -Count intracellular -2000 cytosolic small ribosomal subunit -4000 cytosolic ribosome -6000 25 50 75 Hits (%) p value MF 0.0020 structural molecule activity -0.0015 structural constituent of ribosome -0.0010 rRNA binding -0.0005 RNA binding protein binding organic cyclic compound binding -Count mRNA 3'-UTR binding -• 1000 heterocyclic compound binding -2000 extracellular matrix binding -3000 binding -4000 20 60 5000 Hits (%)

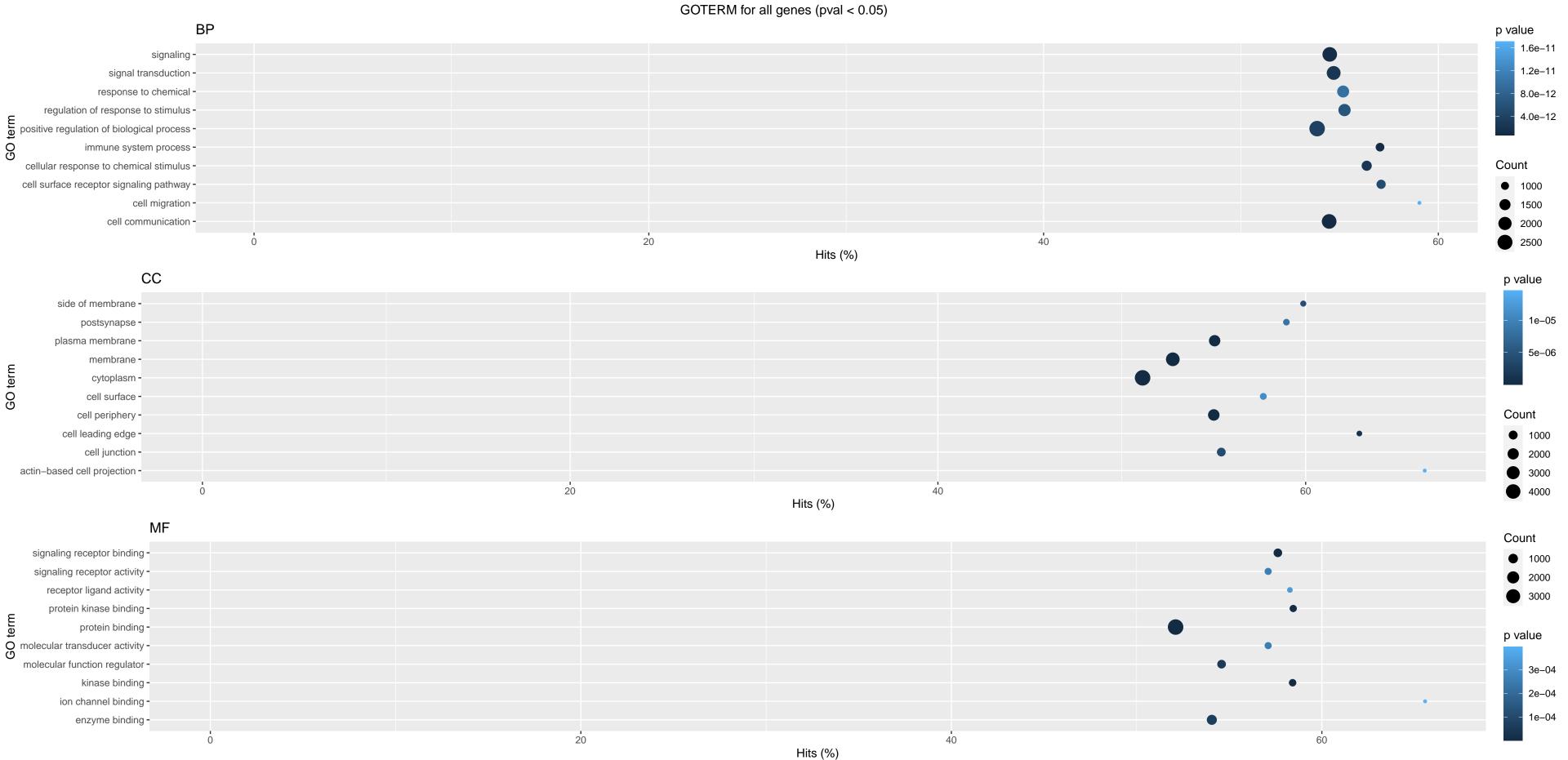
WT_ASC VS WT_MYOB
GOTERM for UP regulated genes (pval < 0.05 & logFC > 1)



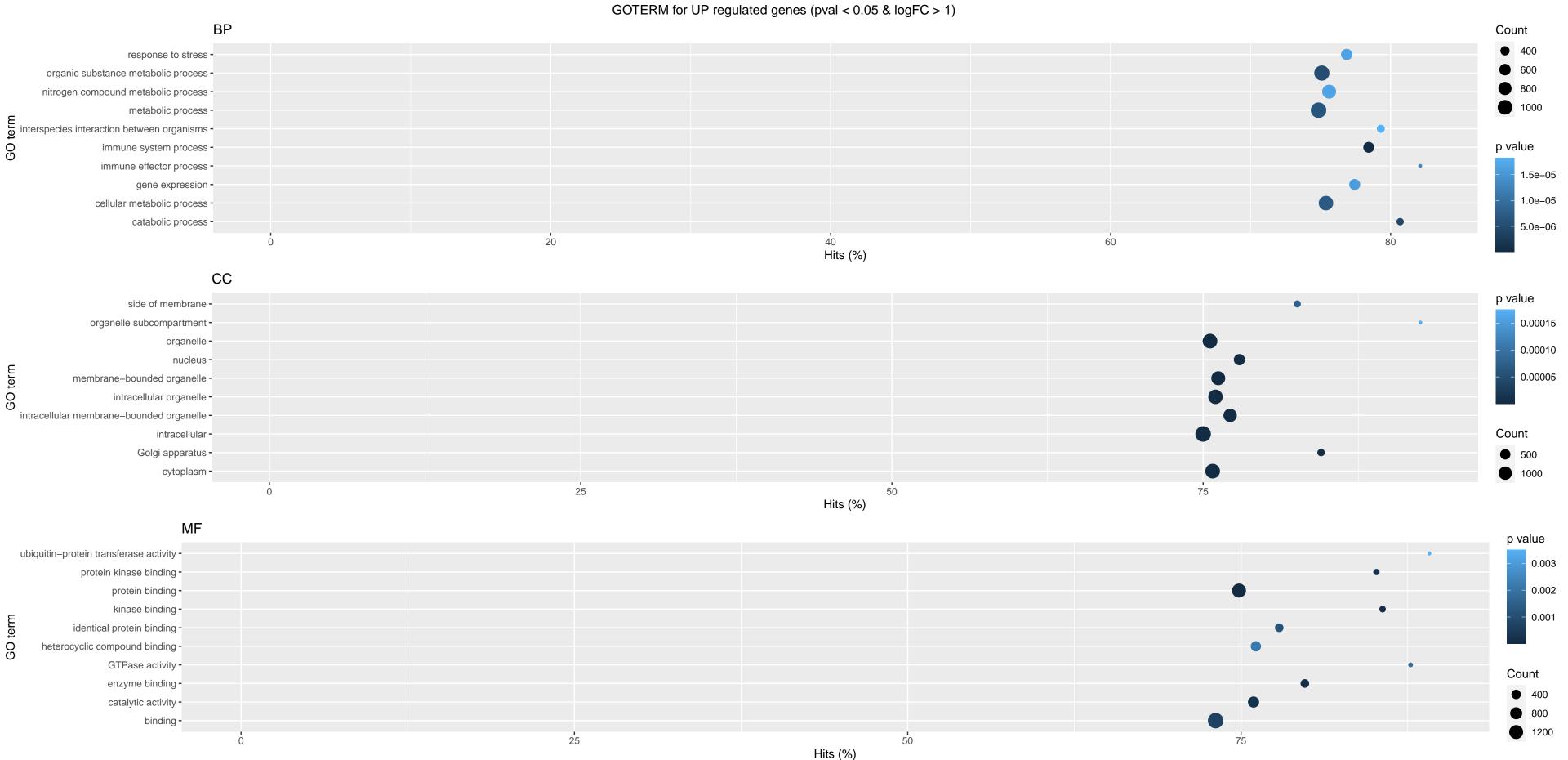
WT_ASC VS WT_MYOB
GOTERM for DOWN regulated genes (pval < 0.05 & logFC < 1)



MDX_ASC VS MDX_MYOB



MDX_ASC VS MDX_MYOB



MDX_ASC VS MDX_MYOB

