表 1 乳腺癌差异表达基因功能分析

Table 1 Gene ontology analysis of DEGs in breast cancer

类别 Category	术语 Term	计　数 Count	*p* 值 *p*-value	q 值 q-value
生物过程 Biological processes				
GOTERM_BP_FAT	GO:0043062~细胞外结构组织 GO:0043062~extracellular structure organization	138	2.70E-24	1.21E-20
GOTERM_BP_FAT	GO:0030198~细胞外基质组织 GO:0030198~extracellular matrix organization	124	1.18E-23	2.64E-20
GOTERM_BP_FAT	GO:0001655~泌尿生殖系统发育 GO:0001655~urogenital system development	101	5.76E-17	8.57E-14
GOTERM_BP_FAT	GO:0072001~肾系统发育 GO:0072001~renal system development	91	8.93E-16	9.97E-13
GOTERM_BP_FAT	GO:0001822~肾脏发育 GO:0001822~kidney development	85	1.87E-14	1.67E-11
GOTERM_BP_FAT	GO:0001503~骨化 GO:0001503~ossification	104	1.16E-12	8.66E-10
GOTERM_BP_FAT	GO:0000819~姐妹染色单体分离 GO:0000819~sister chromatid segregation	73	3.96E-12	2.53E-09
GOTERM_BP_FAT	GO:0030323~呼吸管发育 GO:0030323~respiratory tube development	59	1.70E-11	9.49E-09
GOTERM_BP_FAT	GO:0061448~结缔组织发育 GO:0061448~connective tissue development	72	2.12E-11	1.05E-08
GOTERM_BP_FAT	GO:0050673~上皮细胞增殖 GO:0050673~epithelial cell proliferation	105	2.47E-11	1.10E-08
细胞成分 Cellular components				
GOTERM_CC_FAT	GO:0005578~蛋白质细胞外基质 GO:0005578~proteinaceous extracellular matrix	143	3.25E-31	1.81E-28
GOTERM_CC_FAT	GO:0044420~细胞外基质成分 GO:0044420~extracellular matrix component	52	1.19E-14	3.31E-12
GOTERM_CC_FAT	GO:0005911~细胞间连接 GO:0005911~cell-cell junction	118	7.11E-13	1.32E-10
GOTERM_CC_FAT	GO:0005604~基底膜 GO:0005604~basement membrane	38	1.55E-12	2.16E-10
GOTERM_CC_FAT	GO:0005819~纺锤体 GO:0005819~spindle	87	1.54E-10	1.71E-08
GOTERM_CC_FAT	GO:0043235~复合体受体 GO:0043235~receptor complex	97	2.01E-10	1.87E-08
GOTERM_CC_FAT	GO:0070160~闭合连接 GO:0070160~occluding junction	43	2.11E-09	1.67E-07
GOTERM_CC_FAT	GO:0045121~膜筏 GO:0045121~membrane raft	82	3.65E-09	2.29E-07
GOTERM_CC_FAT	GO:0042383~肌膜炎 GO:0042383~sarcolemma	44	3.81E-09	2.29E-07
GOTERM_CC_FAT	GO:0098857~膜微区 GO:0098857~membrane microdomain	82	4.23E-09	2.29E-07
分子功能 Molecular functional				
GOTERM_MF_FAT	GO:0005539~糖胺聚糖结合 GO:0005539~glycosaminoglycan binding	71	4.77E-12	4.53E-09
GOTERM_MF_FAT	GO:0019199~跨膜受体蛋白激酶活性	39	1.84E-11	8.72E-09

	GO:0019199~transmembrane receptor protein kinase activity			
GOTERM_MF_FAT	GO:0019838~生长因子结合 GO:0019838~growth factor binding	49	5.71E-11	1.81E-08
GOTERM_MF_FAT	GO:0008201~肝素结合 GO:0008201~heparin binding	55	7.75E-10	1.84E-07
GOTERM_MF_FAT	GO:0004714~跨膜受体蛋白酪氨酸激酶活性 GO:0004714~transmembrane receptor protein tyrosine kinase activity	32	1.45E-09	2.46E-07
GOTERM_MF_FAT	GO:0003779~肌动蛋白结合 GO:0003779~actin binding	102	1.56E-09	2.46E-07
GOTERM_MF_FAT	GO:1901681~硫化合物结合 GO:1901681~sulfur compound binding	68	6.35E-09	8.61E-07
GOTERM_MF_FAT	GO:0000982~转录因子活性，RNA 聚合酶 II 近端启动子序列特异性 DNA 结合 GO:0000982~transcription factor activity, RNA polymerase II proximal promoter sequence specific DNA binding	94	5.37E-08	6.37E-06
GOTERM_MF_FAT	GO:0031434~有丝分裂原激活的蛋白激酶激酶结合 GO:0031434~mitogen-activated protein kinase kinase binding	28	1.70E-07	1.79E-05
GOTERM_MF_FAT	GO:0001228~转录激活子活性，RNA 聚合酶 II 转录调控区序列特异性 DNA 结合 GO:0001228~transcriptional activator activity, RNA polymerase II transcription regulatory region sequence-specific DNA binding	94	3.28E-07	3.12E-05

注: BP: 生物过程; CC: 细胞成分; GO: 基因本体; MF: 分子功能

Note: BP: Biological process; CC: Cellular component; GO: Gene ontology; MF: Molecular function.