a
MaGiC
GO Term
system development
response to stress
response to abiotic stimulus
purine ribonucleotide binding
multicellular organism development
drug binding
double-strand break repair
animal organ development
adenyl ribonucleotide binding
adenyl nucleotide binding
0.01
0.02
0.03
0.04
0.05
Rich Factor
−log10(p.value)
7.8
7.6
7.4
7.2
Gene number
20
30
40
50
b
TCGA
GO Term
nucleoplasm
nuclear lumen
DNA repair
DNA metabolic process
damaged DNA binding
chromosome organization
chromosome
chromosomal part
cellular response to stress
cellular response to DNA damage stimulus
0.05
0.10
0.15
0.20
Rich Factor
−log10(p.value)
27.5
25.0
22.5
20.0
17.5
Gene number
20
30
40
50
60
c
MaGiC
KEGG Term
Platinum drug resistance
Pathways in cancer
Pancreatic cancer
MicroRNAs in cancer
Homologous recombination
Gastric cancer
Fanconi anemia pathway
Endometrial cancer
Colorectal cancer
Chronic myeloid leukemia
0.06
0.09
0.12
0.15
0.18
Rich Factor
−log10(p.value)
6.0
5.5
5.0
4.5
4.0
Gene number
8
12
16
20
d
TCGA
KEGG Term
Pathways in cancer
Nucleotide excision repair
Mismatch repair
Homologous recombination
Hepatocellular carcinoma
Gastric cancer
Fanconi anemia pathway
Colorectal cancer
Chronic myeloid leukemia
Cell cycle
0.1
0.2
0.3
Rich Factor
Gene number
5
10
15
20
−log10(p.value)
15
12
9
6