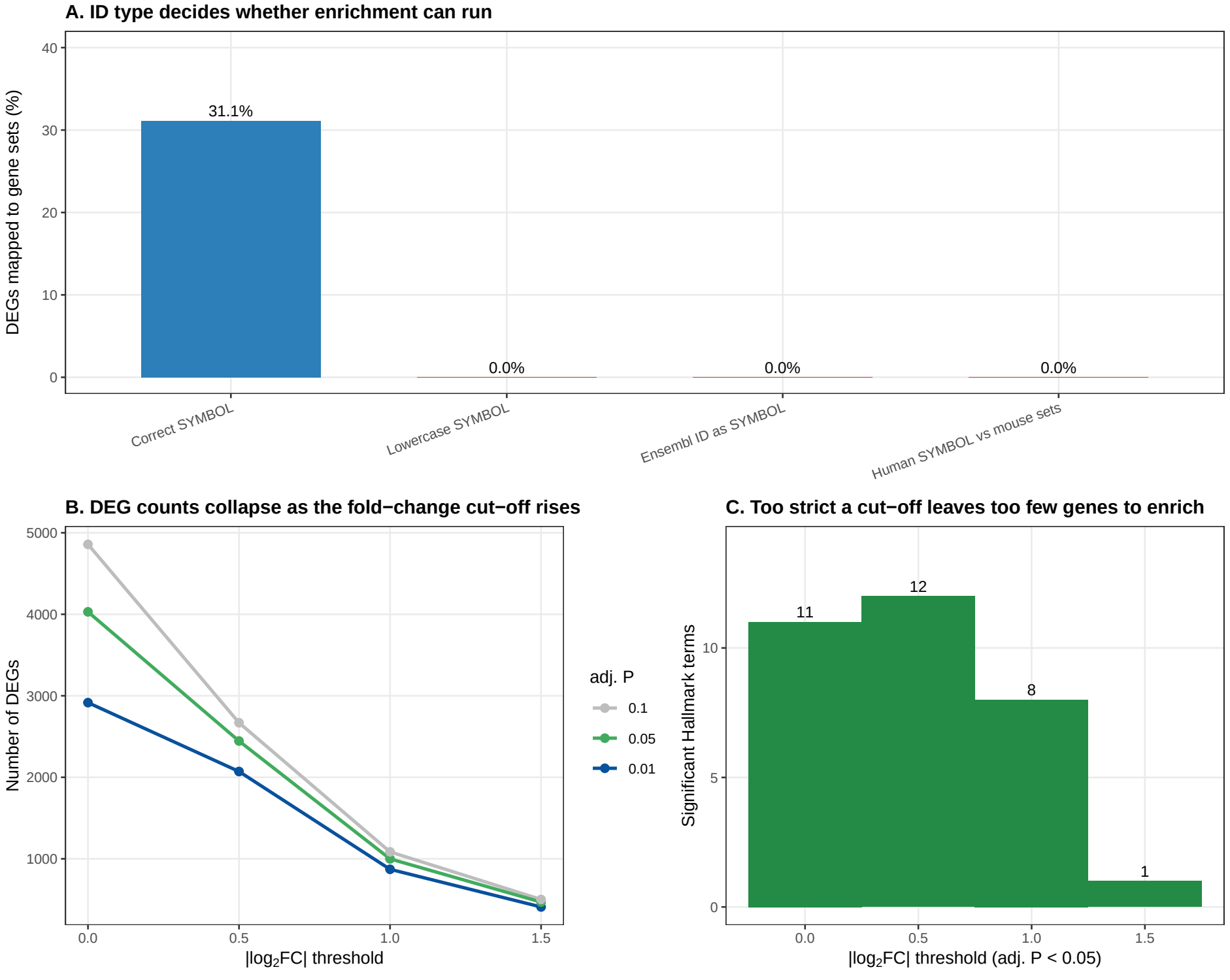
A. ID type decides whether enrichment can run
DEGs mapped to gene sets (%)
40
30
20
10
0
31.1%
0.0%
0.0%
0.0%
Correct SYMBOL
Lowercase SYMBOL
Ensembl ID as SYMBOL
Human SYMBOL vs mouse sets
B. DEG counts collapse as the fold−change cut−off rises
Number of DEGs
5000
4000
3000
2000
1000
0.0
0.5
1.0
1.5
|log2FC| threshold
adj. P
0.1
0.05
0.01
C. Too strict a cut−off leaves too few genes to enrich
Significant Hallmark terms
10
5
0
11
12
8
1
0.0
0.5
1.0
1.5
|log2FC| threshold (adj. P < 0.05)