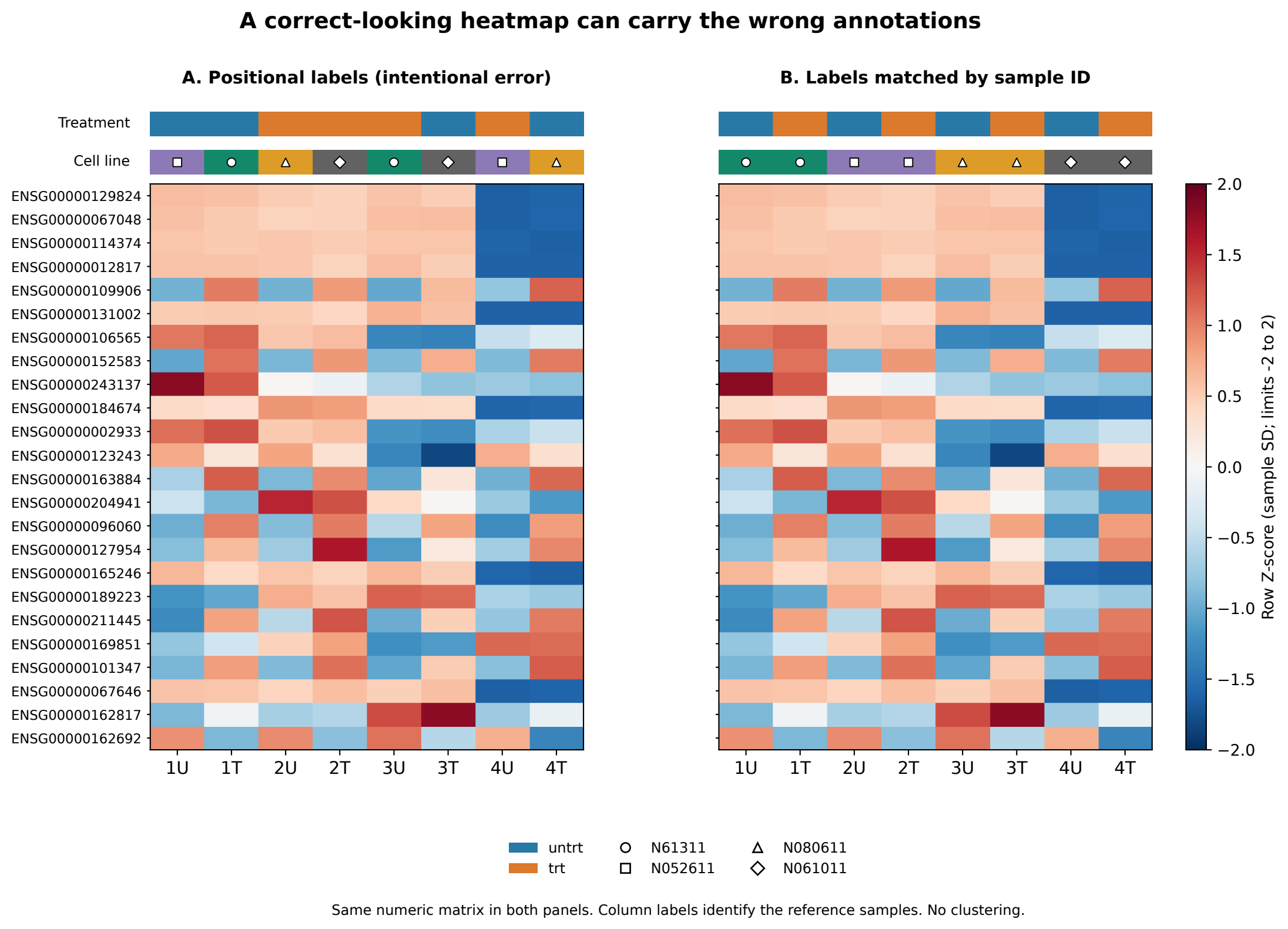
A correct-looking heatmap can carry the wrong annotations
A. Positional labels (intentional error)
B. Labels matched by sample ID
Treatment
Cell line
ENSG00000129824
ENSG00000067048
ENSG00000114374
ENSG00000012817
ENSG00000109906
ENSG00000131002
ENSG00000106565
ENSG00000152583
ENSG00000243137
ENSG00000184674
ENSG00000002933
ENSG00000123243
ENSG00000163884
ENSG00000204941
ENSG00000096060
ENSG00000127954
ENSG00000165246
ENSG00000189223
ENSG00000211445
ENSG00000169851
ENSG00000101347
ENSG00000067646
ENSG00000162817
ENSG00000162692
1U 1T 2U 2T 3U 3T 4U 4T
2.0 1.5 1.0 0.5 0.0 −0.5 −1.0 −1.5 −2.0
Row Z-score (sample SD; limits -2 to 2)
untrt
trt
N61311
N052611
N080611
N061011
Same numeric matrix in both panels. Column labels identify the reference samples. No clustering.