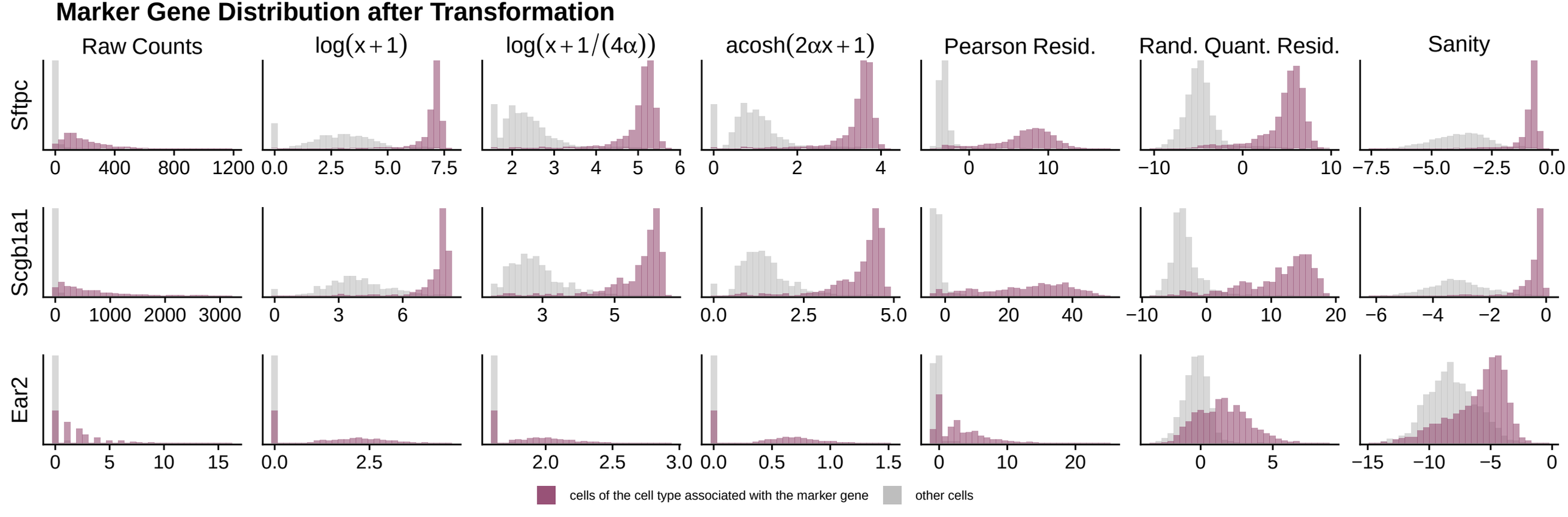
Marker Gene Distribution after Transformation
Raw Counts
log(x+1)
log(x+1/(4α))
acosh(2αx+1)
Pearson Resid.
Rand. Quant. Resid.
Sanity
Sftpc
Scgb1a1
Ear2
0
400
800
1200
0.0
2.5
5.0
7.5
2
3
4
5
6
0
2
4
0
10
−10
0
10
−7.5
−5.0
−2.5
0.0
0
1000
2000
3000
0
3
6
3
5
0.0
2.5
5.0
0
20
40
−10
0
10
20
−6
−4
−2
0
0
5
10
15
0.0
2.5
2.0
2.5
3.0
0.0
0.5
1.0
1.5
0
10
20
0
5
−15
−10
−5
0
cells of the cell type associated with the marker gene
other cells