

D Success Rate by Dataset Category

RDS → H5AD

H5AD → RDS

Success Rate (%)

100

80

60

40

20

0

CrossCell

21/21
100%

21/21
100%

4/4
100%

3/3
100%

6/6
100%

Zellkonverter

21/21
100%

21/21
100%

4/4
100%

3/3
100%

5/6
83%

anndataR

21/21
100%

21/21
100%

0/4
0%

0/3
0%

0/6
0%

convert2anndata

0/21
0%

19/21
90%

N/A

N/A

N/A

easySCF

21/21
100%

21/21
100%

0/4
0%

0/3
0%

0/6
0%

Seurat V4

Seurat V5

scanpy/
scvelo

cellxgene

squidpy/
spatial