R20 | Independent output directory, same software environment
Actual reruns: R02, R11 and R13; all 20 recorded checks passed

Comparison	Observed	Status
Input archive SHA256	matching hash	**PASS**
Object shape	(2638, 13656)	**PASS**
Gene IDs	13656	**PASS**
Cell IDs	2638	**PASS**
Counts, all elements	0.0	**PASS**
Log1p, all elements	0.0	**PASS**
PCA coordinates	0.0	**PASS**
UMAP coordinates	0.0	**PASS**
2,000 HVGs	2000	**PASS**
Leiden 0.5: ARI	1.0	**PASS**

Comparison	Observed	Status
Leiden 0.5: labels	2638	**PASS**
Leiden 1.0: ARI	1.0	**PASS**
Leiden 1.0: labels	2638	**PASS**
R02: cell QC	0.0	**PASS**
R02: cluster sizes	0.0	**PASS**
R02: partition cross-tab	0.0	**PASS**
R11: cluster expression	0.0	**PASS**
R11: donor detection	0.0	**PASS**
R13: paired test	0.0	**PASS**
R13: sample proportions	0.0	**PASS**

ID-aligned comparisons. Numeric tolerances are recorded in the CSV. This is not a fresh-environment replay of all 20 topics.