																								metric_grp	¹ me	tric_grp
0.98	1.00	1.00	0.98	0.98	1.00	1.00	0.96	0.92	0.94	0.99	0.97	0.97	0.96	0.99	0.97	1.00	0.99	1.00	0.95	1.00	1.00	0.99	0.93	DCCA	0.9	Both modalities downsample scATAC downsample
1.00	1.00	1.00	0.82	0.96	1.00		1.00	1.00	1.00	1.00	0.80	0.91		1.00		0.96	0.97	0.99	0.79	0.89	0.97	0.99	1.00	MOFA+	0.8	scRNA downsample
0.98		1.00	0.88	0.99	0.99		0.94	0.85	0.95	0.99	0.81	0.87	0.95	0.99	0.96	0.81	0.89	0.98	0.66	0.83	0.91	0.96	0.89	MultiVI	0.7	
1.00	1.00	1.00	0.99	1.00	1.00		1.00	0.97	0.96	0.99	0.95	0.99	0.97	0.99			0.96	0.99	0.94	1.00		0.98		Multigrate		
0.94		1.00	NA	0.97	0.99		NA	0.98	0.99	1.00	NA	1.00		1.00	NA	0.96	0.96	0.99	NA	1.00	0.98	0.99	NA	Seurat v4 WNN	0.6	
0.98	1.00	1.00	0.99	0.97	0.99		0.98	0.95	0.98	1.00	0.86	0.90	0.97	1.00	0.97	0.93	0.95	0.99	0.83	0.89	0.95	0.99	0.92	cobolt	0.5	
0.97	0.99	1.00	1.00	0.98	0.99		1.00	0.89	0.89	0.98	0.96	0.93	0.92	0.97		0.89	0.89	0.98	0.95	0.91	0.91	0.96		scAl		
1.00	1.00	1.00	1.00	0.95	1.00		0.98	1.00	1.00	1.00	1.00	0.95		1.00		0.98	0.96	1.00	1.00	0.93	0.94	0.99	0.97	scDEC		
1.00	1.00	1.00	0.93	1.00	1.00		0.73	0.98		0.99	0.73	1.00		0.99		0.92	0.94	0.99	0.85	0.97	0.97	0.98		scMDC		
1.00	1.00	1.00	1.00		1.00		1.00	0.97	0.95	0.99	0.98	0.94	0.97	0.98		0.97	0.96	0.99		0.96	0.97	0.97		scMVAE		
	0.99	1.00	1.00	0.97	0.99			1.00	0.99	0.99	0.97	1.00		0.99	0.97	0.98	0.97	0.99	0.96	1.00	1.00	0.98	0.96	scMVP		
0.78	0.85	0.99	0.94	0.84	0.88	0.97	1.00	0.41	0.50	0.88	0.87	0.44	0.53	0.78		0.45	0.51	0.88	0.84	0.48	0.53	0.77		uniPort		
ARI ATAC	AMI ATAC	graph cLISI ATAC	isolated labels ASW ATAC	ARI level 1 ATAC	AMI level 1 ATAC	graph cLISI level 1 ATAC	isolated labels ASW level 1 ATAC	ARI RNA	AMI RNA	graph cLISI RNA	isolated labels ASW RNA	ARI level 1 RNA	AMI level 1 RNA	graph cLISI level 1 RNA	isolated labels ASW level 1 RNA	ARI Both	AMI Both	graph cLISI Both	isolated labels ASW Both	ARI level 1 Both	AMI level 1 Both	graph cLISI level 1 Both	isolated labels ASW level 1 Both			