																								metric_grp		metric_grp
0.42	0.48	0.59	0.60			0.45	0.58	0.31	0.35	0.55	0.56			0.37	0.55	0.24	0.27	0.48	0.50	0.92	0.91	0.29	0.50	cobolt	0.8	Both modalities downsample scATAC downsample
0.46	0.42	0.67	0.63	0.97	0.98	0.54	0.58	0.32	0.38	0.52	0.55	0.94	0.93	0.58	0.60	0.46	0.49	0.60	0.61	0.95	0.93	0.58	0.53	DCCA		scRNA downsample
0.40	0.40	0.62	0.60	0.96		0.57	0.62	0.41	0.43	0.63	0.63		0.97	0.54	0.59	0.26	0.30	0.48	0.50	0.92	0.89	0.52	0.63	MOFA+	0.6	
0.58	0.50	0.72	0.67	0.98		0.46	0.49	0.37	0.44	0.57	0.59	0.94	0.93	0.45	0.48	0.40	0.49	0.53	0.57	0.91	0.87	0.41	0.48	Multigrate	0.4	
0.32	0.33	0.55	0.55	0.95	0.94	0.41	0.54	0.23	0.23	0.48	0.48	0.93	0.88	0.31	0.55	0.18	0.18	0.34	0.35	0.86	0.78	0.36	0.48	MultiVI		
0.49	0.47	0.70	0.67	0.98		0.67	0.56	0.18	0.22	0.31	0.33	0.88	0.82	0.58	0.55	0.11	0.13	0.28	0.28	0.88	0.81	0.59	0.53	scAl	0.2	
0.36	0.42	0.60	0.61	0.96		0.64	0.45	0.36	0.41	0.51	0.53	0.94	0.91	0.44	0.48	0.25	0.31	0.41	0.44	0.90	0.84	0.45	0.49	scDEC		
0.60	0.59	0.72	0.70	0.98		0.39	0.49	0.48	0.54	0.65	0.66			0.14	0.55	0.43	0.52	0.58	0.62	0.93	0.90	0.49	0.63	scMDC		
0.45	0.50	0.65	0.66	0.96		0.68	0.61	0.35	0.40	0.53	0.56	0.92	0.89	0.61	0.59	0.33	0.45	0.50	0.55	0.91	0.86	0.61	0.58	scMVAE		
0.52	0.53	0.72	0.70	0.98		0.62	0.50	0.51	0.62	0.69	0.72		0.95	0.48	0.50	0.47	0.61	0.63	0.69	0.93	0.89	0.48	0.47	scMVP		
0.55	0.47	0.71	0.66	0.98		NA	NA	0.59	0.53	0.73	0.70		0.99	NA	NA	0.51	0.53	0.63	0.62	0.96		NA	NA	Seurat v4 WNN		
0.39	0.43	0.57	0.59	0.95	0.93	0.49	0.48	0.00	0.00	0.00	0.00	0.68	0.44	0.40	0.44	0.00	0.01	0.00	0.01	0.69	0.44	0.42	0.43	uniPort		
	₽	≱	≱	gr	gr	isc	isc	₽	₽	₽	₽	gr	gr.	isc	isc	ARI	ARI	≥	Ş	gr	97	ls(	isc			
R A	ARI level 1	ami atac	AMI level 1	graph	graph	isolated	isolated labels	ARI RNA	ARI level	AMI RNA	AMI level 1	graph cLISI RNA	graph cLISI level 1 RNA	isolated labels ASW	isolated labels		2  e	AMI Both	AMI level 1	graph	graph	isolated labels	isolated labels			
ATAC	<u>%</u>	TAC	<u>8</u>	cLISI ATAC	cLISI	<u>8</u>	<u>9</u>	Ν	<u>ĕ</u>	Σ̈́	<u>8</u>	C L	C L	<u>8</u>	<u>8</u>	Both	level	oth	<u>8</u>	cLISI Both	cLISI level 1	9 6	9 0			
		•		<u>S</u>		labels	bel		<u>1</u> R			<u>0</u>	<u>S</u>	bel	bel		<u>α</u>			S	<u>8</u>	bel	bel			
	ATAC		ATAC	ΤAC	level	s A			RNA		RNA	Ñ	<u>vel</u>	S A			Both		Both	oth	<u>vel</u>					
			•	()	_	ASW	WS						<u>→</u>	WS	WS							8W	WS.			
					ATAC	ATAC	ASW level 1						Ñ	RNA	ASW level 1						Both	ASW Both	ASW level 1			
						б	<u>e</u>						-	⋗	<u>e</u>							<del>5</del>	<u>0</u>			
							ATAC								RNA								Both			
							Ó								⋗								<del>5</del>			