



F

scATAC	cell ₁	cell ₂	...	cell _n
peak ₁	0	1	...	2
peak ₂	2	0	...	0
⋮	⋮	⋮	⋮	⋮
peak _s	0	0	...	0

G

scRNA	cell ₁	cell ₂	...	cell _n
gene ₁	3	0	...	0
gene ₂	0	2	...	1
⋮	⋮	⋮	⋮	⋮
gene _r	0	4	3	0