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Predictor (exact recall)

scE2G (Multiome) (PBMC\_11\_CD14.Mono.1) (0.03) scE2G (Multiome) (PBMC\_13\_CD16.Mono) (0.03)

scE2G (Multiome) (BMMC22\_G\_M\_prog) (0.031)

scE2G (scATAC) (PBMC 13 CD16.Mono) (0.029)

scE2G (scATAC) (BMMC22 CD16 pos Mono) (0.032)

scE2G (scATAC) (PBMC 12 CD14.Mono.2) (0.031)

scE2G (Multiome) (BMMC22\_CD16\_pos\_Mono) (0.029)

In element (ABC (A=scATAC)) & distance to TSS (PBMC 11 CD14,Mono.1) (0.032)

In element (ABC (A=scATAC)) & distance to TSS (PBMC 13 CD16.Mono) (0.031) scE2G (scATAC) (PBMC 11 CD14.Mono.1) (0.027)

Kendall correlation (access, at E x expr. at G) (BMMC22 CD16 pos Mono) (0.03)

Kendall correlation (access. at E x expr. at G) (BMMC22 G M prog) (0.029) Kendall correlation (access. at E x expr. at G) (BMMC22 CD14 pos Mono) (0.031)

scE2G (scATAC) (BMMC22\_G\_M\_prog) (0.03)

scE2G (scATAC) (BMMC22 CD14 pos Mono) (0.031)

In element (ABC (A=scATAC)) & distance to TSS (BMMC22 CD16 pos Mono) (0.027)

In element (ABC (A=scATAC)) & distance to TSS (BMMC22\_G\_M\_prog) (0.029)

Kendall correlation (access. at E x expr. at G) (PBMC\_13\_CD16.Mono) (0.03)

Kendall correlation (access. at E x expr. at G) (PBMC\_11\_CD14.Mono.1) (0.03)

In element (ABC (A=scATAC)) & distance to TSS (BMMC22\_CD14\_pos\_Mono) (0.029)

Kendall correlation (access. at E x expr. at G) (PBMC 12 CD14.Mono.2) (0.032)