

B Memory vs Cell Count (colored by sparsity)

Peak Memory (GB)

120

100

80

60

40

20

0

0

200

400

600

800

1000

1200

Number of Cells ($\times 1000$)

Linear fit ($R^2=0.811$)

16 GB

128 GB

~5.3 GB per 100k cells
16 GB: up to ~122k cells
128 GB: up to 1.2M cells

kidney_atacseq
(69.4% sparsity)

100

95

90

85

80

75

70

65

Sparsity (%)

