Transform cell count Gene variance CoV: 61.3 0.5  $10^{0}$  $10^{1}$ Gene mean Fransform cell count Gene variance of 10<sup>4</sup> 0.5  $10^{0}$  $10^{1}$ Gene mean Transform cell count 1.0 Gene variance CoV: 2.1  $10^{0}$  $10^{1}$ Gene mean Fransform cell count Gene variance 10<sup>c</sup> CoV: 0.0 0.5  $10^{1}$ Gene mean Transform cell count Transform cell count Gene variance Gene variance 10<sup>6</sup> 1.0 CoV: 3.0 Frequency 0.0 Frequency 0.5 0.5  $10^{0}$ 0.0 0.0  $10^{1}$  $10^{1}$ Raw cell count Raw cell count Spearman r Spearman r Gene mean Gene mean