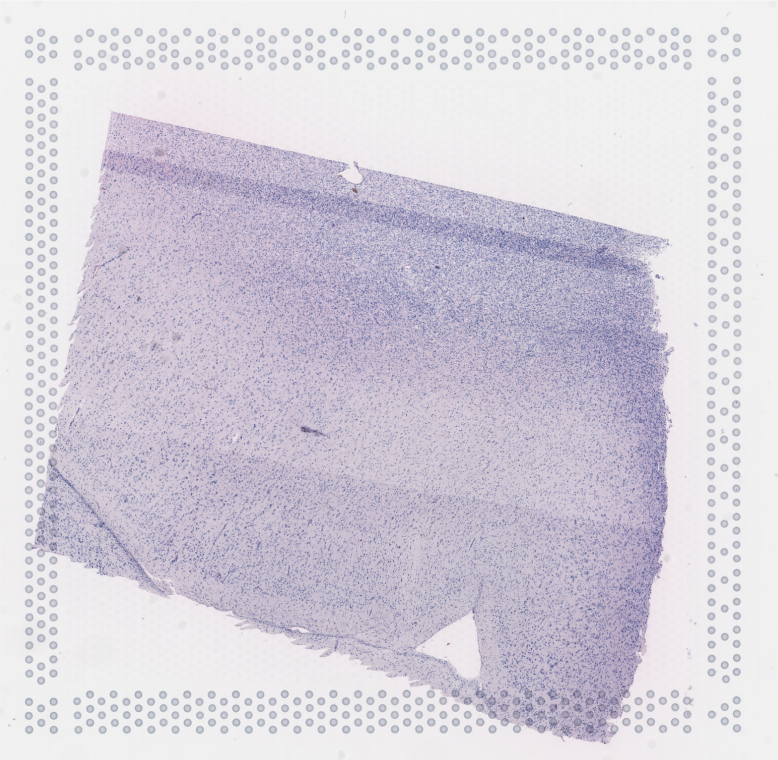
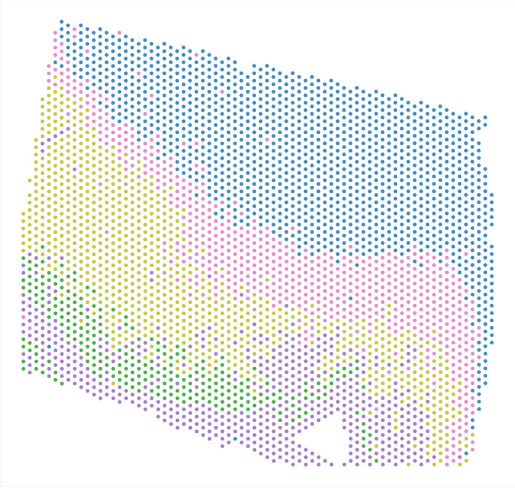
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Online Resource 6 Example of tumor-cluster enrichment for case 195096 (glioblastoma). a Hematoxylin and eosin (H&E) stained section of the Visium capture area showing the tissue used for spatial transcriptomic profiling. **b** Unsupervised clustering of spatial transcriptomic spots using Leiden community detection; each dot represents a Visium spot positioned according to its original spatial coordinates, colored by transcriptionally defined cluster. **c** Spot counts and proportion of the capture area occupied by each cluster. The spatial distribution of clusters was visually compared with the H&E morphology to identify tumor-enriched regions, which were subsequently selected for tumor-focused pseudobulk transcriptomic classification. In this case, cluster 0 was selected, yielding an increase in confidence score from 0.6 to 0.9.

a



b



c

Cluster	Color	Spots	% of total
0		1298	36.2
1		262	7.3
2		525	14.6
3		647	18.0
4		855	23.8