

| Original domain                     | Merged domain |
|-------------------------------------|---------------|
| Immune infiltrate                   | Immune        |
| Adipose tissue<br>Connective tissue | Stroma        |
| Breast glands                       | Normal        |
| Cancer in situ<br>Invasive cancer   | Tumor         |
| Not annotated                       | Not annotated |

Table 1: BC\_HER2+\_10x

| Original domain   | Merged domain   |
|---|-----------------|
| Lymphocytes   | Immune          |
| High Tumor-Infiltrating Lymphocytes (TILs) stroma<br>Lymphoid stroma                | Stroma + immune |
| Normal epithelium   | Normal          |
| Adipose tissue<br>Fibrosis<br>Fibrous stroma  | Stroma          |
| In situ carcinoma<br>Tumor cells  | Tumor           |
| Tumor stroma  | Tumor + stroma  |
| Artifacts<br>Endothelial<br>Hyperplasia<br>Necrosis<br>Peripheral nerve<br>Vascular | Not included    |
| Not annotated   | Not annotated   |

Table 2: BC\_HP\_10x

| Original domain  | Merged domain           |
|--|-------------------------|
| Lymphocytes  | Immune                  |
| Invasive cancer + lymphocytes  | Tumor + immune          |
| Invasive cancer + stroma + lymphocytes   | Tumor + stroma + immune |
| Adipose tissue<br>Stroma<br>Stroma + adipose tissue  | Stroma                  |
| Ductal Carcinoma In Situ (DCIS)<br>Invasive cancer   | Tumor                   |
| Invasive cancer + stroma   | Tumor + stroma          |
| Artifact<br>Cancer trapped in lymphocyte aggregation<br>Invasive cancer + adipose tissue + lymphocytes<br>Normal duct<br>Normal glands + lymphocytes<br>Normal + stroma + lymphocytes<br>Necrosis<br>Tertiary Lymphoid Structure (TLS) | Not included            |
| Not annotated  | Not annotated           |

Table 3: BC\_NP\_10x

| Original domain  | Merged domain   |
|--|-----------------|
| Lymphocyte<br>Lymphoid nodule  | Immune          |
| High Tumor-Infiltrating Lymphocyte (TIL) stroma<br>Low TIL stroma                                    | Stroma + immune |
| Acellular stroma<br>Fat tissue<br>Stroma cell  | Stroma          |
| Tumor  | Tumor           |
| Heterologous elements<br>In situ<br>Lactiferous duct<br>Necrosis<br>Nerve<br>Tumor region<br>Vessels | Not included    |

Table 4: BC\_TNBC\_ST

| Original domain   | Merged domain           |
|---|-------------------------|
| Connective tissue 2 fibroblastic Immune Cell (IC) low<br>Connective tissue 3 fibroblastic IC med<br>IC aggregate connective tissue<br>Stroma desmoplastic IC low<br>Stroma desmoplastic IC med to high<br>Stroma fibroblastic IC high<br>Stroma fibroblastic IC low<br>Stroma fibroblastic IC med | Stroma + immune         |
| Tumor & stroma IC low<br>Tumor & stroma IC med to high  | Tumor + stroma + immune |
| Epithelium & lam propria<br>Epithelium & submucosa<br>Lamina propria<br>Non neo epithelium<br>Submucosa   | Normal                  |
| Connective tissue 1 edema   | Stroma                  |
| Tumor   | Tumor                   |
| Tumor & stroma  | Tumor + stroma          |
| Connective tissue 4 muscularis IC low<br>Glandular tissue<br>IC aggregate muscularis or stroma<br>IC aggregate submucosa<br>Muscularis IC med to high<br>Squamous epithelium  | Not included            |
| Not annotated   | Not annotated           |

Table 5: CRC\_CMS\_10x

| Original domain  | Merged domain |
|--|---------------|
| Infiltrating cell<br>Tertiary Lymphoid Structure (TLS) | Immune        |
| Normal cell  | Normal        |
| Tumor cell   | Tumor         |
| Not annotated  | Not annotated |

Table 6: KC\_TLS\_10x

| Original domain  | Merged domain |
|--|---------------|
| Infiltrating cell<br>Tertiary Lymphoid Structure (TLS) | Immune        |
| Normal cell  | Normal        |
| Tumor cell   | Tumor         |
| Lymph node   | Not included  |
| Not annotated  | Not annotated |

Table 7: LC\_TLS\_10x