Supplementary Table 1. Details about the categories across different anatomic systems.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Cancer Systems** | **Cancer types** | **Category** | | |
| **A** | **B** | **C** |
| **Oral cavity and Pharynx** | **Lip** | **√** |  |  |
| **Tongue** |  | **√** |  |
| **Gum and other mouth** |  | **√** |  |
| **Floor of mouth** |  | **√** |  |
| **Salivary land** |  | **√** |  |
| **Tonsil** |  | **√** |  |
| **Oropharynx** |  | **√** |  |
| **Nasopharynx** |  | **√** |  |
| **Hypopharynx** |  | **√** |  |
| **Digestive system** | **Esophagus** | **√** |  |  |
| **Stomatch** | **√** |  |  |
| **Small intstine** |  | **√** |  |
| **Cecum** |  | **√** |  |
| **Appendix** |  |  | **√** |
| **Ascending colon** |  | **√** |  |
| **Hepatic flexure** |  | **√** |  |
| **Transverse colon** |  | **√** |  |
| **Splenic flexure** |  | **√** |  |
| **Descending colon** |  | **√** |  |
| **Sigmoid colon** |  | **√** |  |
| **Large intestine** | **√** |  |  |
| **Rectosigmoid junction** |  | **√** |  |
| **Rectum** |  | **√** |  |
| **Anus, Anal canal and Anorectum** |  | **√** |  |
| **Liver** | **√** |  |  |
| **Intrahepatic bile Duct** | **√** |  |  |
| **Gallbladder** | **√** |  |  |
| **Other Biliary** | **√** |  |  |
| **Pancrease** | **√** |  |  |
| **Retroperitoneum** |  | **√** |  |
| **Peritoneum, Omentum and Mesentery** |  | **√** |  |
| **Other Digestive organs** |  |  | **√** |
| **Respiratory  system** | **Nose, Nasal Cavity** |  | **√** |  |
| **Larynx** |  | **√** |  |
| **Lung and Bronchus** | **√** |  |  |
| **Trachea, Mediastium and other respiratory organs** |  | **√** |  |
| **Bone and soft tissues** | **Soft tissue including heart** |  | **√** |  |
| **Bone and joint** |  | **√** |  |
| **Other non-eprthelial skin** |  | **√** |  |
| **Melanoma of the skin** |  | **√** |  |
| **Breast** | **Breast** |  | **√** |  |
| **Female Genital  system** | **Vulva** |  | **√** |  |
| **Vagina** |  | **√** |  |
| **Cervix Uteri** |  | **√** |  |
| **Corpus Uteri** |  | **√** |  |
| **Uterus** | **√** |  |  |
| **Ovary** |  | **√** |  |
| **Other Female Genital Organs** |  | **√** |  |
| **Male Genital  system** | **Penis** |  | **√** |  |
| **Prostate** |  |  | **√** |
| **Testis** |  |  | **√** |
| **Other Male Genital organs** |  |  | **√** |
| **Urinary system** | **Kidney and renal pelvis** |  | **√** |  |
| **Ureter** | **√** |  |  |
| **Urinary Bladder** | **√** |  |  |
| **Other urinary Organs** |  | **√** |  |
| **Eye and Orbit** | **Eye and Orbit** |  | **√** |  |
| **Endocrine system** | **Thyroid** |  | **√** |  |
| **Other Endocrine including Thymus** | **√** |  |  |
| **Lymphoma** | **NHL-Extranodal** |  |  | **√** |
| **Mesothelioma** | **Mesothelioma** | **√** |  |  |