| 0.00 0.00 Digestive.system                | o.oo o.oo Embryo.Stem.cells | 0.00 0.00 Endocrine.system | 0.00<br>0.00<br>0.00<br>Fetal | 0.00<br>0.00<br>0.00<br>Immune.system | 0.00<br>0.02<br>0.01<br>Muscular.system | 0.00<br>0.00<br>0.00<br>Neonatal | 0.00 0.00 Nervous.system | 0.00<br>0.04<br>0.00<br>0.02<br>Others | 0.91<br>0.00<br>0.00<br>Reproductive.system | 0.00<br>0.68<br>0.00<br>Respiratory.system | 0.00<br>0.00<br>1.00<br>0.00 |                        | Reproductive.system  Respiratory.system  Skin  Urinal.system | 0.00<br>0.14<br>0.00<br>Digestive.system | 0.00 0.07 Embryo.Stem.cells | 0.00<br>0.37<br>0.00<br>Endocrine.system | 0.00<br>0.00<br>0.17 | 0.00<br>0.00<br>0.00<br>lmmune.system | 0.00<br>0.46<br>0.00 Muscular.system | 0.00<br>0.00<br>0.22 | 0.00<br>0.00<br>0.05<br>Nervous.system | 0.00<br>0.00<br>0.66<br>0.00 | 0.00<br>0.23<br>0.00<br>Reproductive.system | 0.47<br>0.00<br>0.46<br>Respiratory.system | 0.00<br>1.00<br>0.00<br>Skin |      | 0 Sk<br>2 Ur<br>8 Ur | espiratory.system<br>in<br>nassigned<br>inal.system |
|---|-----------------------------|----------------------------|-------------------------------|---------------------------------------|---|----------------------------------|--------------------------|--|---|--|------------------------------|------------------------|--|--|-----------------------------|--|----------------------|---------------------------------------|--------------------------------------|----------------------|--|------------------------------|---|--|------------------------------|------|----------------------|---|
|   |                             |                            |                               |                                       | 0.02                                    |                                  |                          | 0.04                                   |   | 0.68                                       | 0.00                         |                        | Respiratory.system Skin                                      | 0.00                                     |                             | 0.00                                     |                      |                                       | 0.00                                 |                      |  | 0.00                         | 0.00  | 0.00                                       | 1.00                         |      | 0 Sk                 | tin   |
|   |                             |                            |                               |                                       | 0.02                                    |                                  |                          | 0.04                                   |   | 0.68                                       | 0.00                         |                        | Respiratory.system   |  |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      |   |
|   |                             |                            |                               |                                       |   |                                  |                          |  |   |  |                              |                        |  | 0.00                                     |                             |  |                      |                                       |                                      |                      |  |                              | 0.00  | 0.47                                       | 0.00                         |      | 0 Re                 | espiratory.system                                   |
|   |                             |                            |                               |                                       |   |                                  |                          |  |   |  |                              |                        | D  |  |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      |   |
|   | 0.00                        | 0.02                       |                               |                                       | 0.03                                    |                                  |                          | 0.69                                   | 0.00  | 0.05                                       |                              |                        | Others   | 0.00                                     |                             |  |                      |                                       |                                      |                      |  |                              | 0.77  | 0.00                                       |                              |      | 0 Re                 | eproductive.system                                  |
|   |                             |                            |                               |                                       | 0.01                                    |                                  | 0.97                     | 0.01                                   | 0.00  |  |                              |                        | Nervous.system   | 0.00                                     |                             |  |                      |                                       |                                      |                      |  | 0.30                         |   |  |                              |      | 0 Ot                 | hers  |
|   |                             |                            | 0.01                          |                                       |   | 0.91                             |                          |  | 0.02  |  |                              |                        | Neonatal   | 0.00                                     | 0.00                        | 0.00                                     | 0.00                 | 0.00                                  | 0.00                                 | 0.00                 | 0.95                                   | 0.00                         | 0.00  | 0.00                                       | 0.00                         | 0.0  |                      | ervous.system                                       |
| ).01                                      |                             | 0.03                       |                               |                                       | 0.80                                    |                                  | 0.01                     | 0.11                                   |   | 0.06                                       |                              |                        | Muscular.system  | 0.00                                     |                             |  |                      |                                       | 0.00                                 | 0.76                 | 0.00                                   |                              |   |  |                              |      |                      | eonatal   |
| ).02                                      |                             | 0.04                       | 0.02                          |                                       | 0.04                                    | 0.02                             |                          | 0.10                                   |   | 0.12                                       |                              |                        | Immune.system  | 0.00                                     |                             | 0.01                                     |                      | 0.94                                  | 0.01                                 | 0.00                 |  | 0.02                         |   | 0.04                                       |                              |      |                      | uscular.system                                      |
| ).01                                      |                             |                            | 0.95                          |                                       |   | 0.07                             |                          |  | 0.03  | 0.01                                       |                              |                        | Fetal  | 0.00                                     | 0.01                        | 0.00                                     | 0.82                 | 0.00                                  | 0.00                                 | 0.02                 |  |                              |   | 0.00                                       |                              |      |                      |   |
| ).02                                      |                             | 0.90                       |                               |                                       | 0.07                                    |                                  |                          | 0.03                                   | 0.03  | 0.04                                       |                              |                        | Endocrine.system   | 0.00                                     |                             | 0.61                                     | 0.00                 | 0.00                                  | 0.01                                 |                      |  |                              |   |  |                              |      |                      | ndocrine.system                                     |
|   | 0.97                        |                            |                               |                                       |   |                                  |                          |  |   |  |                              |                        | Embryo.Stem.cells  | 0.00                                     | 0.93                        | 0.00                                     |                      |                                       |                                      |                      |  |                              |   |  |                              |      | 0 En                 | nbryo.Stem.cells                                    |
| ).94                                      | 0.00                        | 0.00                       | 0.00                          | 0.00                                  | 0.02                                    | 0.00                             | 0.01                     | 0.00                                   | 0.00  | 0.02                                       | 0.00                         | 0.00                   | Digestive.system   | 0.85                                     |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      | 0 Di                 | gestive.system                                      |
| SEURAT rejMouse Atlas mean accuracy: 0.76 |                             |                            |                               |                                       |   |                                  |                          |  |   |  |                              |                        |  |  |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      |   |
| ystem                                     | em cells                    | oyatelli<br>oyatelli       | svstem                        | 36                                    | oyotem<br>oyotem                        |                                  |                          | /stem                                  |   | Reproductive system                        | v svstem                     | =                      | 3  | yo oy oroni                              | ve system                   | Endocine system                          |                      |                                       | Immune system                        | Muscular system      | tal                                    | Nervous system               |   | Reproductive system                        | Respiratory system           |      | system               |   |
| Digestive system                          | Embryo/Stem cells           |                            | Endocrine :                   | Fetal                                 | Immuno su                               | Mediala                          | on the second            | Nervous system                         | Others                                      | eproductiv                                 | Respiratory system           | Olilial system<br>Skin | 5.<br>5.<br>2.<br>2.<br>6.<br>6.                             |  |                             |  | п :                  | Feta                                  | Immun                                |                      | Neonatal                               | Nervou                       | Others                                      | Reprod                                     | Respira                      | Skin | Urinal system        |   |
| 0.0                                       |                             |                            |                               |                                       |   |                                  |                          |  |   |  |                              | .00 0.9                | · ·  | 0.                                       |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      | Urinal system                                       |
| 0.0                                       |                             |                            |                               |                                       |   |                                  |                          |  |   |  | .00 1                        |                        | Skin   |  |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      | 0.02                 | Unassigned  |
| 0.0                                       |                             |                            |                               |                                       |   | 02 0.0                           |                          |  | .02 0                                       | .00 0                                      | .92 0                        |                        | Respiratory system   |  |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      | Respiratory system Skin                             |
| 0.0                                       |                             |                            |                               |                                       |   |                                  |                          |  |   |  |                              |                        | 00 Reproductive system                                       | n 📄                                      |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      | Reproductive system                                 |
| 0.0                                       |                             |                            | 02 0.                         |                                       |   | 03 0.0                           |                          | .00 0                                  | .92   |  | .02 0                        |                        | Others   |  |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      | Others  |
| 0.0                                       |                             |                            |                               |                                       |   |                                  |                          |  |   |  |                              |                        | 00 Nervous system  | 0.                                       |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      | Nervous system                                      |
| 0.0                                       |                             |                            |                               |                                       |   |                                  |                          |  |   |  |                              |                        | Neonatal   | 0.                                       |                             |  |                      |                                       |                                      |                      | .94 0.                                 |                              |   |  |                              |      |                      | Neonatal  |
| 0.0                                       |                             |                            |                               |                                       |   |                                  |                          |  |   |  |                              |                        |  | 0.                                       |                             |  | 01 0.                |                                       | .00 0.                               | 91 0                 |  |                              | .02 0                                       |  | .02 (                        |      |                      | Muscular system                                     |
| 0.0                                       |                             |                            |                               |                                       |   |                                  |                          |  |   |  |                              |                        |  | 0.                                       |                             |  |                      |                                       | .96 0.                               |                      |  |                              |   |  | .01 (                        |      |                      | Immune system                                       |
| 0.0                                       |                             | 00 0.                      |                               |                                       |   |                                  |                          |  |   |  |                              |                        |  | 0.                                       |                             |  |                      | .97 0                                 |                                      |                      | .01 0.                                 |                              |   |  |                              |      |                      | Fetal   |
| 0.0                                       | 1.0                         |                            |                               |                                       |   |                                  |                          |  |   |  |                              |                        | Embryo/Stem cells  |  |                             | 00 0.9                                   |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      | Endocrine system                                    |
| 0.9                                       | 3 0.0                       | 00 0.                      | 00 0.                         | 00 0.                                 | 00 0.                                   | 0.0                              | 00 0.                    | .00 0                                  | .00 0                                       | .00 0                                      | .00 0                        | .00 0.0                | Digestive system   |  |                             |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      | Digestive system  Embryo/Stem cells                 |
| 0.00                                      |                             |                            | Olive                         | Jiaw                                  | Mouse                                   | , , tt.uc                        | mica                     |  |   |  |                              |                        |  | 0  | 05 0                        |  |                      |                                       |                                      |                      |  |                              |   |  |                              |      |                      | Digostivo svotom                                    |

JIND raw Mouse Atlas mean accuracy: 0.97

JIND Mouse Atlas mean accuracy: 0.956