Table 4 The cell types that are as same as cell subtypes corresponding the selected trajectory at different time

|  |  |  |  |
| --- | --- | --- | --- |
| IVH effected area |  | Cell Name | Log-likelihood |
| Trajectory I |  | 1.Oligodendroglia | -1318.9725286562107 |
| 2. Astrocytes | -1340.1997037772805 |
| 3. Neuroglia | -1341.1958020872187 |
| 4. Neurons | -1345.5299076839065 |
| 5. Interneurons | -1358.3194329024313 |
|  | 1.Oligodendroglia | -1309.927169 |
| 2.Interneurons | -1316.39161 |
| 3.Neuroglia | -1318.449261 |
| 4.Neurons | -1323.117179 |
| 5.Pyramidal Cells | -1329.885989 |
|  | 1.Oligodendroglia | -1231.098356 |
| 2.Astrocytes | -1259.99227 |
| 3.Neuroglia | -1272.467888 |
| 4.Neurons | -1275.715889 |
| 5.Interneurons | -1299.595661 |
| Trajectory II |  | 1. Neurons | -912.27183304554 |
| 2. Astrocytes | -916.8755649679961 |
| 3. Oligodendroglia | -918.1980691474033 |
| 4. Neuroglia | -919.5898713777299 |
| 5. Interneurons | -930.6378005976385 |
|  | 1. Interneurons | -786.4874100360087 |
| 2. Neurons | -794.5806575259817 |
| 3. Pyramidal Cells | -799.5713286291804 |
| 4. Neuroglia | -801.9081663578651 |
| 5. Astrocytes | -808.7414887344179 |
|  | 1. Neurons | -925.7158995734097 |
| 2. Astrocytes | -931.7496505192129 |
| 3. Oligodendroglia | -938.9117414068332 |
| 4. Neuroglia | -942.9960234744423 |
| 5. Purkinje Cells | -947.8135855845967 |
| Trajectory III |  | 1. Neuroglia | -989.6629191053432 |
| 2. Neurons | -990.5632651679368 |
| 3. Astrocytes | -994.4143744838437 |
| 4. Oligodendroglia | -1000.6908306521655 |
| 5. Interneurons | -1014.2194593250698 |
|  | 1.Astrocytes | -954.0834444 |
| 2.Neurons | -958.6646035 |
| 3.Oligodendroglia | -964.7039844 |
| 4.Neuroglia | -964.9663315 |
| 5.Interneurons | -986.6480914 |
|  | 1.Neurons | -991.3946544 |
| 2.Neuroglia | -1010.86913 |
| 3.Astrocytes | -1011.254751 |
| 4.Interneurons | -1012.862514 |
| 5.Oligodendroglia | -1018.216909 |
|  | 1.Neurons | -1001.889711 |
| 2.Neuroglia | -1002.18434 |
| 3.Oligodendroglia | -1009.359713 |
| 4.Interneurons | -1015.921001 |
| 5.Astrocytes | -1016.223028 |