**Supplementary Table 1**

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| **Primary Antibodies** |
| **Target** | **Host** | **Dilution** | **Source** | **Reference** |
| Bassoon | Mouse | 1/200 | abcam | Abcam Cat# ab82958, RRID:AB\_1860018 |
| CD31 | Rabbit | 1/800 | Abcam | Abcam Cat# ab124432, RRID:AB\_2802125 |
| CtiP2 | Rat | 1/200 | abcam | Abcam Cat# ab18465, RRID:AB\_2064130 |
| CUX1 | Mouse | 1/500 | abcam | Abcam Cat# ab54583, RRID:AB\_941209 |
| GAD65/67 | Rabbit | 1/1000 | Sigma-Aldrich | Sigma-Aldrich Cat# G5163, RRID:AB\_477019 |
| GFAP | Rabbit | 1/400 | Abcam | Abcam Cat# ab7260, RRID:AB\_305808 |
| GFP | Rabbit | 1/750 | Invitrogen | Thermo Fisher Scientific Cat# A-6455,RRID:AB\_221570 |
| GFP | Chicken | 1/1000 | Abcam | Abcam Cat# ab13970, RRID:AB\_300798 |
| Homer | Rabbit | 1/500 | Synaptic systems | Synaptic Systems Cat# 160 003, RRID:AB\_887730 |
| Iba1 | Rabbit | 1/1000 | Wako | FUJIFILM Wako Shibayagi Cat# 019-19741,RRID:AB\_839504 |
| MBP | Chicken | 1/100 | Millipore | Millipore Cat# AB9348, RRID:AB\_11213157 |
| NeuN | Mouse | 1/200 | Millipore | Millipore Cat# MAB377, RRID:AB\_2298772 |
| Olig2 | Rabbit | 1/1000 | Abcam | Abcam Cat# ab109186, RRID:AB\_10861310 |
| Sox2 | Rat | 1/200 | eBioscience | Thermo Fisher Scientific Cat# 14-9811-82,RRID:AB\_11219471 |
| STEM101 | Mouse | 1/100 | Takara Bio | Takara Bio Cat# Y40400, RRID:AB\_2895096 |