Table S2. After normalization to *Aldh1l1*, a highly specific astrocyte marker to control for the cellular composition, PSD genes in deep layers still show higher expression levels compared to upper layers.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Normalized expression | Standard deviation | Expression of *Aldh1l1*  |
| Layer 2/3  | 2.15 | 0.12 | 24.65 |
| Layer 4A  | 1.80 | 0.09 | 32.67 |
| Layer 4B  | 2.48 | 0.12 | 22.45 |
| Layer 5C  | 2.45 | 0.12 | 26.58 |
| Layer 5D  | 3.24 | 0.16 | 20.46 |
| Layer 6  | 3.91 | 0.21 | 17.56 |
| Layer 6b  | 3.65 | 0.32 | 20.98 |