**Supplementary Table 1: Summary of RNAseq reads for NE- and KCl-derived large neurospheres obtained from 4 biological replicates.**

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| --- | --- | --- | --- |
| Sample ID | Total Reads (In million) | Mapped reads (In million) | % Mapping |
| KL\_1 | 236.26 | 207.24 | 87.72 |
| NL\_1 | 172.43 | 149.77 | 86.86 |
| KL\_2 | 54.88 | 43.97 | 80.13 |
| NL\_2 | 46.37 | 39.62 | 85.46 |
| KL\_3 | 61.13 | 54.32 | 88.85 |
| NL\_3 | 36.94 | 33.93 | 91.85 |
| KL\_4 | 54.55 | 50.28 | 92.16 |
| NL\_4 | 45.98 | 42.74 | 92.96 |

KL: KCl-activated large neurospheres

NL: NE-activated large neurospheres