**Supplementary Table 3 : Statistically enriched Gene Ontology terms in the differentially expressed genes between progeny derived from activating NE- versus KCl-responsive precursor cells**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **GO term** | **Number of DE genes** | ***P*-value** | **FDR** | **GO annotation** | **Classification** |
| GO:0005509 | 33 | 2.48E-07 | 0.000507938 | calcium ion binding | molecular\_function |
| GO:0005578 | 16 | 9.92E-07 | 0.001014662 | proteinaceous extracellular matrix | cellular\_component |
| GO:0007155 | 21 | 2.33E-06 | 0.001586435 | cell adhesion | biological\_process |
| GO:0005178 | 9 | 2.98E-06 | 0.001525398 | integrin binding | molecular\_function |
| GO:0060710 | 4 | 5.82E-06 | 0.002379782 | chorio-allantoic fusion | biological\_process |
| GO:0030054 | 21 | 5.83E-06 | 0.001986669 | cell junction | cellular\_component |
| GO:0005604 | 10 | 6.05E-06 | 0.001768644 | basement membrane | cellular\_component |
| GO:0001525 | 15 | 1.12E-05 | 0.002870286 | angiogenesis | biological\_process |
| GO:0006874 | 8 | 4.74E-05 | 0.01078023 | cellular calcium ion homeostasis | biological\_process |
| GO:0007411 | 10 | 5.54E-05 | 0.011330159 | axon guidance | biological\_process |
| GO:0007628 | 6 | 5.94E-05 | 0.011038875 | adult walking behavior | biological\_process |
| GO:0007229 | 8 | 5.94E-05 | 0.010124226 | integrin-mediated signaling pathway | biological\_process |
| GO:0005576 | 37 | 6.24E-05 | 0.009816875 | extracellular region | cellular\_component |
| GO:0005615 | 31 | 0.000110675 | 0.016166387 | extracellular space | cellular\_component |
| GO:0030425 | 13 | 0.000127224 | 0.017344898 | dendrite | cellular\_component |
| GO:0003779 | 16 | 0.000154753 | 0.019779384 | actin binding | molecular\_function |
| GO:0008305 | 5 | 0.000236085 | 0.028399598 | integrin complex | cellular\_component |
| GO:0005539 | 4 | 0.000261263 | 0.029682434 | glycosaminoglycan binding | molecular\_function |
| GO:0045211 | 12 | 0.00030401 | 0.032721098 | postsynaptic membrane | cellular\_component |
| GO:0005543 | 16 | 0.000308414 | 0.031535351 | phospholipid binding | molecular\_function |
| GO:0045786 | 5 | 0.000330986 | 0.032231746 | negative regulation of cell cycle | biological\_process |
| GO:0008360 | 8 | 0.000384608 | 0.035751016 | regulation of cell shape | biological\_process |
| GO:0021681 | 2 | 0.000420007 | 0.037344127 | cerebellar granular layer development | biological\_process |
| GO:0072061 | 2 | 0.000420007 | 0.035788122 | inner medullary collecting duct development | biological\_process |
| GO:0007159 | 4 | 0.000425223 | 0.034783279 | leukocyte cell-cell adhesion | biological\_process |
| GO:0044548 | 3 | 0.00044469 | 0.034976614 | S100 protein binding | molecular\_function |
| GO:0030424 | 11 | 0.000650529 | 0.049271564 | axon | cellular\_component |
| GO:0002021 | 3 | 0.000656899 | 0.047977099 | response to dietary excess | biological\_process |