Supplemental Table 1: Full list of biological pathways associated with intervention status

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| Gene Ontology biological process  | Fold Enrichment | *p* value |
| biological regulation (GO:0065007) | 1.22 | 6.93E-09 |
| single-organism cellular process (GO:0044763) | 1.25 | 9.24E-08 |
| developmental process (GO:0032502) | 1.4 | 2.16E-07 |
| single-organism developmental process (GO:0044767) | 1.41 | 2.58E-07 |
| biological\_process (GO:0008150) | 1.1 | 2.90E-07 |
| cellular process (GO:0009987) | 1.14 | 3.69E-07 |
| single-organism process (GO:0044699) | 1.18 | 4.76E-07 |
| regulation of cellular process (GO:0050794) | 1.22 | 9.43E-07 |
| single-multicellular organism process (GO:0044707) | 1.39 | 9.72E-07 |
| anatomical structure morphogenesis (GO:0009653) | 1.76 | 1.20E-06 |
| regulation of biological process (GO:0050789) | 1.2 | 2.21E-06 |
| multicellular organism development (GO:0007275) | 1.41 | 4.20E-06 |
| system development (GO:0048731) | 1.45 | 6.49E-06 |
| anatomical structure development (GO:0048856) | 1.39 | 7.75E-06 |
| negative regulation of cellular process (GO:0048523) | 1.43 | 8.64E-06 |
| negative regulation of biological process (GO:0048519) | 1.4 | 1.27E-05 |
| nervous system development (GO:0007399) | 1.63 | 6.31E-05 |
| animal organ development (GO:0048513) | 1.52 | 7.26E-05 |
| regulation of cell adhesion (GO:0030155) | 2.26 | 1.21E-04 |
| regulation of response to stimulus (GO:0048583) | 1.44 | 1.21E-04 |
| regulation of signaling (GO:0023051) | 1.49 | 1.74E-04 |
| multicellular organismal process (GO:0032501) | 1.29 | 2.00E-04 |
| cellular developmental process (GO:0048869) | 1.44 | 2.82E-04 |
| movement of cell or subcellular component (GO:0006928) | 1.77 | 3.98E-04 |
| regulation of cell communication (GO:0010646) | 1.47 | 6.29E-04 |
| cell differentiation (GO:0030154) | 1.44 | 6.42E-04 |
| negative regulation of response to stimulus (GO:0048585) | 1.76 | 6.75E-04 |
| neuron differentiation (GO:0030182) | 1.96 | 8.68E-04 |
| negative regulation of cellular metabolic process (GO:0031324) | 1.54 | 9.50E-04 |
| neurogenesis (GO:0022008) | 1.72 | 9.66E-04 |
| negative regulation of nitrogen compound metabolic process (GO:0051172) | 1.56 | 1.31E-03 |
| negative regulation of metabolic process (GO:0009892) | 1.49 | 1.44E-03 |
| locomotion (GO:0040011) | 1.82 | 1.45E-03 |
| generation of neurons (GO:0048699) | 1.73 | 1.84E-03 |
| regulation of multicellular organismal process (GO:0051239) | 1.49 | 2.05E-03 |
| positive regulation of developmental process (GO:0051094) | 1.79 | 2.48E-03 |
| negative regulation of cell communication (GO:0010648) | 1.78 | 2.62E-03 |
| negative regulation of signaling (GO:0023057) | 1.77 | 2.99E-03 |
| negative regulation of macromolecule metabolic process (GO:0010605) | 1.5 | 3.32E-03 |
| regulation of metabolic process (GO:0019222) | 1.27 | 3.81E-03 |
| positive regulation of biological process (GO:0048518) | 1.3 | 3.99E-03 |
| regulation of signal transduction (GO:0009966) | 1.47 | 4.26E-03 |
| animal organ morphogenesis (GO:0009887) | 1.92 | 4.95E-03 |
| localization of cell (GO:0051674) | 1.88 | 5.98E-03 |
| cell motility (GO:0048870) | 1.88 | 5.98E-03 |
| cellular component organization (GO:0016043) | 1.3 | 6.74E-03 |
| regulation of cellular metabolic process (GO:0031323) | 1.27 | 6.76E-03 |
| negative regulation of signal transduction (GO:0009968) | 1.78 | 8.84E-03 |
| regulation of localization (GO:0032879) | 1.48 | 8.94E-03 |
| cellular component organization or biogenesis (GO:0071840) | 1.29 | 1.03E-02 |
| cell development (GO:0048468) | 1.66 | 1.05E-02 |
| negative regulation of nucleobase-containing compound metabolic process (GO:0045934) | 1.68 | 1.09E-02 |
| positive regulation of cellular process (GO:0048522) | 1.31 | 1.11E-02 |
| regulation of cell-substrate adhesion (GO:0010810) | 3.24 | 1.27E-02 |
| regulation of macromolecule metabolic process (GO:0060255) | 1.27 | 1.30E-02 |
| cell migration (GO:0016477) | 1.87 | 2.36E-02 |
| regulation of developmental process (GO:0050793) | 1.48 | 2.79E-02 |
| neuron development (GO:0048666) | 1.94 | 2.81E-02 |
| regulation of nitrogen compound metabolic process (GO:0051171) | 1.26 | 3.36E-02 |
| positive regulation of metabolic process (GO:0009893) | 1.39 | 4.36E-02 |
| embryonic morphogenesis (GO:0048598) | 2.07 | 4.96E-02 |