

Table 3: Key diseases and functions modified with exposure to sequential chorioamnionitis and hyperoxia in newborns

Modified Disease and Functions	Number of Genes Involved	Range of p-value for genes involved
Organismal Injury and Abnormalities	1513	1.03E-43-2.43E-03
Cell Death and Survival	494	5.52E-14-2.43E-03
Infectious Diseases	358	3.34E-13-2.34E-03
Cellular Development	460	3.92E-13-2.34E-03
Cellular Growth and Proliferation	459	3.92E-13-2.25E-03
Immunological Disease	656	4.26E-13-2.34E-03
Inflammatory Disease	335	4.26E-13-2.34E-03
Cellular Function and Maintenance	478	1.28E-11-2.36E-03
Inflammatory Response	329	1.28E-11-2.34E-03
Cell-To-Cell Signaling and Interaction	270	2.86E-11-2.18E-03
Gene Expression	284	3.16E-11-2.35E-04
Neurological Disease	1057	4.14E-10-2.34E-03
Immune Cell Trafficking	78	4.94E-08-2.04E-03
Developmental Disorder	279	5.98E-08-2.15E-03
Cardiovascular System Development and Function	110	7.45E-07-2.18E-03
Respiratory Disease	474	8.15E-05-1.38E-03
Cell Signaling	147	1.11E-04-2.28E-03
Nervous System Development and Function	9	7.01E-04-7.01E-04
Cell-mediated Immune Response	21	7.54E-04-7.54E-04