

Table 6 IPA analysis of Control-specific genes

<i>TOP NETWORKS ASSOCIATED NETWORKS FUNCTIONS</i>						Score
1	Cancer, Cellular Movement, Cell-To-Cell Signaling					10
2	Vitamin and Mineral Metabolism, Carbohydrate metabolism, Cell Signalling					3
3	Cancer, Cell Morphology, Cell-To-Cell Signaling					3
4	Cellular Development, Immunological Disease, Cell Cycle					3
<i>DISEASES AND DISORDERS</i>						#Molecules
	Lower		Upper		Threshold	
	p value	-.log (p-value)	p value	-.log (p-value)	-.log (p-value)	
Genetic Disorder	1.17E-03	2.93	1.10E-02	1.96	1.35	1
Hematological Disease	1.17E-03	2.93	9.30E-02	1.03	1.35	2
Immunological Disease	1.17E-03	2.93	3.50E-03	2.46	1.35	1
Renal and Urological Disease	1.17E-03	2.93	1.40E-02	1.85	1.35	2
Skeletal and Muscular Disorders	2.34E-03	2.63	8.10E-03	2.09	1.35	1
<i>MOLECULAR AND CELLULAR FUNCTIONS</i>						#Molecules
	Lower		Upper		Threshold	
	p value	-.log (p-value)	p value	-.log (p-value)	-.log (p-value)	
Cell Morphology	5.86E-04	3.23	3.40E-02	1.47	1.35	3
Amino Acid Metabolism	1.11E-03	2.95	1.10E-04	3.96	1.35	2
Cell Death	1.17E-03	2.93	1.90E-03	2.72	1.35	2
Cell-To-Cell Signaling	1.17E-03	2.93	3.80E-02	1.42	1.35	1
Cellular Assembly and Organization	1.17E-03	2.93	2.60E-02	1.59	1.35	1
<i>PHYSIOLOGYCAL SYSTEM DEVELOPMENT AND FUNCTION</i>						#Molecules
	Lower		Upper		Threshold	
	p value	-.log (p-value)	p value	-.log (p-value)	-.log (p-value)	
Nervous System and Development and Function	5.86E-04	3.23	3.60E-03	2.44	1.35	2
Reproductive System Development and Function	5.86E-04	3.23	4.60E-02	1.34	1.35	3
Tissue Morphology	5.86E-04	3.23	3.90E-02	1.41	1.35	3
Hematological System Development and Function	1.17E-03	2.93	4.70E-02	1.33	1.35	2
Immune Response	1.17E-03	2.93	4.70E-02	1.33	1.35	2
<i>TOP CANONICAL PATHWAYS</i>						Ratio
			p value	-.log (p-value)		
Glutathione Metabolism			1.11E-03	2.95	2/102 (0.2)	
NRF2-mediated Oxidative Stress			2.58E-03	2.59	2/142 (0.014)	
Aryl Hydrocarbon Receptor Signalling			2.58E-03	2.59	2/147 (0.014)	
LPS/IL-1 Mediated Inhibition of RXR Function			4.07E-03	2.39	2/170 (0.012)	
Metabolism of Xenobiotics by Cytochrome P450			6.46E-03	2.19	2/213 (0.009)	
<i>Top Tox List</i>						Ratio
			p value	-.log (p-value)		
Oxidative Stress			4.79E-04	3.32	2/57 (0.035)	
Xenobiotic Metabolism			2.42E-03	2.62	2/129 (0.016)	
Mitochondrial Dysfunction			4.37E-02	1.36	1/76 (0.013)	