

### SUPPLEMENTAL TABLE 3:

KEGG pathways enriched in the 7063 genes regulated in <sup>131</sup>I-treated hESCs

Term	Count	%	P-Value	Benjamini
FOCAL ADHESION	91	1.8	1.30E-07	2.50E-05
ECM-RECEPTOR INTERACTION	40	0.8	3.00E-04	2.90E-02
COMPLEMENT AND COAGULATION CASCADES	31	0.6	8.90E-04	5.60E-02
CYANOAMINO ACID METABOLISM	8	0.2	1.60E-03	7.30E-02
CELL CYCLE	44	0.9	2.20E-03	8.20E-02
WNT SIGNALING PATHWAY	55	1.1	3.30E-03	1.00E-01
SELENOAMINO ACID METABOLISM	17	0.3	7.80E-03	2.00E-01
AMYOTROPHIC LATERAL SCLEROSIS (ALS)	10	0.2	1.50E-02	3.00E-01
CELL COMMUNICATION	44	0.9	1.70E-02	3.10E-01
GLUTATHIONE METABOLISM	18	0.4	3.10E-02	4.60E-01
PURINE METABOLISM	53	1.1	3.30E-02	4.40E-01
REGULATION OF ACTIN CYTOSKELETON	67	1.4	3.90E-02	4.70E-01
ARGININE AND PROLINE METABOLISM	22	0.4	4.00E-02	4.60E-01
INOSITOL PHOSPHATE METABOLISM	26	0.5	5.40E-02	5.40E-01
HEDGEHOG SIGNALING PATHWAY	20	0.4	7.60E-02	6.40E-01
NOTCH SIGNALING PATHWAY	18	0.4	8.50E-02	6.60E-01