

## SUPPLEMENTAL TABLE 4:

Enriched KEGG pathway annotations among the 5544 transcripts upregulated in hESCs upon <sup>125</sup>I-dU incorporation

Term	Count	%	P-Value	Benjamini
<b>ECM-RECEPTOR INTERACTION</b>	<b>44</b>	<b>1.1</b>	<b>1.00E-07</b>	<b>2.00E-05</b>
COMPLEMENT AND COAGULATION CASCADES	34	0.9	1.70E-06	1.60E-04
<b>FOCAL ADHESION</b>	<b>76</b>	<b>1.9</b>	<b>9.80E-06</b>	<b>6.30E-04</b>
<b>CELL CYCLE</b>	<b>43</b>	<b>1.1</b>	<b>1.50E-04</b>	<b>7.50E-03</b>
CELL COMMUNICATION	46	1.2	2.10E-04	8.30E-03
CYTOKINE-CYTOKINE RECEPTOR INTERACTION	81	2.1	2.70E-04	8.70E-03
TGF-BETA SIGNALING PATHWAY	33	0.8	9.00E-04	2.50E-02
MAPK SIGNALING PATHWAY	78	2	1.20E-02	2.50E-01
ANDROGEN AND ESTROGEN METABOLISM	20	0.5	1.80E-02	3.30E-01
<b>WNT SIGNALING PATHWAY</b>	<b>44</b>	<b>1.1</b>	<b>3.60E-02</b>	<b>5.10E-01</b>
LYSINE DEGRADATION	21	0.5	4.70E-02	5.70E-01
METABOLISM OF XENOBIOTICS BY CYTOCHROME P450	23	0.6	5.00E-02	5.60E-01
REGULATION OF ACTIN CYTOSKELETON	57	1.5	7.10E-02	6.70E-01
ADIPOCYTOKINE SIGNALING PATHWAY	22	0.6	8.40E-02	7.10E-01
HISTIDINE METABOLISM	17	0.4	9.10E-02	7.10E-01