

SUPPLEMENTAL TABLE 5:

Enriched functional annotations (GO BP level 3) among the 4040 transcripts regulated in HaCaT cells upon ¹²⁵I-dU incorporation

Term	Count	%	P-Value	Benjamini
cell organization and biogenesis	286	9.5	1.90E-09	5.00E-07
primary metabolism	1141	37.9	4.40E-07	5.90E-05
cell cycle	143	4.8	1.10E-06	9.60E-05
cellular metabolism	1169	38.9	3.20E-06	2.20E-04
regulation of cellular physiological process	536	17.8	4.10E-06	2.20E-04
cell death	117	3.9	7.90E-06	3.50E-04
negative regulation of cellular process	138	4.6	8.70E-06	3.30E-04
negative regulation of physiological process	130	4.3	1.30E-05	4.30E-04
response to chemical stimulus	83	2.8	3.10E-05	9.30E-04
protein localization	114	3.8	1.10E-04	2.90E-03
regulation of hydrolase activity	23	0.8	2.90E-04	7.10E-03
positive regulation of cellular process	102	3.4	3.50E-04	7.90E-03
macromolecule metabolism	709	23.6	3.80E-04	7.90E-03
cell proliferation	99	3.3	1.30E-03	2.40E-02
localization of cell	49	1.6	2.70E-03	4.70E-02
cell motility	49	1.6	2.70E-03	4.70E-02
positive regulation of physiological process	86	2.9	3.40E-03	5.20E-02
locomotory behavior	30	1	4.10E-03	5.90E-02
taxis	29	1	4.50E-03	6.10E-02
cell growth	34	1.1	5.90E-03	7.70E-02
cellular localization	106	3.5	7.30E-03	8.90E-02
positive regulation of enzyme activity	25	0.8	1.00E-02	1.20E-01
regulation of signal transduction	44	1.5	1.20E-02	1.30E-01
ectoderm development	22	0.7	1.20E-02	1.30E-01
regulation of transferase activity	29	1	1.40E-02	1.40E-01
regulation of cell growth	26	0.9	1.90E-02	1.80E-01
response to unfolded protein	17	0.6	2.10E-02	1.90E-01
cell-substrate adhesion	16	0.5	2.30E-02	2.00E-01
response to pest, pathogen or parasite	94	3.1	2.50E-02	2.10E-01
vasculature development	17	0.6	2.70E-02	2.20E-01
cellular morphogenesis	49	1.6	3.80E-02	2.90E-01
maintenance of localization	9	0.3	4.00E-02	2.90E-01
regulation of metabolism	375	12.5	4.00E-02	2.80E-01
endothelial cell differentiation	4	0.1	5.60E-02	3.60E-01
organ morphogenesis	39	1.3	5.60E-02	3.60E-01
response to DNA damage stimulus	45	1.5	6.00E-02	3.70E-01
muscle contraction	28	0.9	6.20E-02	3.70E-01
nervous system development	77	2.6	6.40E-02	3.70E-01
neuron differentiation	20	0.7	7.20E-02	4.00E-01
catabolism	100	3.3	7.20E-02	4.00E-01
response to other organism	95	3.2	7.30E-02	3.90E-01
signal transduction	462	15.4	7.40E-02	3.90E-01
appendage morphogenesis	4	0.1	8.00E-02	4.10E-01
anatomical structure formation	4	0.1	8.00E-02	4.10E-01
regulation of body fluids	21	0.7	8.90E-02	4.20E-01
regulation of organismal physiological process	27	0.9	8.90E-02	4.20E-01
response to wounding	64	2.1	9.90E-02	4.50E-01