Expression			All Methylation Intersect Expression			Promoter level Methylation*Expression		
Process	p.value	q.value	Process	p.value	q.value	Process	p.value	q.value
cell fate specification	5.3 e -8	4.9 e -4	negative regulation of nitrogen compound metabolic process	1.3 e -7	1.1 e -3	negative regulation of mitosis	7.0 e-4	1.0
stem cell maintenance	5.1 e -7	2.3 e -3	negative regulation of nucleobase-containing compound metabolic process	1.4 e -7	5.5 e -4	negative regulation of nuclear division	7.0 e -4	1.0
transcription, DNA-templated	7.3 e -7	2.2 e -3	cell fate specification	1.1 e -6	3.0 e -3	pyridine nucleotide biosynthetic process	9.6 e -4	1.0
All Methylation			**Intersect of All**			**Gene Average level Methylation*Expression**		
Process	p.value	q.value	Process	p.value	q.value	Process	p.value	q.value
regulation of keratinocyte migration	3.7 e -4	1.0	response to osmotic stress	1.4 e -4	7.5 e -1	positive regulation of catenin import into nucleus	6.5 e -5	4.9 e -1
positive regulation of keritinocyte migration	3.7e -4	1.0	positive regulation of interleukin-8 production	2.8 e -4	7.3 e -1	negative regulation of cellular macromolecule biosynthetic process	1.4 e -4	5.4 e -1
negative regulation of interleukin-8 biosynthetic process	4.1 e -4	1.0	regulation of interleukin-8 production	5.3 e -4	9.3 e -1	negative regulation of macromolecule biosynthetic process	2.4 e -4	6.1 e -1