

# An epigenetic switch ensures transposon repression up methylation in embryonic stem cells

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Citation Report

#	ARTICLE	IF	CITATIONS
1	pRB Takes an EZ Path to a Repetitive Task. <i>Molecular Cell</i> , 2016, 64, 1015-1017.	4.5	2
2	Polycomb repressive complex 1 provides a molecular explanation for repeat copy number dependency in FSHD muscular dystrophy. <i>Human Molecular Genetics</i> , 2017, 26, ddx426.	1.4	3
3	MERVL/Zscan4 Network Activation Results in Transient Genome-wide DNA Demethylation of mESCs. <i>Cell Reports</i> , 2016, 17, 179-192.	2.9	174
4	Specification and epigenetic programming of the human germ line. <i>Nature Reviews Genetics</i> , 2016, 17, 585-600.	7.7	352
5	DNA (De)Methylation: The Passive Route to Naïveté?. <i>Trends in Genetics</i> , 2016, 32, 592-595.	2.9	5
6	An RB-EZH2 Complex Mediates Silencing of Repetitive DNA Sequences. <i>Molecular Cell</i> , 2016, 64, 1074-1087.	4.5	128
7	The DNA methyltransferase DNMT3C protects male germ cells from transposon activity. <i>Science</i> , 2016, 354, 909-912.	6.0	267
8	Impairment of DNA Methylation Maintenance Is the Main Cause of Global Demethylation in Naive Embryonic Stem Cells. <i>Molecular Cell</i> , 2016, 62, 848-861.	4.5	189
9	Retrotransposons and the Mammalian Germline. , 2017, , 1-28.		1
10	Dynamics and Context-Dependent Roles of DNA Methylation. <i>Journal of Molecular Biology</i> , 2017, 429, 1459-1475.	2.0	126
11	PRC2 is required for extensive reorganization of H3K27me3 during epigenetic reprogramming in mouse fetal germ cells. <i>Epigenetics and Chromatin</i> , 2017, 10, 7.	1.8	25
12	DNA methylation homeostasis in human and mouse development. <i>Current Opinion in Genetics and Development</i> , 2017, 43, 101-109.	1.5	99
13	Polycomb Group Systems in Fungi: New Models for Understanding Polycomb Repressive Complex 2. <i>Trends in Genetics</i> , 2017, 33, 220-231.	2.9	32
14	Reprogramming towards totipotency is greatly facilitated by synergistic effects of small molecules. <i>Biology Open</i> , 2017, 6, 415-424.	0.6	39
15	DUX-family transcription factors regulate zygotic genome activation in placental mammals. <i>Nature Genetics</i> , 2017, 49, 941-945.	9.4	448
16	Gene body <scp>DNA</scp> methylation conspires with H3K36me3 to preclude aberrant transcription. <i>EMBO Journal</i> , 2017, 36, 1471-1473.	3.5	67
17	Activation of Lineage Regulators and Transposable Elements across a Pluripotent Spectrum. <i>Stem Cell Reports</i> , 2017, 8, 1645-1658.	2.3	58
18	Capturing Human Naïve Pluripotency in the Embryo and in the Dish. <i>Stem Cells and Development</i> , 2017, 26, 1141-1161.	1.1	29

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19	The Epigenetic Paradox of Pluripotent ES Cells. <i>Journal of Molecular Biology</i> , 2017, 429, 1476-1503.	2.0	35
20	An endosRNA-Based Repression Mechanism Counteracts Transposon Activation during Global DNA Demethylation in Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2017, 21, 694-703.e7.	5.2	65
21	Rif1 promotes a repressive chromatin state to safeguard against endogenous retrovirus activation. <i>Nucleic Acids Research</i> , 2017, 45, 12723-12738.	6.5	49
22	Epigenetic resetting of human pluripotency. <i>Development (Cambridge)</i> , 2017, 144, 2748-2763.	1.2	225
23	Secrets from immortal worms: What can we learn about biological ageing from the planarian model system?. <i>Seminars in Cell and Developmental Biology</i> , 2017, 70, 108-121.	2.3	35
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41	Two are better than one: HPoxBS - hairpin oxidative bisulfite sequencing. <i>Nucleic Acids Research</i> , 2018, 46, e88-e88.	6.5	9
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53	Repressive Epigenetic Signatures Safeguard the Liver. <i>Developmental Cell</i> , 2019, 50, 3-4.	3.1	2
54	LINE-1 Evasion of Epigenetic Repression in Humans. <i>Molecular Cell</i> , 2019, 75, 590-604.e12.	4.5	106

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86	Epigenetic Switchâ€“Induced Viral Mimicry Evasion in Chemotherapy-Resistant Breast Cancer. <i>Cancer Discovery</i> , 2020, 10, 1312-1329.	7.7	84
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194	Retrotransposon instability dominates the acquired mutation landscape of mouse induced pluripotent stem cells. <i>Nature Communications</i> , 2022, 13, .	5.8	7
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196	Evidence that direct inhibition of transcription factor binding is the prevailing mode of gene and repeat repression by DNA methylation. <i>Nature Genetics</i> , 2022, 54, 1895-1906.	9.4	39
198	Dynamic antagonism between key repressive pathways maintains the placental epigenome. <i>Nature Cell Biology</i> , 2023, 25, 579-591.	4.6	2
199	<scp>RNA</scp>-mediated heterochromatin formation at repetitive elements in mammals. <i>EMBO Journal</i> , 2023, 42, .	3.5	2
200	Essential role of an ERV-derived Env38 protein in adaptive humoral immunity against an exogenous SVCV infection in a zebrafish model. <i>PLoS Pathogens</i> , 2023, 19, e1011222.	2.1	5
224	Transposable Elements: Emerging Therapeutic Targets in Neurodegenerative Diseases. <i>Neurotoxicity Research</i> , 2024, 42, .	1.3	0