

## Supplementary Information

### Epigenetic Toxicity of Trichloroethylene: A Single-Molecule Perspective

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Supplementary Figures and Tables

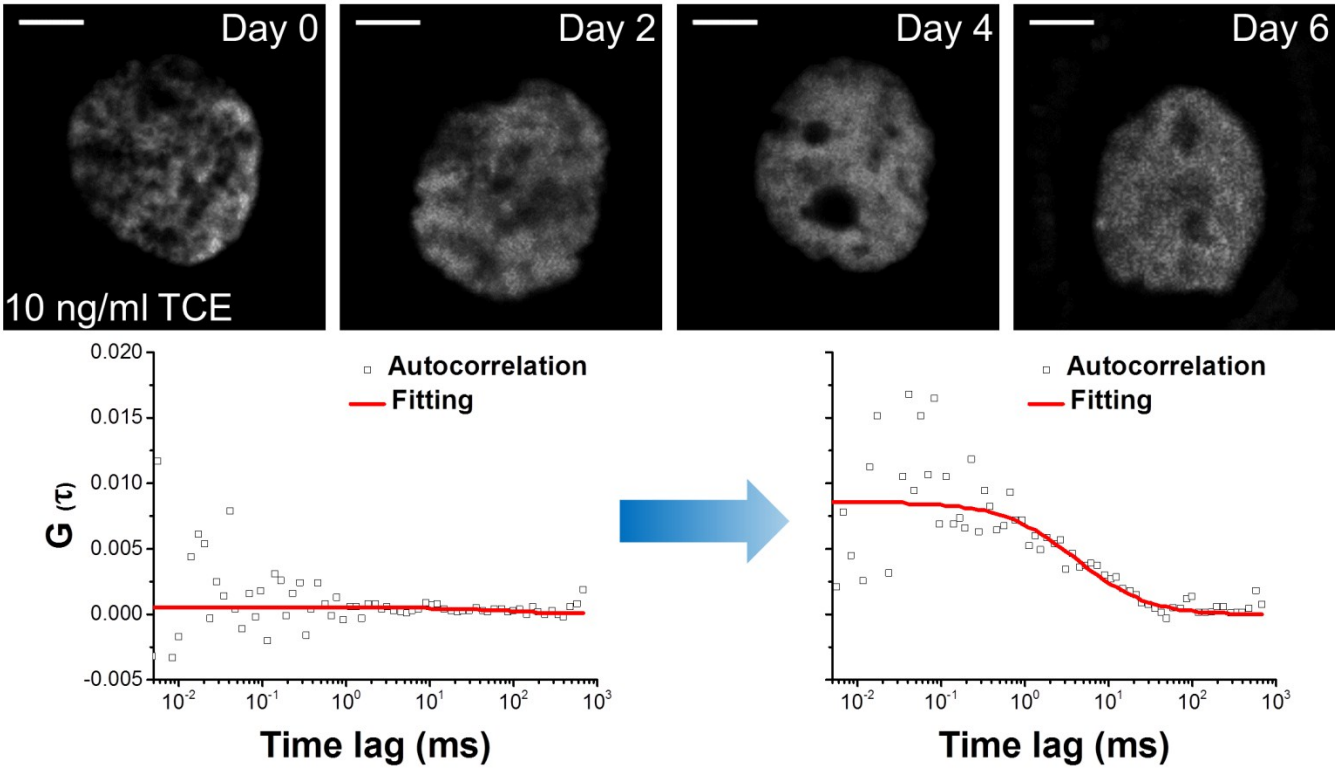


Figure S1 Redistribution and detachment of Dnmt3a-EGFP under a low-dosage, chronic TCE exposure.

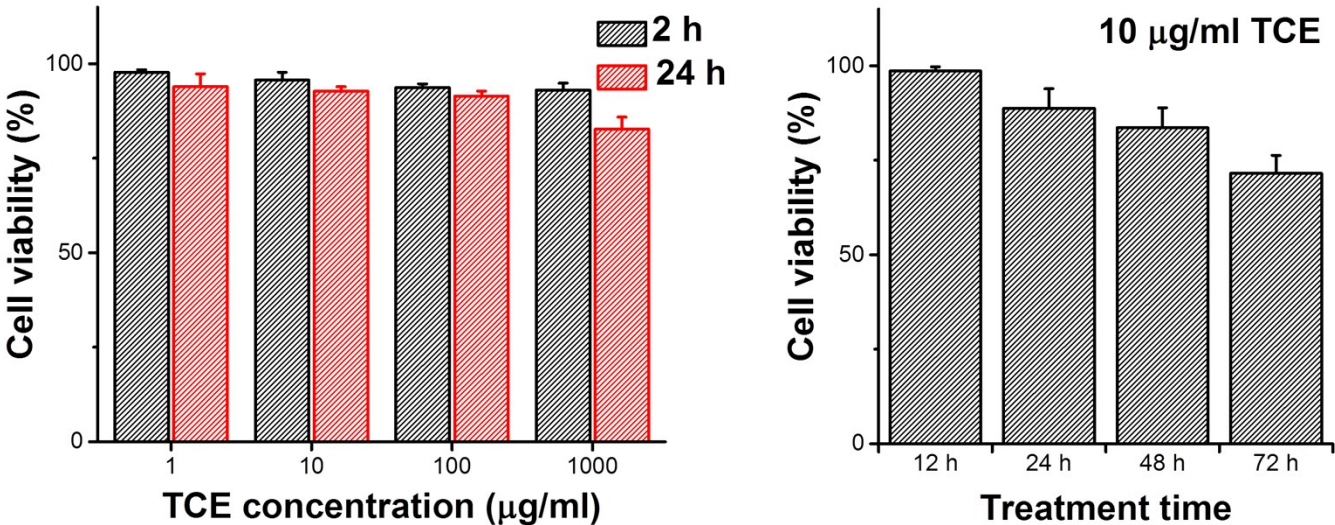


Figure S2 HeLa cell viability upon exposure to TCE (results from MTT assay, n = 8).

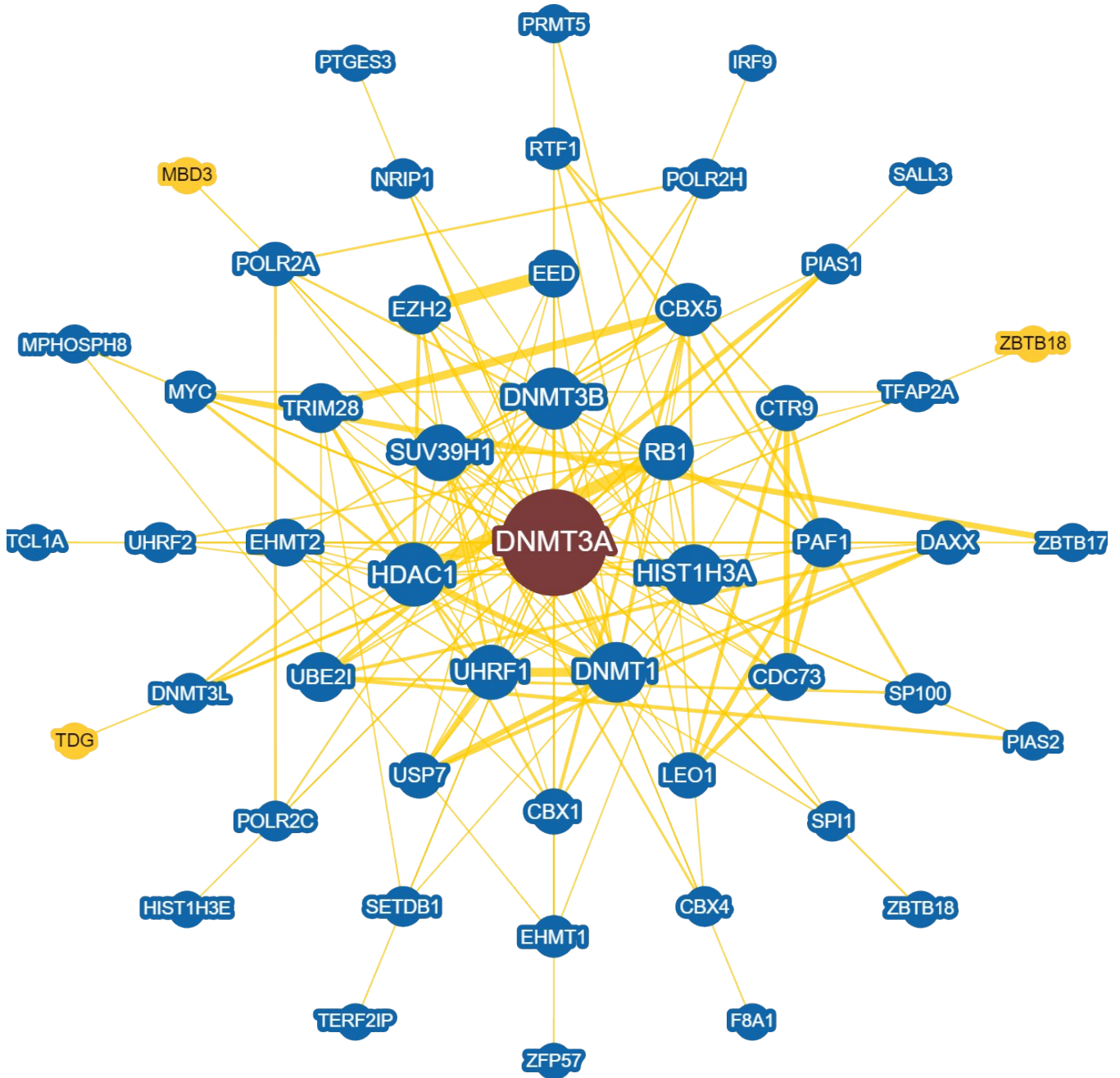


Figure S3 Proteins associated with Dnmt3a (data retrieved from <http://thebiogrid.org/>).

	Concentration	Exp. Time	Assay Performed	Results Info.
HEK293 cells: chronic, low- concentration	10 ng/ml	0-5 weeks	global methylation	Figure 1
	10 ng/ml	5 weeks	promoter methylation of cancer miRNAs	Figure 7
HeLa cells: acute, high- concentration	1 µg/ml – 1000 µg/ml	24 hours	global methylation	Figure 2c
	10 µg/ml	0-72 hours	global methylation	Figure 2d
	10 µg/ml	72 hours	qRT-PCR for Dnmt and Tet transcripts	Figure 6
	1 µg/ml – 1000 µg/ml	2 hours	confocal imaging for Dnmt3a-EGFP	Figure 3
	1 µg/ml – 1000 µg/ml	2 hours	FCS for Dnmt3a-EGFP	Figure 5, Table 3

Table S1 Design of this study.