

Table SI. Quantitative analysis of FRA1 expression in MRL/lpr and control mice

Assay	Group	n	Mean ± SD	Cohen's d	t (df=4)	P value (equal variance)	P value (Welch)	P value (Mann-Whitney)	Post hoc power ($\alpha=0.05$)
IHC (% area)	Control	3	0.0207±0.0048	7.08	8.68	9.7x10 ⁻⁴	0.0079	0.10	>99.9%
IHC (% area)	MRL/lpr	3	0.1069±0.0165	7.08	8.68	9.7x10 ⁻⁴	0.0079	0.10	>99.9%
Western blotting (gray value)	Control	3	0.1280±0.0240	7.88	9.65	6.5x10 ⁻⁴	0.0025	0.10	>99.9%
Western blotting (gray value)	MRL/lpr	3	0.4233±0.0473	7.88	9.65	6.5x10 ⁻⁴	0.0025	0.10	>99.9%

IHC, immunohistochemistry; MRL/lpr, a systemic lupus erythematosus mouse model.

Table SII. shRNA and primer sequences for lentivirus vector.

Gene	Sequence
shRNA	5'-GGAAGGAACTGACCGACTTAT-3'
shNC	5'-GTTCTCCGAACGTGTCACGTC-3'
FRA1	Sense: 5'-ACCTCCATAGAAGATTCTAGAATGTTCCGAGACTTCGGGA-3'
	Antisense: 5'-GATCGCAGATCCTTCGCGGCCGCTCACAAAGCGAGGAGGGTTG-3'

NC, non-coding; shRNA, short hairpin RNA.

