

Supplementary Table S8. DNA methylation changes associated with SLE treatment.

Medication	Treated cases n, discovery; replication	Not treated cases n, discovery; replication	Replicated DMCs*, n	DMCs with decreased methylation	DMCs with increased methylation
Glucocorticoids	188; 93	107; 80	5196	4739	457
Chloroquines [†]	147; 61	148; 40	-	-	-
Azathioprine	49; 33	246; 101	125	125	-
Mycophenolate mofetil	28; 10	267; 141	-	-	-
Methotrexate	21; 8	274; 140	-	-	-

*Discovery cohort $p < 1.3 \times 10^{-7}$ and $|\Delta\beta| > 0.05$ (n=7,930 CpG sites), replication cohort $p < 6.3 \times 10^{-6}$ (Bonferroni corrected $\alpha=0.05$) and same direction of effect. Age, sex, estimated cell-type distribution and disease activity status were included as covariates in the association model.

[†] Chloroquine or Hydroxychloroquine