

Dataset	Sample size (SLE / NHV)	Tissue	Age category	Gene expression platform	Clinical information
PRECISESADS	376 / 263	Whole blood	Adult	RNA-seq (GPL16791)	A cross-sectional cohort of clinically heterogeneous patients
GSE65391	924 / 72	PBMC	Pediatric	Microarray (GPL10558)	A longitudinal cohort of clinically heterogeneous patients
GSE45291	727 / 20	Whole blood	Adult	Microarray (GPL13158)	A longitudinal cohort of clinically heterogeneous patients
GSE24706	15 / 33	Whole blood	Adult	Microarray (GPL6884)	Patients with different antinuclear antibody titers
GSE50772	61 / 20	PBMC	Adult	Microarray (GPL570)	Clinical information not available
GSE61635	79 / 30	Whole blood	Adult	Microarray (GPL570)	Anti-ribonucleoprotein positive patients
GSE72509	99 / 18	Whole blood	Adult	RNA-seq (GPL16791)	Patients with different anti-Ro titers
GSE82221	30 / 25	PBMC	Adult	Microarray (GPL10558)	Patients with or without lupus nephritis
GSE108497	325 / 187	Whole blood	Adult	Microarray (GPL10558)	Study of SLE Patients During Pregnancy
GSE110169	82 / 77	Whole blood	Adult	Microarray (GPL13667)	Clinical information not available
GSE110174	144 / 10	Whole blood	Adult	Microarray (GPL13158)	Baseline SLE samples from patients enrolled in a clinical trial
GSE211700	20 / 10	PBMC	Adult	RNA-seq (GPL20795)	Patients with or without lupus nephritis
GSE22098	82 / 19	Whole blood	Pediatric	Microarray (GPL6947)	Clinical information not available
GSE22098	28 / 17	Whole blood	Adult	Microarray (GPL6947)	Clinical information not available
GSE88887	2175 / 60	Whole blood	Adult	Microarray (GPL17586)	SLE samples from patients enrolled in a clinical trial