

Supplementary table 1 A-B: Correlations of the domains of the LFA-REAL ClinRo and LFA-REAL PRO

A. Correlations of the domains of the LFA-REAL ClinRo and LFA-REAL PRO (mucocutaneous, musculoskeletal and cardiorespiratory domains)

LFA-REAL PRO	LFA-REAL ClinRO	
	Rho	p-value
	Global mucocutaneous	
Rash	0.023	0.727
	Rash	
Rash	0.120	0.071
	Alopecia	
Alopecia	0.017	0.795
	Arthralgia/arthritis	
Global arthritis	0.271	<0.001
Arthritits, sum of all subdomains	0.289	<0.001
	Myalgia/myositis	
Myalgia	-0.037	0.580
Fatigue	0.052	0.433
	Cardiorespiratory	
Fatigue	0.163	0.014
Chest pain	0.240	<0.001
Shortness of breath	0.289	<0.001

LFA-REAL: Lupus Foundation of America Rapid Evaluation of Activity in Lupus. ClinRO: Clinician Reported Outcome. PRO: Patient Reported Outcome.

B. Renal (LFA-REAL ClinRO), swelling in legs (LFA-REAL PRO), proteinuria and serum albumin

	LFA-REAL ClinRO renal		Proteinuria		Serum albumin	
	Rho	p value	Rho	p value	Rho	p value
LFA-REAL PRO swelling in legs	0.107	0.108	0.095	0.181	-0.197	0.003
Proteinuria	0.738	<0.001	-0.360	<0.001		
Serum albumin	-0.250	<0.001			-0.360	<0.001

LFA-REAL: Lupus Foundation of America Rapid Evaluation of Activity in Lupus. ClinRO: Clinician Reported Outcome. PRO: Patient Reported Outcome.

Supplementary Table 2. Correlation between SLEDAI-2K and LFA-REAL ClinRO domains

	LFA-REAL ClinRO	
	Rho	p-value
Mucocutaneous		
SLEDAI-2K	0.695	<0.001
Musculoskeletal		
SLEDAI-2K	0.647	<0.001
Renal		
SLEDAI-2K	0.821	<0.001
Hematologic		
SLEDAI-2K	0.716	<0.001

SLEDAI-2K: Systemic lupus erythematosus disease activity index 2000. LFA-REAL: Lupus Foundation of America Rapid Evaluation of Activity in Lupus. ClinRO:

Supplementary Table 3: Correlation between LFA-REAL ClinRO and the PGA, the SLEDAI-2K and clinical SLEDAI-2K according to the degree of disease activity

	LFA-REAL ClinRO 0-1400		LFA-REAL ClinRO 0-1100	
	Rho	p-value	Rho	p-value
<i>SLEDAI-2K=0</i>				
PGA	0.443	<0.001	0.467	<0.001
<i>SLEDAI-2K>1 and ≤4</i>				
PGA	0.668	<0.001	0.467	<0.001
SLEDAI-2K	0.317	0.003	0.333	0.002
Clinical SLEDAI-2K	0.617	<0.001	0.606	<0.001
<i>SLEDAI-2K>4</i>				
PGA	0.688	<0.001	0.720	<0.001
SLEDAI-2K	0.473	0.005	0.506	0.002
Clinical SLEDAI-2K	0.481	0.004	0.526	0.001

PGA: Physician global assessment. SLEDAI-2K: Systemic lupus erythematosus disease activity index 2000. LFA-REAL: Lupus Foundation of America Rapid Evaluation of Activity in Lupus. ClinRO: Clinician Reported Outcome.

Supplementary Table 4: Correlation between LFA-REAL CPRO and the PGA, the SLEDAI-2K, clinical SLEDAI-2K and LFA-REAL ClinRO according to the degree of disease activity

	LFA-REAL PRO		LFA-REAL PRO	
	0-1200		0-1000	
	Rho	p-value	Rho	p-value
<i>SLEDAI-2K=0</i>				
PGA	0.163	0.094	0.197	0.042
LFA-REAL ClinRo 0-1400	0.074	0.446	0.110	0.260
LFA-REAL ClinRo 0-1100	0.058	0.423	0.112	0.252
<i>SLEDAI-2K>1 and ≤4</i>				
PGA	0.098	0.372	0.084	0.444
SLEDAI-2K	0.105	0.337	0.090	0.412
Clinical SLEDAI- 2K	0.174	0.110	0.155	0.155
LFA-REAL ClinRo 0-1400	0.111	0.311	0.065	0.553
LFA-REAL ClinRo 0-1100	0.083	0.446	0.029	0.723
<i>SLEDAI-2K>4</i>				
PGA	0.046	0.796	0.027	0.878
SLEDAI-2K	0.004	0.982	-0.027	0.881
Clinical SLEDAI- 2K	0.069	0.700	0.053	0.764
LFA-REAL ClinRo 0-1400	0.181	0.307	0.159	0.368
LFA-REAL ClinRo 0-1100	0.222	0.206	0.201	0.254

PGA: Physician global assessment. SLEDAI-2K: Systemic lupus erythematosus disease activity index 2000. LFA-REAL: Lupus Foundation of America Rapid Evaluation of Activity in Lupus. ClinRO: Clinician Reported Outcome. PRO: Patient Reported Outcome.