

Supplemental Table 1 Clinical features of subjects included in the MSG biopsy

Subjects	Age at Biopsy	Focus Score	Ocular involvement	Salivary Flow	Autoantibodies
HV	44	0	N	Normal	Negative
HV	30	0	N	Normal	Negative
HV	37	0	N	Normal	Negative
HV	53	0	N	Low	Negative
HV	34	0	Y	Low	Negative
HV	54	0	N	Normal	Negative
pSS	58	2	Y	Low	Positive
pSS	42	1	Y	Low	Positive
pSS	31	2	N	Low	Positive
pSS	62	2	Y	Low	Positive
pSS	60	2	Y	Low	Positive

Criteria are based on the American European consensus group. Ocular involvement was determined by an abnormal Schirmer-1 test and/or increase conjunctival staining score. Abnormal salivary flow rate was defined as unstimulated salivary flow ≤ 1.5 ml/15 mins. Autoantibody positivity was defined as the presence of anti-nuclear antibodies or anti-Ro/SSA and anti-La/SSB antibodies.