

**Supplementary Table S1.**

Variable	Europe (n = 6045)	America (n = 1134)	Asia (n = 940)	Australia (n = 146)	Africa (n = 45)
Gender (Female)	5597 (92.6)	1068 (94.2)	910 (96.8)	131 (89.7)	42 (93.3)
Age at diagnosis	54 + 14.2	53 + 13.9	48.1 + 13.4	56.8 + 13.6	43.6 + 8.2
Dry eye	5665 (93.7)	1103 (97.3)	703 (74.8)	144 (98.6)	45 (100)
Dry mouth	5631 (93.2)	1110 (97.9)	772 (82.1)	146 (100)	41 (91.1)
Abnormal ocular tests	4452/5199 (85.6)	863/1023 (84.4)	758/874 (86.7)	119/132 (90.2)	36 (80)
Schirmer's test	3367/4143 (81.3)	689/1017 (67.7)	696/867 (80.3)	115/131 (87.8)	36 (80)
Rose bengal score or other ocular dye score <sup>¶</sup>	1705/2182 (78.1)	508/757 (67.1)	237/350 (67.7)	10/13 (76.9)	NP
Positive minor salivary gland biopsy	3956/4420 (89.5)	735/840 (87.5)	526/623 (84.4)	55/56 (98.2)	33 (73.3)
Abnormal oral diagnostic tests	3495/4372 (79.9)	771/1003 (76.9)	497/599 (83)	39/44 (88.6)	41 (91.1)
Unstimulated whole salivary flow	2434/3377 (72.1)	732/980 (74.7)	375/494 (75.9)	37/42 (88.1)	30 (66.7)
Parotid sialography	647/785 (82.4)	30/34 (88.2)	11/18 (61.1)	2/2 (100)	12/34 (35.3)
Salivary scintigraphy <sup>†</sup>	1867/2243 (83.2)	93/107 (86.9)	171/183 (93.4)	NP	29 (64.4)
Positive anti-Ro/La antibodies	4425/6027 (73.4)	817/1126 (72.6)	788/913 (86.3)	118 (80.8)	29/38 (76.3)
Anti-Ro antibodies	4274/6023 (71)	767/1125 (68.2)	765/913 (83.8)	118 (80.8)	26/38 (68.4)
Anti-La antibodies	2572/6004 (42.8)	466/1126 (41.4)	448/902 (49.7)	93/145 (64.1)	20/38 (52.6)
ANA positive	4548/5593 (81.3)	851/1096 (77.6)	771/885 (87.1)	93/127 (73.2)	29 (64.4)
RF positive <sup>†</sup>	2583/5180 (49.9)	456/1086 (42)	430/843 (51)	NP	14 (31.1)
C3 low	694/4604 (15.1)	39/980 (4)	167/813 (20.5)	2/112 (1.8)	10 (22.2)
C4 low	663/4591 (14.4)	84/978 (8.6)	77/814 (9.5)	15/112 (13.4)	7 (15.6)
Positive cryoglobulins	298/3686 (8.1)	3/150 (2)	2/218 (0.9)	2/33 (6.1)	2/31 (6.5)

All comparisons were statistically significant (adjusted p-values for 20 comparisons with false discovery rate (FDR) correction < 0.05) except for abnormal ocular tests with a p-value = 0.235.

<sup>¶</sup> P-value was computed excluding Africa, <sup>†</sup> P-value was computed excluding Australia.

NP: Not performed.

**Supplementary Table S2.**

<b>Variable</b>	<b>White (n = 6174)</b>	<b>non-White (n = 1710)</b>	<b>P-value*</b>
Gender (Female)	5720 (92.6)	1632 (95.4)	<0.001
Age at diagnosis	54.2 ± 14.2	48.5 ± 13.2	<0.001
Dry eye	5826 (94.4)	1434 (83.9)	<0.001
Dry mouth	5775 (93.5)	1514 (88.5)	<0.001
Abnormal ocular tests	4656/5354 (87)	1332/1550 (85.9)	0.369
Schirmer's test	3525/4351 (81)	1139/1483 (76.8)	<0.001
Rose bengal score or other ocular dye score	1949/2564 (76)	508/732 (69.4)	<0.001
Positive minor salivary gland biopsy	3943/4406 (89.5)	1019/1200 (84.9)	<0.001
Abnormal oral diagnostic tests	3664/4504 (81.3)	991/1216 (81.5)	0.940
Unstimulated whole salivary flow	2625/3546 (74)	811/1065 (76.2)	0.220
Parotid sialography	655/813 (80.6)	46/59 (78)	0.792
Salivary scintigraphy	1880/2262 (83.1)	265/297 (89.2)	0.015
Positive anti-Ro/La antibodies	4524/6154 (73.5)	1375/1677 (82)	<0.001
Anti-Ro antibodies	4347/6152 (70.7)	1331/1674 (79.5)	<0.001
Anti-La antibodies	2669/6130 (43.5)	771/1666 (46.3)	0.070
ANA positive	4877/6062 (80.5)	1371/1636 (83.8)	0.004
RF positive	2695/5549 (48.6)	778/1580 (49.2)	0.730
C3 low	684/5069 (13.5)	227/1464 (15.5)	0.074
C4 low	685/5064 (13.5)	160/1455 (11)	0.020
Positive cryoglobulins	296/3664 (8.1)	10/447 (2.2)	<0.001

\* Adjusted p-values for 20 comparisons with false discovery rate (FDR) correction

**Supplementary Table S3.**

<b>Variable</b>	<b>Asia (n = 940)</b>	<b>Out of Asia (n = 126)</b>	<b>P-value*</b>
Gender (Female)	910 (96.8)	118 (93.7)	0.275
Age at diagnosis	48.1 ± 13.4	49.8 ± 12.1	0.347
Dry eye	703 (74.8)	114 (90.5)	0.003
Dry mouth	772 (82.1)	119 (94.4)	0.007
Abnormal ocular tests	758/874 (86.7)	60/79 (75.9)	0.092
Schirmer's test	696/867 (80.3)	50/73 (68.5)	0.126
Rose bengal score or other ocular dye score	237/350 (67.7)	24/37 (64.9)	1.000
Positive minor salivary gland biopsy	526/623 (84.4)	66/86 (76.7)	0.250
Abnormal oral diagnostic tests	497/599 (83)	58/80 (72.5)	0.135
Unstimulated whole salivary flow	375/494 (75.9)	55/77 (71.4)	0.873
Parotid sialography	11/18 (61.1)	3/4 (75)	1.000
Salivary scintigraphy	171/183 (93.4)	8/11 (72.7)	0.184
Positive anti-Ro/La antibodies	788/913 (86.3)	108 (85.7)	1.000
Anti-Ro antibodies	765/913 (83.8)	108 (85.7)	1.000
Anti-La antibodies	448/902 (49.7)	62/125 (49.6)	1.000
ANA positive	771/885 (87.1)	105/121 (86.8)	1.000
RF positive	430/843 (51)	58/111 (52.3)	1.000
C3 low	167/813 (20.5)	15/88 (17)	0.875
C4 low	77/814 (9.5)	14/87 (16.1)	0.222
Positive cryoglobulins	2/218 (0.9)	1/48 (2.1)	1.000

\* Adjusted p-values for twenty comparisons with false discovery rate (FDR) correction

**Supplementary Table S4.**

<b>Variable</b>	<b>Latin America (n = 340)</b>	<b>Outside Latin America (n = 53)</b>	<b>P-value*</b>
Gender (Female)	319 (93.8)	53 (100)	0.419
Age at diagnosis	48 + 12.8	46.3 + 13.7	0.586
Dry eye	327 (96.2)	49 (92.5)	0.586
Dry mouth	329 (96.8)	49 (92.5)	0.566
Abnormal ocular tests	295/328 (89.9)	39/45 (86.7)	0.850
Schirmer's test	282/323 (87.3)	19/22 (86.4)	1.000
Rose bengal score or other ocular dye score	118/161 (73.3)	14/14 (100)	0.285
Positive minor salivary gland biopsy	238/246 (96.7)	20/26 (76.9)	0.001
Abnormal oral diagnostic tests	267/295 (90.5)	34/35 (97.1)	0.586
Unstimulated whole salivary flow	244/282 (86.5)	9/10 (90)	1.000
Parotid sialography	30/34 (88.2)	1/1 (100)	1.000
Salivary scintigraphy	47/54 (87)	27/35 (77.1)	0.586
Positive anti-Ro/La antibodies	262/336 (78)	46 (86.8)	0.566
Anti-Ro antibodies	257/335 (76.7)	42/52 (80.8)	0.850
Anti-La antibodies	151/337 (44.8)	29 (54.7)	0.566
ANA positive	248/328 (75.6)	43 (81.1)	0.688
RF positive	186/332 (56)	16/52 (30.8)	0.008
C3 low	18/287 (6.3)	18/50 (36)	<0.001
C4 low	39/285 (13.7)	12/48 (25)	0.289
Positive cryoglobulins	3/94 (3.2)	1/34 (2.9)	1.000

\* Adjusted p-values for twenty comparisons with false discovery rate (FDR) correction