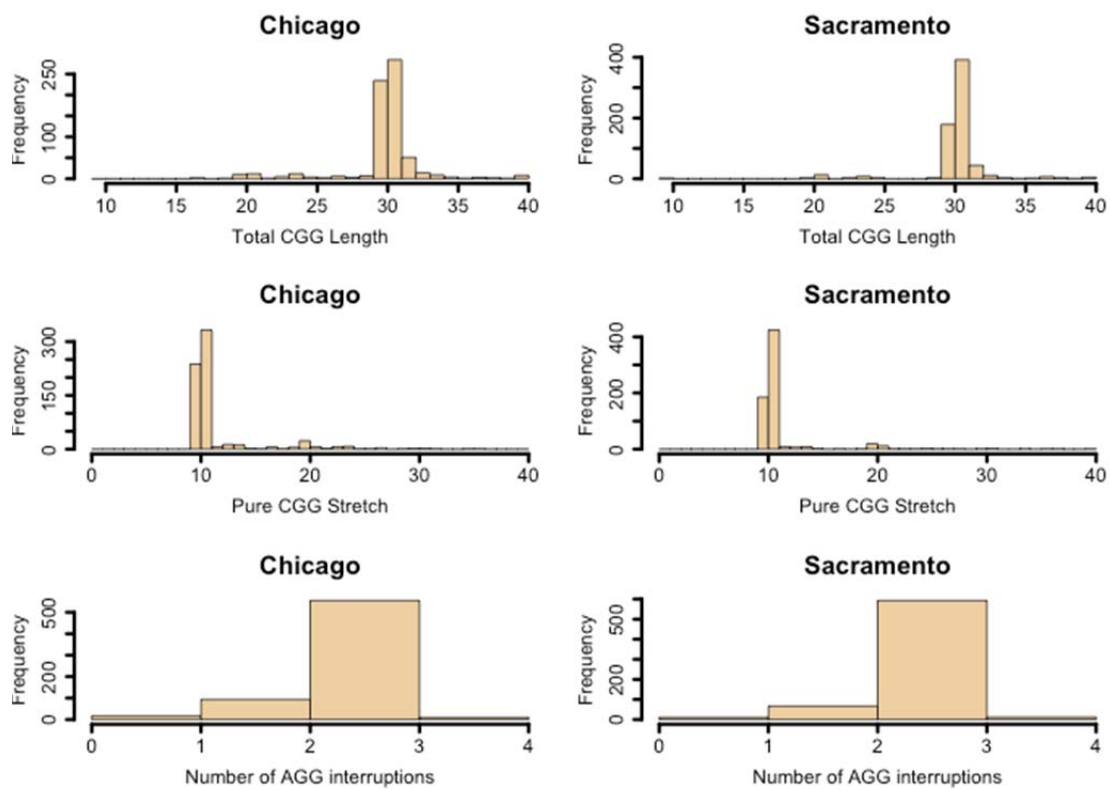


Supplementary Data

Supplementary Table 1

	Australia	Chile	Emirates	Guatemala	Indonesia	Italy	Mexico	Spain	USA	African American	Asians	Basque	Caucasians	Danish	England	Greenland	Hispanic	Hutterite	India	Jewish Arabic	Malay Borneo Tibet	Northern Europe	Quebec	South American	
23	1 (0%)	0 (0%)	0 (0%)	1 (1%)	2 (1%)	0 (0%)	0 (0%)	2 (1%)	2 (0%)	1 (1%)	3 (1%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	0 (0%)	1 (1%)	
24	0 (0%)	0 (0%)	2 (1%)	0 (0%)	0 (0%)	2 (3%)	0 (0%)	1 (0%)	2 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	3 (1%)	0 (0%)	0 (0%)	0 (0%)	
25	1 (0%)	0 (0%)	2 (1%)	1 (1%)	0 (0%)	1 (1%)	0 (0%)	2 (1%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	8 (3%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	
26	1 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	1 (0%)	2 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	3 (2%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	0 (0%)	1 (1%)	1 (1%)	
29	0 (0%)	0 (0%)	0 (0%)	1 (1%)	3 (1%)	0 (0%)	0 (0%)	1 (0%)	2 (0%)	1 (1%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	0 (0%)	0 (0%)	1 (1%)	
30	0 (0%)	0 (0%)	1 (0%)	1 (1%)	6 (2%)	1 (1%)	0 (0%)	1 (0%)	4 (0%)	1 (1%)	1 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (2%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	
10-A-10	0 (0%)	0 (0%)	1 (0%)	1 (1%)	0 (0%)	1 (1%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	6 (2%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	1 (1%)	1 (1%)	
10-A-10-A-9	0 (0%)	1 (1%)	16 (6%)	2 (1%)	1 (0%)	3 (4%)	0 (0%)	2 (1%)	31 (2%)	4 (3%)	15 (6%)	0 (0%)	0 (0%)	7 (3%)	0 (0%)	7 (4%)	0 (0%)	1 (1%)	2 (5%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (2%)	
10-A-19	1 (0%)	0 (0%)	3 (1%)	0 (0%)	3 (1%)	0 (0%)	2 (1%)	1 (0%)	14 (1%)	2 (1%)	3 (1%)	1 (0%)	0 (0%)	1 (0%)	0 (0%)	1 (1%)	0 (0%)	1 (1%)	0 (0%)	3 (3%)	2 (1%)	1 (0%)	0 (0%)	0 (0%)	
10-A-20	3 (1%)	2 (3%)	1 (0%)	0 (0%)	3 (1%)	1 (1%)	2 (1%)	6 (2%)	3 (0%)	3 (2%)	3 (1%)	2 (1%)	1 (1%)	1 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	2 (0%)	0 (0%)	2 (1%)	0 (0%)	0 (0%)	0 (0%)	
10-A-21	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	2 (1%)	3 (0%)	1 (1%)	1 (0%)	0 (0%)	0 (0%)	2 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (2%)	0 (0%)	2 (1%)	1 (1%)	0 (0%)	0 (0%)	
10-A-22	1 (0%)	0 (0%)	0 (0%)	1 (1%)	1 (0%)	0 (0%)	3 (1%)	0 (0%)	1 (0%)	2 (1%)	3 (1%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	
10-A-9	22 (11%)	4 (5%)	7 (3%)	2 (1%)	2 (1%)	2 (3%)	11 (4%)	33 (9%)	22 (2%)	1 (1%)	5 (2%)	0 (0%)	13 (9%)	27 (11%)	0 (0%)	26 (14%)	3 (4%)	1 (1%)	9 (22%)	2 (2%)	10 (4%)	1 (0%)	5 (6%)	1 (1%)	5 (4%)
10-A-9-A-10	10 (5%)	3 (4%)	7 (3%)	1 (1%)	0 (0%)	0 (0%)	14 (5%)	12 (3%)	52 (4%)	7 (5%)	24 (9%)	0 (0%)	3 (2%)	18 (7%)	0 (0%)	1 (1%)	1 (1%)	5 (6%)	1 (2%)	0 (0%)	2 (1%)	0 (0%)	11 (13%)	3 (3%)	10 (9%)
10-A-9-A-11	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	1 (0%)	0 (0%)	5 (2%)	3 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	
10-A-9-A-8	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	19 (18%)	0 (0%)	
10-A-9-A-9	59 (29%)	40 (52%)	72 (27%)	62 (41%)	67 (21%)	26 (39%)	96 (35%)	129 (36%)	592 (44%)	24 (17%)	46 (18%)	20 (9%)	75 (52%)	66 (26%)	12 (39%)	55 (30%)	45 (53%)	41 (51%)	21 (52%)	33 (38%)	85 (31%)	59 (29%)	25 (30%)	24 (23%)	43 (38%)
11-A-9	0 (0%)	0 (0%)	4 (2%)	0 (0%)	0 (0%)	1 (1%)	3 (1%)	0 (0%)	1 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	
11-A-9-A-9	2 (1%)	0 (0%)	5 (2%)	2 (1%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	3 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (2%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	
12-A-10	3 (1%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	2 (1%)	2 (0%)	0 (0%)	1 (0%)	0 (0%)	4 (3%)	3 (1%)	0 (0%)	3 (2%)	0 (0%)	0 (0%)	0 (0%)	2 (2%)	0 (0%)	0 (0%)	4 (5%)	0 (0%)	1 (1%)
12-A-9	0 (0%)	1 (1%)	0 (0%)	1 (1%)	1 (0%)	0 (0%)	1 (0%)	0 (0%)	1 (0%)	3 (2%)	2 (1%)	0 (0%)	1 (1%)	1 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	3 (1%)	0 (0%)	0 (0%)	0 (0%)	
13-A-9	3 (1%)	2 (3%)	5 (2%)	2 (1%)	2 (1%)	2 (3%)	2 (1%)	14 (4%)	14 (1%)	0 (0%)	0 (0%)	2 (1%)	8 (6%)	6 (2%)	0 (0%)	7 (4%)	0 (0%)	1 (1%)	1 (2%)	5 (6%)	17 (6%)	1 (0%)	0 (0%)	1 (1%)	2 (2%)
14-A-9	3 (1%)	1 (1%)	2 (1%)	0 (0%)	0 (0%)	0 (0%)	3 (1%)	1 (0%)	2 (0%)	1 (1%)	4 (2%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (2%)	2 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	
19-A-9	1 (0%)	0 (0%)	1 (0%)	4 (3%)	2 (1%)	0 (0%)	1 (0%)	0 (0%)	16 (1%)	0 (0%)	4 (2%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	2 (1%)	6 (3%)	1 (1%)	0 (0%)	1 (1%)	
20-A-9	5 (2%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	0 (0%)	5 (2%)	1 (0%)	10 (1%)	0 (0%)	3 (1%)	1 (0%)	2 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (2%)	3 (1%)	0 (0%)	1 (1%)	0 (0%)	2 (2%)	
21-A-9	1 (0%)	0 (0%)	1 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	2 (1%)	4 (3%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	
9-A-10	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	3 (0%)	0 (0%)	0 (0%)	0 (0%)	3 (2%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	2 (2%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	
9-A-10-A-9	5 (2%)	0 (0%)	18 (7%)	5 (3%)	0 (0%)	1 (1%)	0 (0%)	6 (2%)	25 (2%)	1 (1%)	8 (3%)	0 (0%)	0 (0%)	4 (2%)	1 (3%)	5 (3%)	0 (0%)	1 (1%)	0 (0%)	2 (2%)	11 (4%)	1 (0%)	0 (0%)	3 (3%)	1 (1%)
9-A-11-A-9	0 (0%)	0 (0%)	1 (0%)	2 (1%)	1 (0%)	1 (1%)	0 (0%)	1 (0%)	1 (0%)	2 (1%)	1 (0%)	0 (0%)	0 (0%)	4 (2%)	0 (0%)	6 (3%)	0 (0%)	0 (0%)	0 (0%)	4 (1%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	
9-A-12	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	1 (0%)	2 (1%)	4 (0%)	7 (5%)	4 (2%)	0 (0%)	1 (1%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	
9-A-12-A-9	2 (1%)	0 (0%)	1 (0%)	0 (0%)	3 (1%)	0 (0%)	1 (0%)	13 (4%)	9 (1%)	0 (0%)	3 (1%)	0 (0%)	5 (3%)	6 (2%)	0 (0%)	5 (3%)	2 (2%)	3 (4%)	0 (0%)	0 (0%)	2 (1%)	0 (0%)	4 (5%)	0 (0%)	1 (1%)
9-A-13	1 (0%)	0 (0%)	0 (0%)	0 (0%)	8 (3%)	0 (0%)	2 (1%)	1 (0%)	1 (0%)	0 (0%)	0 (0%)	4 (2%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	
9-A-19	3 (1%)	2 (3%)	2 (1%)	0 (0%)	6 (2%)	0 (0%)	4 (1%)	2 (1%)	12 (1%)	4 (3%)	1 (0%)	5 (2%)	0 (0%)	0 (0%)	4 (13%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	4 (1%)	1 (0%)	1 (1%)	0 (0%)	0 (0%)
9-A-20	1 (0%)	0 (0%)	2 (1%)	1 (1%)	1 (0%)	0 (0%)	0 (0%)	2 (1%)	5 (0%)	4 (3%)	2 (1%)	1 (0%)	1 (1%)	4 (2%)	0 (0%)	2 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)
9-A-21	2 (1%)	0 (0%)	1 (0%)	1 (1%)	3 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	0 (0%)	0 (0%)	0 (0%)	2 (2%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	1 (1%)
9-A-22	0 (0%)	0 (0%)	1 (0%)	0 (0%)	9 (3%)	0 (0%)	0 (0%)	1 (0%)	3 (0%)	0 (0%)	2 (1%)	0 (0%)	1 (1%)	3 (1%)	0 (0%)	3 (2%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
9-A-25	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	1 (0%)	1 (1%)	1 (0%)	0 (0%)	1 (1%)	3 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)
9-A-26	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	2 (1%)	1 (0%)	1 (1%)	0 (0%)	1 (0%)	0 (0%)	1 (0%)	0 (0%)	2 (1%)	0 (0%)	0 (0%)	2 (2%)	2 (1%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
9-A-9	0 (0%)	0 (0%)	0 (0%)	1 (1%)	2 (1%)	0 (0%)	1 (0%)	1 (0%)	13 (1%)	1 (1%)	0 (0%)	2 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (2%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)
9-A-9-A-10	1 (0%)	0 (0%)	5 (2%)	1 (1%)	5 (2%)	2 (3%)	3 (1%)	3 (1%)	23 (2%)	12 (9%)	10 (4%)	0 (0%)	0 (0%)	8 (3%)	0 (0%)	2 (1%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	1 (1%)
9-A-9-A-12	0 (0%)	0 (0%)	0 (0%)	0 (0%)	5 (2%)	0 (0%)	0 (0%)	5 (1%)	0 (0%)	0 (0%)	1 (0%)	3 (1%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	5 (2%)	0 (0%)	2 (2%)	1 (1%)	1 (1%)
9-A-9-A-13	0 (0%)	0 (0%)	1 (0%)	2 (1%)	1 (0%)	0 (0%)	0 (0%)	2 (1%)	3 (0%)	0 (0%)	2 (1%)	0 (0%)	1 (1%)	1 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (2%)	1 (1%)	0 (0%)	0 (0%)
9-A-9-A-17	0 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	3 (2%)	1 (0%)	0 (0%)	0 (0%)	4 (5%)	0 (0%)	0 (0%)	2 (2%)	0 (0%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)
9-A-9-A-19	4 (2%)	0 (0%)	1 (0%)	1 (1%)	1 (0%)	0 (0%)	1 (0%)	3 (1%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	3 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)
9-A-9-A-20	5 (2%)	0 (0%)	1 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	1 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (1%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (2%)	0 (0%)	0 (0%)
9-A-9-A-6-A-9	0 (0%)	0 (0%)	0 (0%)	0 (0%)	20 (6%)	0 (0%)	0 (0%)	2 (1%)	7 (1%)	0 (0%)	0 (0%)	15 (7%)	0 (0%)	0 (0%)	0 (0%)	16 (19%)	0 (0%)	0 (0%)	8 (9%)	1 (0%)	11 (5%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)
9-A-9-A-9	18 (9%)	17 (22%)	50 (19%)	42 (28%)	109 (35%)	11 (16%)	90 (32%)	50 (14%)	381 (28%)	17 (12%)	49 (19%)	131 (61%)	1 (1%)	25 (10%)	5 (16%)	22 (12%)	3 (4%)	21 (26%)	2 (5%)	3 (3%)	63 (23%)	96 (48%)	15 (18%)	8 (8%)	25 (22%)
9-A-9-A-9-A-9	16 (8%)	0 (0%)	2 (1%)	0 (0%)	2 (1%)	0 (0%)	2 (1%)	0 (0%)	8 (1%)	0 (0%)	6 (2%)	1 (0%)	1 (1%)	2 (1%)	1 (3%)	0 (0%)	1 (1%)	1 (1%)	0 (0%)	2 (2%)	6 (2%)	5 (2%)	0 (0%)	0 (0%)	2 (2%)
Other	22 (11%)	3 (4%)	46 (17%)	13 (9%)	36 (12%)	12 (18%)	24 (9%)	45 (13%)	78 (6%)	33 (24%)	42 (16%)	20 (9%)	13 (9%)	42 (17%)	8 (26%)	23 (13%)	8 (9%)	1 (1%)	2 (5%)	10 (12%)	27 (10%)	5 (2%)	8 (10%)	32 (31%)	10 (9%)

Supplementary Data



Supplementary Figure 1. Comparisons of Chicago and Sacramento AGG interruption patterns. The two collection sites for the USA cohort, Chicago and Sacramento show similarities in the distribution of alleles total length, pure stretch, and number of AGG interruptions.