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Title	Population data for 21 autosomal short tandem repeat markers in the Arabic population of the United Arab Emirates
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Creators	Jones, Rebecca J, Al Tayaare, Wafa, Tay, Guan K, Alsafar, Habiba and Goodwin, William H

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Supplementary Table 2: Allele frequencies and statistical parameters for 21 autosomal STR loci for UAE population

	D3S1358	vWA	D16S539	CSF1PO	TPOX	D8S1179	D21S11	D18S51	D2S441	D19S433	TH01
4											0.001
4.2											
5											0.001
5.3											0.001
6				0.001	0.006						0.298
6.2										0.001	
6.3											
7				0.003	0.004						0.211
7.3											
8			0.031	0.006	0.461	0.007					0.109
8.3											0.001
9			0.151	0.030	0.142	0.006		0.001	0.002		0.242
9.3											0.119
10	0.001		0.096	0.282	0.117	0.070		0.005	0.133	0.002	0.014
10.2								0.001			
11		0.001	0.359	0.310	0.238	0.096		0.019	0.401	0.018	0.003
11.2										0.001	
11.3									0.082		
12	0.001		0.229	0.311	0.029	0.148		0.119	0.089	0.093	
12.2										0.006	
12.3				0.001					0.005		
13	0.004	0.001	0.123	0.048	0.003	0.240		0.179	0.023	0.215	
13.2								0.001		0.036	
13.3											
14	0.052	0.065	0.010	0.010	0.001	0.170		0.148	0.233	0.238	0.001
14.2										0.057	
14.3											
15	0.257	0.132		0.001	0.001	0.186		0.137	0.031	0.140	
15.2								0.001		0.085	0.001
15.3											
16	0.297	0.244				0.063		0.116	0.002	0.051	0.001
16.1											
16.2								0.002		0.049	
16.3											
17	0.246	0.268				0.011		0.117		0.003	
17.2								0.001		0.005	
17.3											

18	0.130	0.210				0.002		0.077		0.001	
18.2										0.001	
18.3											
19	0.014	0.068	0.002					0.049			
19.1											
19.2											
19.3											
20		0.009						0.019			
20.2											
20.3											
21		0.002						0.005			
21.1											
21.2								0.002			
22								0.005			
22.2											
23											
23.2											
24								0.001			
24.2											
25											
25.2											
25.3											
26							0.001				
26.2											
27							0.024				
27.2											
28							0.165				
28.2											
28.3											
29							0.219				
29.2							0.001				
30							0.239				
30.2							0.027				
31							0.044				
31.2							0.096				
31.3							0.001				
32							0.007				
32.2							0.123				
33							0.002				
33.2							0.038				
34							0.002				

34.2							0.006				
35							0.006				
35.2							0.001				
36							0.002				
36.2												
37												
N	996	996	996	996	995	996	996	996	996	996	996
Ho	0.750	0.801	0.738	0.715	0.687	0.798	0.827	0.858	0.732	0.819	0.766
He	0.766	0.799	0.771	0.725	0.697	0.839	0.839	0.878	0.752	0.852	0.782
HWE	0.399	0.537	0.383	0.196	0.195	0.202	0.020	0.012	0.056	0.000	0.031
PD	0.908	0.928	0.916	0.872	0.863	0.955	0.953	0.972	0.900	0.962	0.920
MP	0.092	0.072	0.084	0.129	0.137	0.045	0.047	0.028	0.100	0.038	0.081
PE	0.510	0.601	0.489	0.452	0.408	0.601	0.650	0.711	0.479	0.635	0.538
TPI	2.000	2.513	1.908	1.754	1.597	2.475	2.890	3.521	1.866	2.762	2.137
PIC	0.726	0.768	0.738	0.673	0.653	0.819	0.819	0.864	0.718	0.836	0.748
CPD	0.9999999999										
CMP	4.38×10^{-27}										
CPE	0.9999999964										

N: Number of Samples, Ho: Observed Heterozygosity, He: Expected Heterozygosity, HWE: Hardy Weinberg p-value, PD: Power of Discrimination, MP: Match Probability, PE: Power of Exclusion, TPI: Typical Paternity Index, PIC: Polymorphic Information Content, CPD: Combined Match Probability, CMP: Combined Match Probability, CPE: Combined Power of Exclusion.

Continuation of Supplementary Table 2

	FGA	D22S1045	D5S818	D13S317	D7S820	SE33	D10S1248	D1S1656	D12S391	D2S1338
4										
4.2						0.001				
5										
5.3						0.001				
6					0.001					
6.2										
6.3						0.005				
7			0.001	0.001	0.021					
7.3					0.001	0.001				
8		0.001	0.012	0.136	0.174	0.005		0.009		
8.3										
9			0.041	0.044	0.088	0.002	0.010	0.002		
9.3	0.001									
10		0.009	0.110	0.078	0.297	0.001	0.002	0.007		
10.2										
11		0.165	0.287	0.251	0.255	0.002	0.010	0.100		
11.2										
11.3										
12		0.015	0.355	0.338	0.144	0.004	0.033	0.114		
12.2						0.002				
12.3										
13		0.003	0.180	0.117	0.021	0.016	0.186	0.109		
13.2						0.003				
13.3						0.001				
14		0.071	0.014	0.035	0.001	0.033	0.328	0.117	0.001	0.002
14.2						0.001				
14.3						0.002		0.005		
15		0.413	0.001	0.001		0.029	0.284	0.145	0.023	0.001
15.2						0.001		0.001		
15.3						0.005		0.030		
16		0.243	0.001			0.068	0.112	0.200	0.024	0.047
16.1	0.002									
16.2						0.001				
16.3						0.003		0.050		
17	0.004	0.077	0.001			0.087	0.034	0.055	0.127	0.197
17.2										

17.3						0.001		0.032	0.007	
18	0.005	0.004				0.101	0.002	0.006	0.177	0.099
18.2	0.001									
18.3								0.016	0.012	
19	0.063					0.082		0.001	0.123	0.140
19.1									0.001	
19.2	0.005					0.001			0.001	
19.3								0.005	0.002	
20	0.087					0.042			0.128	0.164
20.2	0.003					0.004				
20.3									0.001	
21	0.117					0.018			0.125	0.064
21.1						0.001				
21.2	0.004					0.015				
22	0.152					0.006			0.088	0.043
22.2	0.006					0.020				
23	0.167					0.003			0.089	0.109
23.2	0.002					0.021				
24	0.217					0.002			0.049	0.076
24.2	0.002					0.030				
25	0.109	0.001							0.019	0.048
25.2	0.001					0.034				
25.3	0.001									
26	0.040								0.005	0.009
26.2						0.043				
27	0.007									0.002
27.2						0.054				
28	0.005									
28.2						0.066				
28.3						0.001				
29	0.002					0.002				
29.2						0.059				
30	0.001									
30.2						0.038				
31	0.001					0.001				
31.2	0.001					0.036				
31.3										
32						0.001				
32.2						0.022				
33						0.002				
33.2						0.006				

34						0.010				
34.2						0.004				
35						0.004				
35.2						0.001				
36						0.002				
36.2						0.001				
37						0.002				
N	991	996	996	996	996	991	996	996	996	996
Ho	0.850	0.689	0.749	0.785	0.783	0.917	0.730	0.859	0.878	0.850
He	0.863	0.732	0.746	0.782	0.788	0.948	0.763	0.883	0.886	0.877
HWE	0.294	0.024	0.629	0.648	0.230	0.000	0.009	0.305	0.376	0.000
PD	0.967	0.832	0.888	0.922	0.922	0.994	0.907	0.975	0.975	0.972
MP	0.034	0.108	0.112	0.078	0.078	0.006	0.093	0.025	0.025	0.028
PE	0.695	0.411	0.508	0.572	0.568	0.830	0.476	0.713	0.751	0.695
TPI	3.333	1.608	1.992	2.326	2.304	6.024	1.852	3.546	4.098	3.333
PIC	0.848	0.693	0.704	0.751	0.755	0.945	0.725	0.871	0.875	0.864
CPD	0.9999999999									
CMP	4.38×10^{-27}									
CPE	0.9999999964									

N: Number of Samples, Ho: Observed Heterozygosity, He: Expected Heterozygosity, HWE: Hardy Weinberg p-value, PD: Power of Discrimination, MP: Match Probability, PE: Power of Exclusion, TPI: Typical Paternity Index, PIC: Polymorphic Information Content, CPD: Combined Match Probability, CMP: Combined Match Probability, CPE: Combined Power of Exclusion.