

**Supplemental Table 3B.** Two-locus Haplotypes and Associated LD values in Spanish Americans.

Population	Locus Pair	Haplotype	Haplotype Frequency	Haplotype Count	D	D'ij	Chi-Squared	Observed Count	Expected Count
Spanish American	A:B	2902:4403	0.03325	18.6	0.02943	0.61128	144.13141	18.55532	2.1308
Spanish American	A:B	0201:4402	0.02797	15.6	0.0195	0.62994	33.17279	15.60948	4.7312
Spanish American	A:B	0101:0801	0.02732	15.2	0.02274	0.40355	72.43982	15.24711	2.5591
Spanish American	A:B	0201:5101	0.02347	13.1	0.01152	0.26423	8.36469	13.09632	6.6667
Spanish American	A:B	0201:0801	0.01918	10.7	0.00608	0.12712	2.13543	10.70436	7.3118
Spanish American	A:B	0301:0702	0.01771	9.9	0.01308	0.26622	23.87358	9.88011	2.5806
Spanish American	A:B	1101:3501	0.01735	9.7	0.01396	0.26763	36.23254	9.67982	1.8889
Spanish American	A:B	0301:1801	0.01377	7.7	0.00946	0.20617	13.31401	7.68486	2.4086
Spanish American	A:B	0201:1801	0.01311	7.3	0.00232	0.05886	0.37277	7.31514	6.0215
Spanish American	A:B	3301:1402	0.01254	7	0.01187	0.48619	122.87969	7	0.3763
Spanish American	A:B	0201:1501	0.01236	6.9	0.00542	0.21408	3.11154	6.89577	3.871
Spanish American	A:B	2402:5101	0.01223	6.8	0.00665	0.13312	5.21441	6.82376	3.1111
Spanish American	A:B	0201:3501	0.01125	6.3	-0.00185	-0.14111	0.19751	6.28009	7.3118
Spanish American	A:B	3002:1801	0.01075	6	0.00922	0.31876	33.72275	6	0.853
Spanish American	A:B	2301:4403	0.0093	5.2	0.00601	0.14474	6.91399	5.18953	1.8369
Spanish American	A:B	0301:4403	0.00907	5.1	0.00275	0.04097	0.78926	5.06221	3.5269
Spanish American	A:B	6803:3905	0.00896	5	0.00873	0.82967	189.96275	5	0.129
Spanish American	A:B	0201:0702	0.0084	4.7	-0.00317	-0.27376	0.65098	4.68542	6.4516
Spanish American	A:B	2402:3512	0.00837	4.7	0.00675	0.46508	17.73653	4.66884	0.9032
Spanish American	A:B	0201:5001	0.00798	4.5	0.00297	0.16262	1.28474	4.45511	2.7957
Spanish American	A:B	2402:3503	0.00744	4.2	0.00565	0.35019	11.19378	4.15404	1.0036
Spanish American	A:B	2402:3502	0.00717	4	0.00609	0.62948	21.54412	4	0.6022
Spanish American	A:B	6801:5201	0.00717	4	0.00632	0.30597	27.97197	4	0.4731
Spanish American	A:B	2601:3701	0.00717	4	0.00678	0.48619	69.45096	4	0.2151
Spanish American	A:B	0201:4001	0.00717	4	0.0037	0.29224	2.85147	4	1.9355
Spanish American	A:B	0201:3517	0.00717	4	0.00447	0.45401	5.33344	4	1.5054
Spanish American	A:B	2402:3906	0.00717	4	0.00573	0.44422	14.35752	4	0.8029
Spanish American	A:B	1101:2705	0.00717	4	0.00597	0.29412	18.03491	4	0.6667
Spanish American	A:B	0201:4501	0.00717	4	0.00447	0.45401	5.33344	4	1.5054
Spanish American	A:B	2601:3801	0.00717	4	0.00673	0.4291	60.97125	4	0.2419

Spanish American	A:B	2402:2705	0.00717	4	0.00501	0.25896	7.37255	4	1.2043
Spanish American	A:B	0201:1503	0.007	3.9	0.00314	0.22342	1.85517	3.90425	2.1505
Spanish American	A:B	6801:5101	0.00692	3.9	0.00473	0.12699	6.27874	3.86077	1.2222
Spanish American	A:B	0101:4002	0.00655	3.7	0.00426	0.1512	4.92452	3.65643	1.2796
Spanish American	A:B	0101:3501	0.00637	3.6	0.00179	0.03174	0.44816	3.55711	2.5591
Spanish American	A:B	0201:4403	0.00597	3.3	-0.00984	-0.62247	4.69759	3.32874	8.8172
Spanish American	A:B	1101:0702	0.00594	3.3	0.00295	0.05816	1.82324	3.31458	1.6667
Spanish American	A:B	2301:3501	0.00547	3.1	0.00274	0.0651	1.70955	3.05167	1.5233
Spanish American	A:B	0206:3905	0.00538	3	0.00457	0.22067	15.27098	3	0.4516
Spanish American	A:B	1101:5101	0.00538	3	0.00229	0.04364	1.06284	3	1.7222
Spanish American	A:B	2402:5801	0.00538	3	0.00358	0.22191	4.49503	3	1.0036
Spanish American	A:B	2501:1801	0.00538	3	0.00466	0.34198	17.96733	3	0.4014
Spanish American	A:B	0206:3517	0.00538	3	0.0049	0.40623	29.91363	3	0.2634
Spanish American	A:B	0205:4901	0.00538	3	0.00491	0.23352	30.42771	3	0.2581
Spanish American	A:B	0201:3906	0.00538	3	0.00229	0.20377	1.23005	3	1.7204
Spanish American	A:B	2402:4901	0.00538	3	0.00322	0.16633	3.04161	3	1.2043
Spanish American	A:B	3101:4402	0.00538	3	0.00403	0.12333	7.28926	3	0.7491
Spanish American	A:B	0201:3801	0.00538	3	0.00191	0.15068	0.75812	3	1.9355
Spanish American	A:B	0206:4002	0.00538	3	0.00423	0.14427	9.33181	3	0.6398
Spanish American	A:B	2402:3901	0.00538	3	0.00484	1	27.03822	3	0.3011
Spanish American	A:B	0301:1402	0.00538	3	0.00306	0.12471	2.547	3	1.2903
Spanish American	A:B	3101:3501	0.00538	3	0.0033	0.10325	3.23197	3	1.1577
Spanish American	A:B	6802:5301	0.00538	3	0.00511	0.41601	55.82194	3	0.1505
Spanish American	A:B	3002:0801	0.00538	3	0.00352	0.12304	4.09071	3	1.0358
Spanish American	A:B	3001:1302	0.00538	3	0.00503	0.31868	42.26968	3	0.1935
Spanish American	A:B	0206:3908	0.00538	3	0.00511	0.74021	56.44817	2.99995	0.1505
Spanish American	A:B	1101:5201	0.0052	2.9	0.00401	0.19743	8.12671	2.90425	0.6667
Spanish American	A:B	0206:1515	0.00519	2.9	0.00472	0.39076	27.67937	2.89582	0.2634
Spanish American	A:B	2301:0702	0.00495	2.8	0.00254	0.05994	1.65478	2.76194	1.3441
Spanish American	A:B	0301:4001	0.00483	2.7	0.00344	0.23347	5.29771	2.69466	0.7742
Spanish American	A:B	2402:1501	0.00466	2.6	0.00142	0.04907	0.40155	2.60114	1.8065
Spanish American	A:B	6801:3503	0.00455	2.5	0.00385	0.22344	12.38617	2.54062	0.3943

Spanish American	A:B	2402:3501	0.00435	2.4	-0.00177	-0.2891	0.33757	2.42572	3.4122
Spanish American	A:B	6801:1501	0.0043	2.4	0.00303	0.0977	4.32517	2.39886	0.7097
Spanish American	A:B	2902:0702	0.00414	2.3	0.00134	0.02734	0.40248	2.30943	1.5591
Spanish American	A:B	0301:3503	0.00413	2.3	0.00259	0.15811	2.70472	2.30534	0.8602
Spanish American	A:B	0301:5001	0.00386	2.2	0.00186	0.08714	1.07388	2.15367	1.1183
Spanish American	A:B	2902:1302	0.00382	2.1	0.00298	0.19478	6.33068	2.12965	0.4677
Spanish American	A:B	0201:1515	0.00377	2.1	0.00107	0.10899	0.30735	2.10423	1.5054
Spanish American	A:B	0201:3701	0.00371	2.1	0.00063	0.05591	0.09261	2.07153	1.7204
Spanish American	A:B	2301:0801	0.00367	2	0.00094	0.02237	0.2019	2.04853	1.5233
Spanish American	A:B	3301:7801	0.00358	2	0.00345	0.65809	50.75766	2	0.0753
Spanish American	A:B	0201:5802	0.00358	2	0.00243	0.57534	3.64425	2	0.6452
Spanish American	A:B	0206:4801	0.00358	2	0.00311	0.25778	12.04588	2	0.2634
Spanish American	A:B	0201:3911	0.00358	2	0.00281	1	7.32626	2	0.4301
Spanish American	A:B	0205:4002	0.00358	2	0.00293	0.14048	7.70201	2	0.3656
Spanish American	A:B	2402:5201	0.00358	2	0.00143	0.07371	0.59722	2	1.2043
Spanish American	A:B	0301:3801	0.00358	2	0.0022	0.14902	2.15834	2	0.7742
Spanish American	A:B	3601:5301	0.00358	2	0.00351	1	91.32734	2	0.043
Spanish American	A:B	0301:5801	0.00358	2	0.00204	0.12471	1.68251	2	0.8602
Spanish American	A:B	2601:4901	0.00358	2	0.00301	0.14365	9.16054	2	0.3226
Spanish American	A:B	0211:4004	0.00358	2	0.00353	0.49639	137.49283	2	0.0287
Spanish American	A:B	3101:4002	0.00358	2	0.00255	0.08654	3.72556	2	0.5789
Spanish American	A:B	2301:1503	0.00358	2	0.00278	0.16248	5.73089	2	0.448
Spanish American	A:B	1101:5601	0.00358	2	0.00329	0.64706	21.46836	2	0.1667
Spanish American	A:B	0201:5701	0.00358	2	0.00089	0.09002	0.20968	2	1.5054
Spanish American	A:B	0101:4901	0.00358	2	0.00197	0.09884	1.47185	2	0.9032
Spanish American	A:B	0301:1401	0.00358	2	0.00297	0.45294	8.78207	2	0.3441
Spanish American	A:B	1101:1801	0.00358	2	0.0008	0.01681	0.14156	2	1.5556
Spanish American	A:B	3301:4403	0.00358	2	0.00174	0.07488	1.01539	2	1.0287
Spanish American	A:B	2501:1501	0.00358	2	0.00312	0.225	12.32673	2	0.2581
Spanish American	A:B	3101:3903	0.00358	2	0.00346	1	56.94093	2	0.0681
Spanish American	A:B	0301:4701	0.00358	2	0.00328	1	21.32644	2	0.172
Spanish American	A:B	3201:3501	0.00358	2	0.00271	0.20134	5.07056	2	0.4875

Spanish American	A:B	0101:4501	0.00358	2	0.00264	0.22757	4.51055	2	0.5269
Spanish American	A:B	0201:5102	0.00358	2	0.00281	1	7.32626	2	0.4301
Spanish American	A:B	2902:5101	0.00358	2	0.0007	0.0142	0.10484	2	1.6111
Spanish American	A:B	0205:5001	0.00358	2	0.00308	0.14679	11.07804	2	0.2796
Spanish American	A:B	0101:5201	0.00358	2	0.00197	0.09884	1.47185	2	0.9032
Spanish American	A:B	8001:1402	0.00358	2	0.00344	0.65746	47.19628	2	0.0806
Spanish American	A:B	0301:5301	0.00358	2	0.00173	0.08824	1.01446	2	1.0323
Spanish American	A:B	0101:3701	0.00346	1.9	0.00238	0.17928	3.20516	1.92847	0.6022
Spanish American	A:B	6801:4801	0.003	1.7	0.0025	0.20784	7.46064	1.6735	0.276
Spanish American	A:B	2301:5501	0.00279	1.6	0.00231	0.22479	6.53394	1.55711	0.2688
Spanish American	A:B	0101:5501	0.00259	1.4	0.00178	0.17866	2.37849	1.44289	0.4516
Spanish American	A:B	2301:5001	0.00249	1.4	0.00145	0.06513	1.20382	1.39122	0.5824
Spanish American	A:B	0201:4002	0.00241	1.3	-0.00414	-0.63249	1.92179	1.34357	3.6559
Spanish American	A:B	2402:4801	0.00238	1.3	0.00112	0.09909	0.62391	1.3265	0.7025
Spanish American	A:B	6801:4001	0.00234	1.3	0.0017	0.10995	2.69407	1.30534	0.3548
Spanish American	A:B	2402:4402	0.00228	1.3	-0.00168	-0.42431	0.45999	1.27105	2.2079
Spanish American	A:B	6801:3512	0.00219	1.2	0.00155	0.10018	2.23671	1.22091	0.3548
Spanish American	A:B	0301:5101	0.00218	1.2	-0.00259	-0.54282	0.91025	1.21916	2.6667
Spanish American	A:B	0101:4403	0.00202	1.1	-0.00351	-0.63394	1.44754	1.12965	3.086
Spanish American	A:B	0101:4402	0.00201	1.1	-0.00096	-0.32396	0.19565	1.11946	1.6559
Spanish American	A:B	0201:3512	0.00199	1.1	-0.00148	-0.42637	0.45561	1.11024	1.9355
Spanish American	A:B	0206:1501	0.00198	1.1	0.00076	0.02464	0.28874	1.10423	0.6774
Spanish American	A:B	0201:5201	0.00196	1.1	-0.00266	-0.5754	1.11241	1.09575	2.5806
Spanish American	A:B	1101:1503	0.00196	1.1	0.00097	0.0572	0.5663	1.09575	0.5556
Spanish American	A:B	0101:0702	0.00188	1	-0.00217	-0.53565	0.74043	1.04853	2.2581
Spanish American	A:B	2902:3501	0.0018	1	-0.00136	-0.43091	0.36855	1.0056	1.767
Spanish American	A:B	1101:4403	0.0018	1	-0.00228	-0.55852	0.81199	1.0056	2.2778
Spanish American	A:B	3101:1518	0.00179	1	0.00161	0.30983	8.21397	1	0.1022
Spanish American	A:B	2601:0702	0.00179	1	0.00035	0.01364	0.05045	1	0.8065
Spanish American	A:B	6801:4402	0.00179	1	0.00024	0.00628	0.02197	1	0.8674
Spanish American	A:B	0101:5001	0.00179	1	0.00004	0.00179	0.00052	1	0.9785
Spanish American	A:B	6805:3908	0.00179	1	0.00178	1	138.74865	1	0.0072

Spanish American	A:B	6801:0702	0.00179	1	-0.00033	-0.15455	0.03108	1	1.1828
Spanish American	A:B	0201:3503	0.00179	1	-0.00206	-0.535	0.79849	1	2.1505
Spanish American	A:B	2501:3924	0.00179	1	0.00177	1	68.87343	1	0.0143
Spanish American	A:B	2402:1302	0.00179	1	0.00017	0.01195	0.01171	1	0.9032
Spanish American	A:B	3101:1302	0.00179	1	0.00124	0.07978	1.65158	1	0.3065
Spanish American	A:B	2601:8101	0.00179	1	0.00155	0.1779	5.78019	1	0.1344
Spanish American	A:B	6802:0801	0.00179	1	0.00103	0.08724	0.83152	1	0.4265
Spanish American	A:B	0301:1516	0.00179	1	0.00102	0.12471	0.83365	1	0.4301
Spanish American	A:B	2425:4801	0.00179	1	0.00177	1	78.8556	1	0.0125
Spanish American	A:B	2902:8101	0.00179	1	0.00133	0.15614	2.24381	1	0.2599
Spanish American	A:B	3001:8101	0.00179	1	0.0016	0.18242	7.63878	1	0.1075
Spanish American	A:B	0202:4430	0.00179	1	0.00179	1	278.4991	1	0.0036
Spanish American	A:B	6803:4002	0.00179	1	0.00146	0.14048	3.80914	1	0.1828
Spanish American	A:B	3102:4002	0.00179	1	0.00174	1	31.88066	1	0.0305
Spanish American	A:B	3001:5301	0.00179	1	0.00133	0.06319	2.22786	1	0.2581
Spanish American	A:B	3201:4403	0.00179	1	0.00074	0.05561	0.31649	1	0.5878
Spanish American	A:B	2402:1518	0.00179	1	0.00125	0.25896	1.81325	1	0.3011
Spanish American	A:B	3101:1507	0.00179	1	0.00173	1	28.41935	1	0.0341
Spanish American	A:B	3002:3501	0.00179	1	-0.00006	-0.0346	0.00136	1	1.0358
Spanish American	A:B	0204:1801	0.00179	1	0.00143	0.21038	3.37521	1	0.2007
Spanish American	A:B	3002:1402	0.00179	1	0.00097	0.03734	0.68388	1	0.457
Spanish American	A:B	0101:3905	0.00179	1	0.00017	0.00872	0.01146	1	0.9032
Spanish American	A:B	0301:5701	0.00179	1	0.00071	0.06218	0.29126	1	0.6022
Spanish American	A:B	3002:1516	0.00179	1	0.00152	0.17486	4.90925	1	0.1523
Spanish American	A:B	0222:3501	0.00179	1	0.00168	1	15.43943	1	0.0609
Spanish American	A:B	0217:3504	0.00179	1	0.00178	1	138.74865	1	0.0072
Spanish American	A:B	0101:5701	0.00179	1	0.00085	0.07309	0.46526	1	0.5269
Spanish American	A:B	0201:1517	0.00179	1	0.00102	0.36301	0.96545	1	0.4301
Spanish American	A:B	0201:1402	0.00179	1	-0.00399	-0.69	2.01062	1	3.2258
Spanish American	A:B	6602:5801	0.00179	1	0.00176	1	54.89838	1	0.0179
Spanish American	A:B	0204:3905	0.00179	1	0.00164	0.23352	9.99611	1	0.086
Spanish American	A:B	2301:3906	0.00179	1	0.00115	0.08396	1.21978	1	0.3584

Spanish American	A:B	1105:5401	0.00179	1	0.00179	1	558	1	0.0018
Spanish American	A:B	3201:4002	0.00179	1	0.00136	0.0975	2.45561	1	0.2437
Spanish American	A:B	2601:1501	0.00179	1	0.00092	0.03556	0.5846	1	0.4839
Spanish American	A:B	3001:1517	0.00179	1	0.00172	0.48901	21.83927	1	0.043
Spanish American	A:B	2902:4001	0.00179	1	0.00095	0.06238	0.64935	1	0.4677
Spanish American	A:B	3303:8101	0.00179	1	0.00173	0.24322	26.3593	1	0.0358
Spanish American	A:B	6802:1402	0.00179	1	0.00145	0.11918	3.64494	1	0.1882
Spanish American	A:B	2501:5702	0.00179	1	0.00177	1	68.87343	1	0.0143
Spanish American	A:B	2301:5801	0.00179	1	0.00099	0.05779	0.72492	1	0.448
Spanish American	A:B	6802:1401	0.00179	1	0.0017	0.24047	18.33862	1	0.0502
Spanish American	A:B	2305:0702	0.00179	1	0.0017	1	17.6316	1	0.0538
Spanish American	A:B	2402:3543	0.00179	1	0.00143	0.44422	3.55065	1	0.2007
Spanish American	A:B	3301:2705	0.00179	1	0.00125	0.05974	1.70084	1	0.3011
Spanish American	A:B	3101:1516	0.00179	1	0.00149	0.1718	4.22434	1	0.1703
Spanish American	A:B	3101:1501	0.00179	1	0.00069	0.02226	0.26154	1	0.6129
Spanish American	A:B	3004:1501	0.00179	1	0.00162	0.31111	8.7582	1	0.0968
Spanish American	A:B	2402:0801	0.00179	1	-0.00432	-0.70693	2.01847	1	3.4122
Spanish American	A:B	6802:1503	0.00179	1	0.00157	0.12722	6.287	1	0.1254
Spanish American	A:B	3004:0702	0.00179	1	0.0015	0.29545	4.634	1	0.1613
Spanish American	A:B	0101:5301	0.00179	1	0.00017	0.00872	0.01146	1	0.9032
Spanish American	A:B	3002:1503	0.00179	1	0.00125	0.07172	1.66675	1	0.3047
Spanish American	A:B	2601:5501	0.00179	1	0.0015	0.14365	4.53048	1	0.1613
Spanish American	A:B	0201:5501	0.00179	1	-0.00052	-0.225	0.08412	1	1.2903
Spanish American	A:B	2902:4901	0.00179	1	0.00067	0.03308	0.24482	1	0.6237
Spanish American	A:B	7401:4801	0.00179	1	0.00168	0.18984	14.31175	1	0.0627
Spanish American	A:B	3301:5001	0.00179	1	0.00121	0.05317	1.46199	1	0.3262
Spanish American	A:B	2403:0702	0.00179	1	0.0016	0.47159	7.85657	1	0.1075
Spanish American	A:B	0205:4004	0.00179	1	0.00164	0.23352	9.99611	1	0.086
Spanish American	A:B	0205:4101	0.00179	1	0.0016	0.18242	7.63878	1	0.1075
Spanish American	A:B	3201:4101	0.00179	1	0.00166	0.18836	12.30682	1	0.0717
Spanish American	A:B	0205:5703	0.00179	1	0.00156	0.14835	6.07355	1	0.129
Spanish American	A:B	2403:3501	0.00179	1	0.00157	0.46756	6.76256	1	0.1219

Spanish American	A:B	0101:3508	0.00179	1	0.00166	1	12.30777	1	0.0753
Spanish American	A:B	2601:2705	0.00179	1	0.00121	0.05801	1.49401	1	0.3226
Spanish American	A:B	0217:1540	0.00179	1	0.00178	1	138.74865	1	0.0072
Spanish American	A:B	1101:3920	0.00179	1	0.00169	1	17.03052	1	0.0556
Spanish American	A:B	2402:5301	0.00179	1	-0.00037	-0.16964	0.03937	1	1.2043
Spanish American	A:B	7401:2705	0.00179	1	0.0016	0.18242	7.63878	1	0.1075
Spanish American	A:B	0101:1401	0.00179	1	0.00125	0.18895	1.76724	1	0.3011
Spanish American	A:B	0301:3512	0.00179	1	0.0004	0.02745	0.07324	1	0.7742
Spanish American	A:B	6801:1518	0.00179	1	0.00158	0.30597	6.87959	1	0.1183
Spanish American	A:B	0204:5701	0.00179	1	0.0017	0.24047	18.33862	1	0.0502
Spanish American	A:B	7401:8101	0.00179	1	0.00171	0.19277	20.73473	1	0.0448
Spanish American	A:B	3303:5801	0.00179	1	0.00166	0.23631	12.32944	1	0.0717
Spanish American	A:B	2501:5701	0.00179	1	0.00161	0.13039	8.28589	1	0.1004
Spanish American	A:B	0201:4101	0.00179	1	-0.00013	-0.07	0.00677	1	1.0753
Spanish American	A:B	8001:4403	0.00179	1	0.0014	0.28046	2.99174	1	0.2204
Spanish American	A:B	0217:3505	0.00179	1	0.00177	0.49639	68.49913	1	0.0143
Spanish American	A:B	0201:4005	0.00179	1	0.00141	1	3.65655	1	0.2151
Spanish American	A:B	0201:4201	0.00179	1	0.00102	0.36301	0.96545	1	0.4301
Spanish American	A:B	3002:1804	0.00179	1	0.00174	1	31.88066	1	0.0305
Spanish American	A:B	0211:3905	0.00179	1	0.00164	0.23352	9.99611	1	0.086
Spanish American	A:B	3002:7801	0.00179	1	0.00163	0.31238	9.36677	1	0.0914
Spanish American	A:B	1101:2702	0.00179	1	0.00159	0.47059	7.5565	1	0.1111
Spanish American	A:B	3201:5801	0.00179	1	0.00154	0.10903	5.28758	1	0.1434
Spanish American	A:B	6801:4004	0.00179	1	0.00151	0.21922	4.71707	1	0.1577
Spanish American	A:B	2402:4501	0.00179	1	0.00053	0.04724	0.14181	1	0.7025
Spanish American	A:B	2402:5703	0.00179	1	0.00071	0.07371	0.29536	1	0.6022
Spanish American	A:B	0102:5703	0.00179	1	0.00177	1	92.16517	1	0.0108
Spanish American	A:B	3101:5703	0.00179	1	0.00143	0.13729	3.24315	1	0.2043
Spanish American	A:B	3001:4002	0.00179	1	0.00114	0.05453	1.16043	1	0.3656
Spanish American	A:B	3001:5001	0.00179	1	0.00129	0.06147	1.94255	1	0.2796
Spanish American	A:B	3303:1801	0.00179	1	0.00143	0.21038	3.37521	1	0.2007
Spanish American	A:B	0204:4403	0.00179	1	0.00127	0.19052	1.84409	1	0.2939

Spanish American	A:B	3004:4002	0.00179	1	0.00163	0.31238	9.36677	1	0.0914
Spanish American	A:B	0302:0702	0.00179	1	0.0017	1	17.6316	1	0.0538
Spanish American	A:B	2402:3902	0.00179	1	0.00143	0.44422	3.55065	1	0.2007
Spanish American	A:B	2301:2702	0.00179	1	0.00163	0.47655	9.71828	1	0.0896
Spanish American	A:B	3101:3905	0.00179	1	0.00106	0.05102	0.90562	1	0.4086
Spanish American	A:B	3101:2705	0.00179	1	0.00106	0.05102	0.90562	1	0.4086
Spanish American	A:B	3001:1516	0.00179	1	0.0016	0.18242	7.63878	1	0.1075
Spanish American	A:B	3301:5802	0.00179	1	0.00166	0.31618	11.71635	1	0.0753
Spanish American	A:B	0201:5601	0.00179	1	0.00064	0.15068	0.24997	1	0.6452
Spanish American	A:B	0213:3502	0.00179	1	0.00177	1	92.16517	1	0.0108
Spanish American	A:B	7401:4101	0.00179	1	0.00171	0.19277	20.73473	1	0.0448
Spanish American	A:B	2301:1515	0.00179	1	0.00123	0.10265	1.59263	1	0.3136
Spanish American	A:B	0201:5002	0.00179	1	0.00102	0.36301	0.96545	1	0.4301
Spanish American	A:B	3001:4201	0.00179	1	0.00172	0.48901	21.83927	1	0.043
Spanish American	A:B	2402:3531	0.00179	1	0.00161	1	8.98038	1	0.1004
Spanish American	A:B	0205:1302	0.00179	1	0.00145	0.09158	3.49036	1	0.1935
Spanish American	A:B	3101:5501	0.00179	1	0.00143	0.13729	3.24315	1	0.2043
Spanish American	A:B	3002:5301	0.00179	1	0.00114	0.05453	1.16043	1	0.3656
Spanish American	A:B	3001:0705	0.00179	1	0.00172	0.48901	21.83927	1	0.043
Spanish American	A:B	0217:5701	0.00179	1	0.0017	0.24047	18.33862	1	0.0502
Spanish American	A:B	3002:5703	0.00179	1	0.00146	0.14048	3.80914	1	0.1828
Spanish American	A:B	0211:5101	0.00179	1	0.00139	0.20588	2.90316	1	0.2222
Spanish American	A:B	3402:4403	0.00179	1	0.00153	0.46035	5.36375	1	0.147
Spanish American	A:B	3001:5801	0.00179	1	0.00141	0.08022	2.98145	1	0.2151
Spanish American	A:B	3303:5703	0.00179	1	0.00172	0.24185	21.67987	1	0.043
Spanish American	A:B	0201:3902	0.00179	1	0.00102	0.36301	0.96545	1	0.4301
Spanish American	A:B	3402:5301	0.00179	1	0.00172	0.48901	21.83927	1	0.043
Spanish American	A:B	0202:1516	0.00179	1	0.00176	0.49548	54.49986	1	0.0179
Spanish American	A:B	2301:2703	0.00179	1	0.00171	1	21.35828	1	0.0448
Spanish American	A:B	6901:4901	0.00179	1	0.00175	1	45.58169	1	0.0215
Spanish American	A:B	0206:3512	0.00179	1	0.00119	0.07635	1.36357	1	0.3387
Spanish American	A:B	0206:4101	0.00179	1	0.00145	0.16872	3.67233	1	0.1882



Spanish American	A:B	2301:3505	0.00179	1	0.00163	0.47655	9.71828	1	0.0896
Spanish American	A:B	0205:1503	0.00179	1	0.00141	0.08022	2.98145	1	0.2151
Spanish American	A:B	0301:3502	0.00179	1	0.00087	0.08824	0.50172	1	0.5161
Spanish American	A:B	7401:5108	0.00179	1	0.00178	1	110.79856	1	0.009
Spanish American	A:B	2301:0705	0.00179	1	0.00163	0.47655	9.71828	1	0.0896
Spanish American	A:B	3201:5002	0.00179	1	0.00174	0.49273	33.50235	1	0.0287
Spanish American	A:B	3201:0801	0.00179	1	0.00092	0.06823	0.58224	1	0.4875
Spanish American	A:B	0206:3543	0.00179	1	0.00166	0.48045	11.84767	1	0.0753
Spanish American	A:B	6801:1515	0.00179	1	0.0013	0.10767	2.00216	0.99995	0.276
Spanish American	A:B	0101:1302	0.00156	0.9	0.00035	0.02318	0.06039	0.87035	0.6774
Spanish American	A:B	2402:4403	0.00131	0.7	-0.00607	-0.82284	3.3423	0.72895	4.1147
Spanish American	A:C	0101:0701	0.03568	19.9	0.02665	0.40231	53.87254	19.91127	5.043
Spanish American	A:C	0201:0702	0.03563	19.9	0.0125	0.14812	5.38387	19.87935	12.9032
Spanish American	A:C	2902:1601	0.03339	18.6	0.03032	0.61999	187.06365	18.63141	1.7151
Spanish American	A:C	0201:0501	0.03193	17.8	0.02075	0.50871	28.89467	17.81665	6.2366
Spanish American	A:C	0201:0701	0.02824	15.8	0.00242	0.02569	0.18338	15.75953	14.4086
Spanish American	A:C	2402:0401	0.02672	14.9	0.01125	0.13253	6.0004	14.90859	8.6308
Spanish American	A:C	0201:0602	0.02383	13.3	0.0061	0.09424	1.62527	13.29541	9.8925
Spanish American	A:C	0301:0702	0.01944	10.8	0.01019	0.13272	7.67791	10.84676	5.1613
Spanish American	A:C	0201:0304	0.01901	10.6	0.00629	0.13544	2.34844	10.60512	7.0968
Spanish American	A:C	1101:0401	0.01687	9.4	0.00831	0.17677	5.62939	9.41316	4.7778
Spanish American	A:C	2301:0401	0.01503	8.4	0.00813	0.21441	6.60358	8.38716	3.853
Spanish American	A:C	6801:0304	0.01434	8	0.01201	0.32364	38.16384	8	1.3011
Spanish American	A:C	0301:0602	0.01429	8	0.0072	0.09556	4.8645	7.97478	3.957
Spanish American	A:C	3301:0802	0.01254	7	0.01174	0.48333	100.64173	7	0.4516
Spanish American	A:C	0201:0401	0.01239	6.9	-0.02076	-0.62633	10.92692	6.91097	18.4946
Spanish American	A:C	2402:0202	0.011	6.1	0.00669	0.1728	6.71298	6.13963	2.4086
Spanish American	A:C	0201:0303	0.01075	6	0.00613	0.36301	5.89877	6	2.5806
Spanish American	A:C	2402:0701	0.01042	5.8	-0.00163	-0.13511	0.15506	5.81552	6.724
Spanish American	A:C	0205:0701	0.01039	5.8	0.00781	0.41252	15.29384	5.7967	1.4409
Spanish American	A:C	0301:0401	0.01034	5.8	-0.00291	-0.21983	0.46243	5.77157	7.3978
Spanish American	A:C	0201:0102	0.01034	5.8	0.00032	0.00863	0.00742	5.76758	5.5914

Spanish American	A:C	0101:0602	0.01028	5.7	0.00408	0.05901	1.76056	5.73661	3.4624
Spanish American	A:C	2402:0102	0.01006	5.6	0.00538	0.12835	4.02722	5.61152	2.6093
Spanish American	A:C	0301:1203	0.00997	5.6	0.00581	0.13138	5.20357	5.56474	2.3226
Spanish American	A:C	2601:1203	0.0097	5.4	0.00839	0.32815	32.64421	5.40991	0.7258
Spanish American	A:C	0206:0102	0.00966	5.4	0.0079	0.22026	21.662	5.38848	0.9785
Spanish American	A:C	0101:0401	0.00962	5.4	-0.00198	-0.17068	0.24107	5.3683	6.4731
Spanish American	A:C	6803:0702	0.00896	5	0.0078	0.81325	33.29476	5	0.6452
Spanish American	A:C	3002:0501	0.00896	5	0.00738	0.25542	20.86682	5	0.8835
Spanish American	A:C	3001:0602	0.00896	5	0.00719	0.36426	18.11143	5	0.9892
Spanish American	A:C	2402:1502	0.00896	5	0.0059	0.21537	7.291	5	1.7061
Spanish American	A:C	1101:0202	0.00859	4.8	0.0062	0.15256	9.92233	4.79128	1.3333
Spanish American	A:C	2402:1203	0.00811	4.5	0.00326	0.07485	1.42494	4.5278	2.7097
Spanish American	A:C	2902:0401	0.00771	4.3	-0.0003	-0.03792	0.00801	4.30004	4.4695
Spanish American	A:C	2402:0602	0.00763	4.3	-0.00064	-0.07719	0.03333	4.26012	4.6165
Spanish American	A:C	3101:0401	0.00751	4.2	0.00226	0.07859	0.66669	4.19131	2.9283
Spanish American	A:C	0206:0702	0.00741	4.1	0.00337	0.10023	1.81936	4.13649	2.2581
Spanish American	A:C	1101:0701	0.00739	4.1	0.00072	0.01478	0.05257	4.12547	3.7222
Spanish American	A:C	6801:0401	0.00717	4	0.00109	0.03274	0.13476	4	3.3907
Spanish American	A:C	0206:0801	0.00717	4	0.00656	0.42272	41.79867	4	0.3387
Spanish American	A:C	3201:0401	0.00717	4	0.00496	0.4089	7.44793	4	1.233
Spanish American	A:C	3002:0401	0.00717	4	0.00247	0.09596	0.88619	4	2.6201
Spanish American	A:C	0201:1402	0.00717	4	0.00331	0.23562	2.06328	4	2.1505
Spanish American	A:C	0201:1203	0.00716	4	-0.00325	-0.31205	0.75695	3.99454	5.8065
Spanish American	A:C	2301:0702	0.00706	3.9	0.00224	0.056	0.68123	3.93763	2.6882
Spanish American	A:C	2501:1203	0.00658	3.7	0.00589	0.43148	29.71817	3.67194	0.3871
Spanish American	A:C	0101:1601	0.00631	3.5	0.00186	0.03392	0.49581	3.519	2.4839
Spanish American	A:C	2601:0602	0.00609	3.4	0.00388	0.15722	4.24108	3.4005	1.2366
Spanish American	A:C	1101:0102	0.00601	3.4	0.00343	0.07785	2.80962	3.35606	1.4444
Spanish American	A:C	3101:0702	0.00583	3.3	0.00217	0.0713	0.82999	3.25207	2.043
Spanish American	A:C	1101:0304	0.0057	3.2	0.00241	0.04619	1.11396	3.18045	1.8333
Spanish American	A:C	3301:1601	0.00538	3	0.00389	0.1649	6.21211	3	0.828
Spanish American	A:C	3101:0501	0.00538	3	0.00361	0.11173	4.47917	3	0.9875

Spanish American	A:C	0201:0210	0.00538	3	0.00152	0.10822	0.43527	3	2.1505
Spanish American	A:C	2402:0305	0.00538	3	0.0043	0.44422	10.72913	3	0.6022
Spanish American	A:C	2601:0701	0.00538	3	0.00215	0.09084	0.93205	3	1.8011
Spanish American	A:C	3004:0701	0.00538	3	0.00473	1	22.10391	3	0.3602
Spanish American	A:C	0205:0602	0.00538	3	0.0036	0.18262	4.55217	3	0.9892
Spanish American	A:C	0206:0401	0.00538	3	-0.00042	-0.07309	0.02124	3	3.2366
Spanish American	A:C	0301:0202	0.00534	3	0.00164	0.04172	0.46379	2.97967	2.0645
Spanish American	A:C	2301:0210	0.0051	2.8	0.0043	0.25102	13.67858	2.84572	0.448
Spanish American	A:C	2402:0702	0.0049	2.7	-0.00589	-0.54549	2.2316	2.73683	6.0215
Spanish American	A:C	0201:1601	0.00486	2.7	-0.00786	-0.61784	3.6681	2.71213	7.0968
Spanish American	A:C	2301:0701	0.00442	2.5	-0.00096	-0.17754	0.11257	2.46887	3.0018
Spanish American	A:C	0301:0802	0.0043	2.4	0.00153	0.05182	0.53071	2.40093	1.5484
Spanish American	A:C	2601:0401	0.00392	2.2	-0.00022	-0.05288	0.00785	2.18959	2.3118
Spanish American	A:C	0201:1502	0.00379	2.1	-0.00276	-0.42183	0.85482	2.11373	3.6559
Spanish American	A:C	0201:1509	0.00358	2	0.00243	0.57535	3.64429	2.00001	0.6452
Spanish American	A:C	3001:0701	0.00358	2	0.001	0.05295	0.25201	2	1.4409
Spanish American	A:C	3201:0701	0.00358	2	0.00186	0.14766	1.29682	2	0.9606
Spanish American	A:C	6801:1402	0.00358	2	0.00288	0.16716	6.93238	2	0.3943
Spanish American	A:C	0201:0302	0.00358	2	0.00166	0.23562	1.02231	2	1.0753
Spanish American	A:C	0211:0304	0.00358	2	0.00316	0.46857	14.07283	2	0.2366
Spanish American	A:C	0217:0305	0.00358	2	0.00351	0.49457	90.66077	2	0.043
Spanish American	A:C	0301:0303	0.00358	2	0.00173	0.08824	1.01446	2	1.0323
Spanish American	A:C	3303:1801	0.00358	2	0.00347	0.4918	59.4425	2	0.0645
Spanish American	A:C	6802:0802	0.00358	2	0.00318	0.2619	14.58776	2	0.2258
Spanish American	A:C	3301:0202	0.00358	2	0.00251	0.10433	3.47812	2	0.6022
Spanish American	A:C	6801:0801	0.00358	2	0.00295	0.1903	8.07081	2	0.3548
Spanish American	A:C	7401:0304	0.00358	2	0.00305	0.36229	10.53481	2	0.2957
Spanish American	A:C	6802:0401	0.00358	2	0.00165	0.15557	0.94161	2	1.0789
Spanish American	A:C	2902:1502	0.00358	2	0.002	0.06928	1.53501	2	0.8835
Spanish American	A:C	3402:0401	0.00358	2	0.00303	1	11.01623	2	0.3082
Spanish American	A:C	0101:1202	0.00358	2	0.00304	0.4593	10.44196	2	0.3011
Spanish American	A:C	3101:0303	0.00358	2	0.00285	0.13729	6.55758	2	0.4086

Spanish American	A:C	6801:0704	0.0035	2	0.003	0.24904	10.71154	1.95052	0.276
Spanish American	A:C	3101:1502	0.00338	1.9	0.00234	0.07962	3.15315	1.88627	0.5789
Spanish American	A:C	8001:0802	0.00336	1.9	0.00319	0.61331	34.03649	1.87735	0.0968
Spanish American	A:C	1101:0602	0.00334	1.9	-0.00124	-0.27066	0.21603	1.86387	2.5556
Spanish American	A:C	2501:0401	0.00333	1.9	0.00112	0.09256	0.38167	1.85936	1.233
Spanish American	A:C	1101:1203	0.00328	1.8	0.00059	0.01298	0.08131	1.83108	1.5
Spanish American	A:C	0201:0802	0.00309	1.7	-0.00385	-0.55522	1.57093	1.72171	3.871
Spanish American	A:C	0301:0102	0.003	1.7	-0.00101	-0.25194	0.16291	1.67308	2.2366
Spanish American	A:C	0301:1601	0.00288	1.6	-0.00221	-0.43359	0.6206	1.60789	2.8387
Spanish American	A:C	0206:0202	0.00264	1.5	0.00102	0.02845	0.39305	1.47502	0.9032
Spanish American	A:C	3101:0202	0.00261	1.5	0.00114	0.03513	0.54009	1.45595	0.8172
Spanish American	A:C	2902:0702	0.00258	1.4	-0.00301	-0.53779	1.06592	1.4413	3.1183
Spanish American	A:C	0201:0202	0.00255	1.4	-0.0067	-0.72424	3.60393	1.42328	5.1613
Spanish American	A:C	2403:1601	0.00233	1.3	0.00212	0.62802	12.59466	1.30004	0.1183
Spanish American	A:C	0101:0702	0.0023	1.3	-0.0058	-0.71624	2.80723	1.28148	4.5161
Spanish American	A:C	2301:1601	0.0022	1.2	-0.00045	-0.16839	0.04665	1.22953	1.4785
Spanish American	A:C	3101:0304	0.00218	1.2	0.00016	0.00508	0.00806	1.2144	1.1237
Spanish American	A:C	0205:0102	0.00216	1.2	0.00115	0.0563	0.79542	1.20327	0.5591
Spanish American	A:C	0101:0501	0.00212	1.2	-0.00179	-0.45788	0.522	1.18334	2.1828
Spanish American	A:C	0301:0210	0.00203	1.1	0.00049	0.02964	0.09504	1.1311	0.8602
Spanish American	A:C	2301:0202	0.00203	1.1	0.0001	0.00244	0.00317	1.1311	1.0753
Spanish American	A:C	8001:0701	0.00201	1.1	0.00137	0.28882	1.84388	1.12265	0.3602
Spanish American	A:C	0301:0704	0.00188	1	0.0008	0.06992	0.36822	1.04948	0.6022
Spanish American	A:C	6801:0702	0.00188	1	-0.00236	-0.55635	0.85412	1.04948	2.3656
Spanish American	A:C	2902:0210	0.00183	1	0.0009	0.05311	0.52385	1.02318	0.5197
Spanish American	A:C	6801:0306	0.00179	1	0.00165	0.47948	11.24264	1	0.0789
Spanish American	A:C	0206:1502	0.00179	1	0.00065	0.02202	0.21736	1	0.6398
Spanish American	A:C	1101:0704	0.00179	1	0.0011	0.09244	1.02972	1	0.3889
Spanish American	A:C	3002:0702	0.00179	1	-0.00148	-0.45294	0.4334	1	1.828
Spanish American	A:C	6801:0501	0.00179	1	-0.00026	-0.12539	0.01974	1	1.1434
Spanish American	A:C	0301:1205	0.00179	1	0.00164	1	10.64408	1	0.086
Spanish American	A:C	6805:0702	0.00179	1	0.0016	1	8.3149	1	0.1075

Spanish American	A:C	2601:0304	0.00179	1	0.0002	0.008	0.01569	1	0.8871
Spanish American	A:C	6802:1801	0.00179	1	0.00159	0.12881	7.17431	1	0.1129
Spanish American	A:C	0301:1402	0.00179	1	0.00025	0.01529	0.02531	1	0.8602
Spanish American	A:C	2425:0801	0.00179	1	0.00176	1	61.10952	1	0.0161
Spanish American	A:C	3601:1801	0.00179	1	0.00173	0.4918	29.61434	1	0.0323
Spanish American	A:C	3601:0401	0.00179	1	0.00124	0.4089	1.84189	1	0.3082
Spanish American	A:C	3001:1801	0.00179	1	0.00145	0.09158	3.49036	1	0.1935
Spanish American	A:C	0202:0702	0.00179	1	0.00141	0.43976	3.22179	1	0.2151
Spanish American	A:C	6803:0305	0.00179	1	0.00168	0.15761	13.861	1	0.0645
Spanish American	A:C	2301:0704	0.00179	1	0.00123	0.10265	1.59263	1	0.3136
Spanish American	A:C	3102:0306	0.00179	1	0.00179	1	278.4991	1	0.0036
Spanish American	A:C	2402:0704	0.00179	1	0.00053	0.04724	0.14181	1	0.7025
Spanish American	A:C	3101:0102	0.00179	1	0.00021	0.00633	0.01613	1	0.8853
Spanish American	A:C	0204:1502	0.00179	1	0.00157	0.22643	6.57371	1	0.1219
Spanish American	A:C	3002:0802	0.00179	1	0.00081	0.02745	0.39639	1	0.5484
Spanish American	A:C	1101:1202	0.00179	1	0.00139	0.20588	2.90316	1	0.2222
Spanish American	A:C	0301:1202	0.00179	1	0.00118	0.17941	1.37789	1	0.3441
Spanish American	A:C	0222:0401	0.00179	1	0.00152	1	5.49823	1	0.1541
Spanish American	A:C	0204:1602	0.00179	1	0.00173	0.24322	26.3593	1	0.0358
Spanish American	A:C	6801:1502	0.00179	1	0.00059	0.02019	0.1742	1	0.6703
Spanish American	A:C	1105:0102	0.00179	1	0.00171	1	20.49827	1	0.0466
Spanish American	A:C	3201:1502	0.00179	1	0.00136	0.0975	2.45561	1	0.2437
Spanish American	A:C	2301:0302	0.00179	1	0.00139	0.16248	2.83954	1	0.224
Spanish American	A:C	2305:0702	0.00179	1	0.0016	1	8.3149	1	0.1075
Spanish American	A:C	2501:1402	0.00179	1	0.00154	0.10903	5.28758	1	0.1434
Spanish American	A:C	3101:1602	0.00179	1	0.00149	0.1718	4.22434	1	0.1703
Spanish American	A:C	2402:0304	0.00179	1	-0.00414	-0.69805	1.90655	1	3.3118
Spanish American	A:C	6802:0210	0.00179	1	0.00157	0.12722	6.287	1	0.1254
Spanish American	A:C	0101:0802	0.00179	1	-0.00064	-0.2619	0.10385	1	1.3548
Spanish American	A:C	0301:1602	0.00179	1	0.00102	0.12471	0.83365	1	0.4301
Spanish American	A:C	3002:0210	0.00179	1	0.00125	0.07172	1.66675	1	0.3047
Spanish American	A:C	0206:0304	0.00179	1	-0.00043	-0.19481	0.05205	1	1.2419

Spanish American	A:C	3301:0602	0.00179	1	-0.00028	-0.13354	0.02301	1	1.1541
Spanish American	A:C	3201:1701	0.00179	1	0.00166	0.18836	12.30682	1	0.0717
Spanish American	A:C	0301:1801	0.00179	1	0.0004	0.02745	0.07324	1	0.7742
Spanish American	A:C	3002:0701	0.00179	1	-0.00187	-0.5101	0.62256	1	2.0412
Spanish American	A:C	0101:0801	0.00179	1	0.00058	0.03876	0.16884	1	0.6774
Spanish American	A:C	0217:0303	0.00179	1	0.00164	0.23352	9.99611	1	0.086
Spanish American	A:C	7401:0202	0.00179	1	0.00141	0.16404	3.02089	1	0.2151
Spanish American	A:C	0204:0802	0.00179	1	0.00156	0.225	6.11886	1	0.129
Spanish American	A:C	7401:1801	0.00179	1	0.00165	0.18689	10.74877	1	0.0806
Spanish American	A:C	0101:0102	0.00179	1	-0.00172	-0.48901	0.5308	1	1.957
Spanish American	A:C	3303:0302	0.00179	1	0.00173	0.24322	26.3593	1	0.0358
Spanish American	A:C	2402:1701	0.00179	1	0.00089	0.11076	0.5548	1	0.5018
Spanish American	A:C	0201:1701	0.00179	1	-0.00013	-0.07	0.00677	1	1.0753
Spanish American	A:C	2402:1602	0.00179	1	0.00089	0.11076	0.5548	1	0.5018
Spanish American	A:C	0217:1601	0.00179	1	0.00137	0.20286	2.63761	1	0.2366
Spanish American	A:C	3002:1212	0.00179	1	0.00174	1	31.88066	1	0.0305
Spanish American	A:C	0211:0702	0.00179	1	0.00102	0.15964	0.85219	1	0.4301
Spanish American	A:C	3002:0704	0.00179	1	0.00141	0.11592	3.03157	1	0.2133
Spanish American	A:C	2301:0304	0.00179	1	-0.00086	-0.32364	0.17231	1	1.4785
Spanish American	A:C	0102:1801	0.00179	1	0.00176	1	61.10952	1	0.0161
Spanish American	A:C	3001:0202	0.00179	1	0.00087	0.04213	0.48443	1	0.5161
Spanish American	A:C	2501:0501	0.00179	1	0.00105	0.07703	0.87854	1	0.4158
Spanish American	A:C	3303:1203	0.00179	1	0.00145	0.21186	3.55657	1	0.1935
Spanish American	A:C	0204:0304	0.00179	1	0.00137	0.20286	2.63761	1	0.2366
Spanish American	A:C	0302:0702	0.00179	1	0.0016	1	8.3149	1	0.1075
Spanish American	A:C	3301:1402	0.00179	1	0.00134	0.07684	2.33603	1	0.2509
Spanish American	A:C	0213:1502	0.00179	1	0.00174	1	31.88066	1	0.0305
Spanish American	A:C	2301:1406	0.00179	1	0.00171	1	21.35828	1	0.0448
Spanish American	A:C	3001:1701	0.00179	1	0.0016	0.18242	7.63878	1	0.1075
Spanish American	A:C	3001:1505	0.00179	1	0.00172	0.48901	21.83927	1	0.043
Spanish American	A:C	3002:1801	0.00179	1	0.0013	0.08318	2.01411	1	0.2742
Spanish American	A:C	0211:1502	0.00179	1	0.00157	0.22643	6.57371	1	0.1219

Spanish American	A:C	3001:0302	0.00179	1	0.0016	0.18242	7.63878	1	0.1075
Spanish American	A:C	0202:1402	0.00179	1	0.00173	0.49088	26.50412	1	0.0358
Spanish American	A:C	6901:0401	0.00179	1	0.00152	1	5.49823	1	0.1541
Spanish American	A:C	0206:1701	0.00179	1	0.00145	0.16872	3.67233	1	0.1882
Spanish American	A:C	0205:1203	0.00179	1	0.00075	0.03672	0.32526	1	0.5806
Spanish American	A:C	7401:1602	0.00179	1	0.00171	0.19277	20.73473	1	0.0448
Spanish American	A:C	6802:1505	0.00179	1	0.00175	0.49365	38.50149	1	0.0251
Spanish American	A:C	3002:0801	0.00179	1	0.0013	0.08318	2.01411	1	0.2742
Spanish American	A:C	2301:0303	0.00179	1	0.00083	0.04034	0.42543	1	0.5376
Spanish American	A:C	6602:0701	0.00179	1	0.00158	1	7.34148	1	0.1201
Spanish American	A:C	2902:0304	0.00179	1	-0.00128	-0.41693	0.33424	1	1.7151
Spanish American	A:C	0205:1509	0.00179	1	0.00168	0.31868	13.93737	0.99999	0.0645
Spanish American	A:C	2403:0401	0.00125	0.7	0.0007	0.23154	0.5906	0.69996	0.3082
Spanish American	A:C	2902:0202	0.00108	0.6	-0.00115	-0.5157	0.36563	0.60407	1.2473
Spanish American	A:C	2501:0602	0.00084	0.5	-0.00034	-0.28931	0.06104	0.4687	0.6595
Spanish American	A:C	1101:0702	0.00079	0.4	-0.00519	-0.86841	2.98236	0.43862	3.3333
Spanish American	A:DRB1	0201:0301	0.0327	18.2	0.0142	0.21031	8.4781	18.24634	10.3226
Spanish American	A:DRB1	2902:0701	0.0293	16.3	0.02306	0.50415	56.97747	16.34695	3.4821
Spanish American	A:DRB1	0101:0301	0.02028	11.3	0.0138	0.20066	19.43116	11.31579	3.6129
Spanish American	A:DRB1	0206:0802	0.01846	10.3	0.01657	0.46367	88.79964	10.30219	1.0538
Spanish American	A:DRB1	0201:1301	0.01754	9.8	0.00559	0.12827	1.97126	9.78796	6.6667
Spanish American	A:DRB1	0201:0701	0.01752	9.8	-0.00831	-0.32165	2.15825	9.77407	14.4086
Spanish American	A:DRB1	0301:0701	0.01716	9.6	0.00683	0.0903	3.1381	9.57731	5.7634
Spanish American	A:DRB1	0201:1501	0.01645	9.2	0.00257	0.05083	0.36293	9.17833	7.7419
Spanish American	A:DRB1	1101:0101	0.01608	9	0.013	0.24771	34.23819	8.97453	1.7222
Spanish American	A:DRB1	0201:0401	0.01559	8.7	0.01058	0.57835	16.25021	8.69738	2.7957
Spanish American	A:DRB1	2402:0407	0.01509	8.4	0.00898	0.16374	8.70139	8.42053	3.4122
Spanish American	A:DRB1	3002:0301	0.01434	8	0.01172	0.42076	32.9827	8	1.4624
Spanish American	A:DRB1	3301:0102	0.01434	8	0.01335	0.55384	107.31758	8	0.552
Spanish American	A:DRB1	0301:0101	0.01401	7.8	0.00923	0.18175	11.52016	7.81622	2.6667
Spanish American	A:DRB1	2402:0404	0.01395	7.8	0.0091	0.209	11.10949	7.78625	2.7097
Spanish American	A:DRB1	0201:0407	0.01384	7.7	0.00074	0.01544	0.03149	7.7238	7.3118

Spanish American	A:DRB1	2402:0701	0.01291	7.2	0.00086	0.00976	0.04348	7.2051	6.724
Spanish American	A:DRB1	0101:1501	0.01283	7.2	0.00798	0.1337	8.45131	7.16057	2.7097
Spanish American	A:DRB1	0201:1104	0.01254	7	0.00638	0.28339	4.82856	7	3.4409
Spanish American	A:DRB1	0101:0701	0.01194	6.7	0.0029	0.04384	0.63984	6.66338	5.043
Spanish American	A:DRB1	0301:1501	0.01135	6.3	0.0058	0.09838	3.95743	6.33381	3.0968
Spanish American	A:DRB1	0201:1101	0.01092	6.1	0.00206	0.06355	0.3536	6.09353	4.9462
Spanish American	A:DRB1	6803:0407	0.01075	6	0.0101	1	93.4757	6	0.3656
Spanish American	A:DRB1	0201:0802	0.00995	5.6	-0.00084	-0.07785	0.04895	5.55271	6.0215
Spanish American	A:DRB1	0206:0407	0.00973	5.4	0.00744	0.21044	14.89283	5.42948	1.2796
Spanish American	A:DRB1	1101:0404	0.00896	5	0.00627	0.13725	9.08674	5	1.5
Spanish American	A:DRB1	0201:0403	0.00896	5	0.00588	0.52226	8.08032	5	1.7204
Spanish American	A:DRB1	0201:0101	0.0088	4.9	-0.00315	-0.2634	0.6239	4.91069	6.6667
Spanish American	A:DRB1	3101:1402	0.00838	4.7	0.00789	0.56979	74.75201	4.67549	0.2724
Spanish American	A:DRB1	6801:0802	0.0083	4.6	0.00632	0.1688	12.35239	4.63118	1.1039
Spanish American	A:DRB1	2402:0802	0.00809	4.5	0.00305	0.06764	1.20908	4.51391	2.81
Spanish American	A:DRB1	2301:0301	0.00767	4.3	0.00381	0.09308	2.40915	4.27731	2.1505
Spanish American	A:DRB1	2402:1104	0.00717	4	0.00429	0.16633	4.08541	4	1.6057
Spanish American	A:DRB1	1101:1301	0.00717	4	0.00408	0.0778	3.37739	4	1.7222
Spanish American	A:DRB1	2601:1001	0.00717	4	0.00645	0.24641	33.88026	4	0.4032
Spanish American	A:DRB1	1101:0102	0.00717	4	0.00498	0.13369	6.95886	4	1.2222
Spanish American	A:DRB1	2301:0701	0.00717	4	0.00179	0.04538	0.39493	4	3.0018
Spanish American	A:DRB1	0101:1302	0.00717	4	0.00474	0.15891	5.77087	4	1.3548
Spanish American	A:DRB1	2501:1501	0.00688	3.8	0.00596	0.44406	23.20692	3.83943	0.5161
Spanish American	A:DRB1	0205:1301	0.00682	3.8	0.00562	0.2768	15.97414	3.80378	0.6667
Spanish American	A:DRB1	2301:1101	0.00667	3.7	0.00482	0.12254	7.68028	3.72269	1.0305
Spanish American	A:DRB1	3001:0701	0.00641	3.6	0.00383	0.20234	3.67949	3.57738	1.4409
Spanish American	A:DRB1	2902:1501	0.00625	3.5	0.0029	0.0596	1.57557	3.48786	1.871
Spanish American	A:DRB1	3101:0701	0.00551	3.1	0.00142	0.04756	0.32604	3.07648	2.2814
Spanish American	A:DRB1	0201:1302	0.00538	3	-0.00156	-0.225	0.25798	3	3.871
Spanish American	A:DRB1	0201:1201	0.00538	3	0.00383	0.68151	6.82995	3	0.8602
Spanish American	A:DRB1	0201:0901	0.00538	3	0.00114	0.07347	0.22111	3	2.3656
Spanish American	A:DRB1	0204:0411	0.00538	3	0.0052	0.74357	86.55547	3	0.1004



Spanish American	A:DRB1	3002:0302	0.00538	3	0.00499	0.41062	38.03638	3	0.2133
Spanish American	A:DRB1	7401:1602	0.00538	3	0.00518	0.59121	80.23655	3	0.1075
Spanish American	A:DRB1	0301:1503	0.00538	3	0.00399	0.27059	7.11625	3	0.7742
Spanish American	A:DRB1	2402:1101	0.00538	3	0.00124	0.03343	0.24035	3	2.3082
Spanish American	A:DRB1	6801:0411	0.00527	2.9	0.00428	0.17777	11.05667	2.94263	0.552
Spanish American	A:DRB1	0301:0404	0.00515	2.9	0.00099	0.02241	0.15146	2.87571	2.3226
Spanish American	A:DRB1	0101:1001	0.00513	2.9	0.0031	0.12481	2.95003	2.86027	1.129
Spanish American	A:DRB1	2902:0101	0.00507	2.8	0.00218	0.04448	1.02866	2.82925	1.6111
Spanish American	A:DRB1	2402:1602	0.00494	2.8	0.00279	0.14403	2.28055	2.7592	1.2043
Spanish American	A:DRB1	0201:0404	0.00488	2.7	-0.00552	-0.53069	2.18925	2.72501	5.8065
Spanish American	A:DRB1	0301:1301	0.00463	2.6	-0.00015	-0.03215	0.00319	2.58093	2.6667
Spanish American	A:DRB1	3201:0404	0.00442	2.5	0.00372	0.27283	11.88166	2.46413	0.3871
Spanish American	A:DRB1	2402:1406	0.00441	2.5	0.00279	0.19207	3.02499	2.45835	0.9032
Spanish American	A:DRB1	0201:1406	0.00439	2.4	0.00092	0.07245	0.17524	2.44729	1.9355
Spanish American	A:DRB1	0301:1502	0.00417	2.3	0.00325	0.33069	7.04739	2.32961	0.5161
Spanish American	A:DRB1	2902:1301	0.00394	2.2	0.00105	0.02136	0.23733	2.19622	1.6111
Spanish American	A:DRB1	0301:1101	0.00391	2.2	0.00037	0.00977	0.02431	2.18378	1.9785
Spanish American	A:DRB1	3301:1301	0.00358	2	0.00219	0.09244	2.08595	2	0.7778
Spanish American	A:DRB1	3002:1104	0.00358	2	0.00271	0.0975	4.98372	2	0.4875
Spanish American	A:DRB1	6801:1101	0.00358	2	0.00196	0.05183	1.43095	2	0.9068
Spanish American	A:DRB1	0201:1001	0.00358	2	-0.0022	-0.38	0.60982	2	3.2258
Spanish American	A:DRB1	2601:0101	0.00358	2	0.00209	0.08235	1.77719	2	0.8333
Spanish American	A:DRB1	0205:1102	0.00358	2	0.00343	0.48901	43.83622	2	0.086
Spanish American	A:DRB1	3201:1401	0.00358	2	0.00333	0.23631	24.83822	2	0.1434
Spanish American	A:DRB1	2402:0402	0.00358	2	0.00251	0.25896	3.64621	2	0.6022
Spanish American	A:DRB1	0101:1401	0.00358	2	0.00224	0.13488	2.276	2	0.7527
Spanish American	A:DRB1	0206:1302	0.00358	2	0.00237	0.07635	2.7726	2	0.6774
Spanish American	A:DRB1	0217:0411	0.00358	2	0.0034	0.48713	37.14918	2	0.1004
Spanish American	A:DRB1	0201:0102	0.00358	2	-0.00489	-0.57727	2.09104	2	4.7312
Spanish American	A:DRB1	2301:0302	0.00358	2	0.00302	0.25221	9.61383	2	0.3136
Spanish American	A:DRB1	1101:1101	0.00358	2	0.00129	0.03325	0.45081	2	1.2778
Spanish American	A:DRB1	3201:1101	0.00358	2	0.00299	0.21776	8.95224	2	0.3297

Spanish American	A:DRB1	2601:1103	0.00358	2	0.00344	0.65746	47.19628	2	0.0806
Spanish American	A:DRB1	6802:1302	0.00358	2	0.00318	0.2619	14.58776	2	0.2258
Spanish American	A:DRB1	0301:0403	0.00358	2	0.00235	0.17941	2.77583	2	0.6882
Spanish American	A:DRB1	2501:1001	0.00358	2	0.0032	0.22928	15.44575	2	0.2151
Spanish American	A:DRB1	6801:1301	0.00358	2	0.00139	0.03743	0.54557	2	1.2222
Spanish American	A:DRB1	6802:1001	0.00358	2	0.00325	0.26598	18.15498	2	0.1882
Spanish American	A:DRB1	1101:1404	0.00358	2	0.00339	1	34.1223	2	0.1111
Spanish American	A:DRB1	3101:0407	0.00358	2	0.00151	0.04721	0.67558	2	1.1577
Spanish American	A:DRB1	2402:1601	0.00358	2	0.00286	0.44422	7.12693	2	0.4014
Spanish American	A:DRB1	0201:1601	0.00358	2	0.00204	0.36301	1.93786	2	0.8602
Spanish American	A:DRB1	8001:0102	0.00358	2	0.00337	0.65299	31.33366	2	0.1183
Spanish American	A:DRB1	3002:1301	0.00358	2	0.00189	0.06574	1.28839	2	0.9444
Spanish American	A:DRB1	3402:1503	0.00358	2	0.00353	1	122.43885	2	0.0323
Spanish American	A:DRB1	6801:0901	0.00358	2	0.00281	0.14824	6.00744	2	0.4337
Spanish American	A:DRB1	6801:1602	0.00349	1.9	0.00264	0.12766	4.86943	1.94465	0.4731
Spanish American	A:DRB1	3101:0404	0.00337	1.9	0.00172	0.05316	1.09332	1.88058	0.9194
Spanish American	A:DRB1	2301:0102	0.00315	1.8	0.00139	0.03681	0.66162	1.7592	0.9857
Spanish American	A:DRB1	0201:0402	0.00283	1.6	0.00051	0.06095	0.08224	1.57738	1.2903
Spanish American	A:DRB1	2402:0405	0.00262	1.5	0.00172	0.21394	2.06999	1.46413	0.5018
Spanish American	A:DRB1	6801:0407	0.00256	1.4	0.00015	0.00415	0.00607	1.42619	1.3405
Spanish American	A:DRB1	3004:0701	0.00245	1.4	0.00181	0.38211	3.22729	1.36889	0.3602
Spanish American	A:DRB1	1101:0701	0.00243	1.4	-0.00424	-0.63595	1.81143	1.35508	3.7222
Spanish American	A:DRB1	0301:0401	0.00233	1.3	0.00033	0.01551	0.03404	1.30262	1.1183
Spanish American	A:DRB1	3101:0101	0.00228	1.3	0.00039	0.01212	0.04914	1.27309	1.0556
Spanish American	A:DRB1	0206:0404	0.00227	1.3	0.00045	0.01262	0.06835	1.26832	1.0161
Spanish American	A:DRB1	2402:0102	0.00222	1.2	-0.00173	-0.43801	0.49017	1.2408	2.2079
Spanish American	A:DRB1	2301:1602	0.00222	1.2	0.00126	0.06135	0.98397	1.2408	0.5376
Spanish American	A:DRB1	0201:1402	0.0022	1.2	-0.00088	-0.28498	0.18059	1.23014	1.7204
Spanish American	A:DRB1	0205:0101	0.00214	1.2	0.00095	0.04673	0.45517	1.19622	0.6667
Spanish American	A:DRB1	2501:0301	0.00208	1.2	0.00085	0.06461	0.35995	1.16057	0.6882
Spanish American	A:DRB1	2902:1001	0.00204	1.1	0.00065	0.02533	0.18036	1.13973	0.7796
Spanish American	A:DRB1	3101:1406	0.00196	1.1	0.00141	0.09063	2.13158	1.09436	0.3065

Spanish American	A:DRB1	2402:1402	0.00196	1.1	0.00052	0.0405	0.11935	1.09436	0.8029
Spanish American	A:DRB1	2402:0411	0.00189	1.1	-0.00062	-0.24743	0.09808	1.05737	1.405
Spanish American	A:DRB1	0201:1602	0.00189	1.1	-0.00273	-0.59105	1.17376	1.05535	2.5806
Spanish American	A:DRB1	6801:0701	0.00189	1.1	-0.00284	-0.60048	1.1269	1.05535	2.6416
Spanish American	A:DRB1	0301:1104	0.00179	1	-0.00067	-0.27344	0.11592	1	1.3763
Spanish American	A:DRB1	2402:1301	0.00179	1	-0.00378	-0.67857	1.68601	1	3.1111
Spanish American	A:DRB1	3101:1302	0.00179	1	0.00069	0.02226	0.26154	1	0.6129
Spanish American	A:DRB1	2601:0901	0.00179	1	0.00126	0.0658	1.75852	1	0.2957
Spanish American	A:DRB1	0301:1304	0.00179	1	0.00148	0.45294	4.37524	1	0.172
Spanish American	A:DRB1	6805:0407	0.00179	1	0.00168	1	15.43943	1	0.0609
Spanish American	A:DRB1	2501:1303	0.00179	1	0.00164	0.15455	9.95936	1	0.086
Spanish American	A:DRB1	0205:1406	0.00179	1	0.00145	0.09158	3.49036	1	0.1935
Spanish American	A:DRB1	0206:1501	0.00179	1	-0.00064	-0.2619	0.10323	1	1.3548
Spanish American	A:DRB1	6802:1304	0.00179	1	0.00175	0.49365	38.50149	1	0.0251
Spanish American	A:DRB1	2425:0404	0.00179	1	0.00171	1	19.70197	1	0.0484
Spanish American	A:DRB1	0201:1306	0.00179	1	0.00141	1	3.65655	1	0.2151
Spanish American	A:DRB1	2902:1303	0.00179	1	0.00123	0.12098	1.61939	1	0.3118
Spanish American	A:DRB1	3601:0301	0.00179	1	0.00148	0.45294	4.37524	1	0.172
Spanish American	A:DRB1	3001:1201	0.00179	1	0.00164	0.23352	9.99611	1	0.086
Spanish American	A:DRB1	0202:0103	0.00179	1	0.00177	0.4973	91.83185	1	0.0108
Spanish American	A:DRB1	1101:1401	0.00179	1	0.0008	0.04706	0.38334	1	0.5556
Spanish American	A:DRB1	3102:0802	0.00179	1	0.0017	1	18.96255	1	0.0502
Spanish American	A:DRB1	3001:1503	0.00179	1	0.00145	0.09158	3.49036	1	0.1935
Spanish American	A:DRB1	3101:0901	0.00179	1	0.00112	0.05886	1.10297	1	0.3746
Spanish American	A:DRB1	3002:1503	0.00179	1	0.0013	0.08318	2.01411	1	0.2742
Spanish American	A:DRB1	0201:1401	0.00179	1	-0.00206	-0.535	0.79849	1	2.1505
Spanish American	A:DRB1	2601:1406	0.00179	1	0.00136	0.08656	2.4809	1	0.2419
Spanish American	A:DRB1	2402:0101	0.00179	1	-0.00378	-0.67857	1.68601	1	3.1111
Spanish American	A:DRB1	0211:0407	0.00179	1	0.00136	0.20134	2.51698	1	0.2437
Spanish American	A:DRB1	0222:0407	0.00179	1	0.00168	1	15.43943	1	0.0609
Spanish American	A:DRB1	2301:0101	0.00179	1	-0.0007	-0.28	0.1207	1	1.3889
Spanish American	A:DRB1	3101:0807	0.00179	1	0.00173	1	28.41935	1	0.0341

Spanish American	A:DRB1	3101:0411	0.00179	1	0.00094	0.0387	0.61	1	0.4767
Spanish American	A:DRB1	6602:1503	0.00179	1	0.00176	1	61.10952	1	0.0161
Spanish American	A:DRB1	2301:0802	0.00179	1	-0.00046	-0.20286	0.0569	1	1.2545
Spanish American	A:DRB1	1105:1405	0.00179	1	0.00179	1	558	1	0.0018
Spanish American	A:DRB1	2601:0301	0.00179	1	-0.00052	-0.225	0.07344	1	1.2903
Spanish American	A:DRB1	3001:1302	0.00179	1	0.0011	0.05278	1.02482	1	0.3871
Spanish American	A:DRB1	2601:1502	0.00179	1	0.0015	0.14365	4.53048	1	0.1613
Spanish American	A:DRB1	3303:1101	0.00179	1	0.0015	0.21776	4.4438	1	0.1649
Spanish American	A:DRB1	0101:0401	0.00179	1	0.00004	0.00179	0.00052	1	0.9785
Spanish American	A:DRB1	6801:1102	0.00179	1	0.00151	0.21922	4.71707	1	0.1577
Spanish American	A:DRB1	3301:1501	0.00179	1	0.00017	0.00739	0.01137	1	0.9032
Spanish American	A:DRB1	0101:0408	0.00179	1	0.00166	1	12.30777	1	0.0753
Spanish American	A:DRB1	6802:0901	0.00179	1	0.00154	0.12562	5.56282	1	0.138
Spanish American	A:DRB1	2305:1503	0.00179	1	0.00176	1	61.10952	1	0.0161
Spanish American	A:DRB1	0301:1407	0.00179	1	0.00164	1	10.64408	1	0.086
Spanish American	A:DRB1	3301:1001	0.00179	1	0.00112	0.04578	1.08937	1	0.3763
Spanish American	A:DRB1	2402:0301	0.00179	1	-0.00684	-0.79241	3.67867	1	4.8172
Spanish American	A:DRB1	1101:0103	0.00179	1	0.00149	0.29412	4.43561	1	0.1667
Spanish American	A:DRB1	3004:1501	0.00179	1	0.00145	0.28736	3.61137	1	0.1935
Spanish American	A:DRB1	6801:1302	0.00179	1	0.00052	0.01679	0.12776	1	0.7097
Spanish American	A:DRB1	0301:0402	0.00179	1	0.00087	0.08824	0.50172	1	0.5161
Spanish American	A:DRB1	6801:0103	0.00179	1	0.00158	0.30597	6.87959	1	0.1183
Spanish American	A:DRB1	2403:1302	0.00179	1	0.00168	0.48333	14.06709	1	0.0645
Spanish American	A:DRB1	0101:0402	0.00179	1	0.00098	0.09884	0.72793	1	0.4516
Spanish American	A:DRB1	0205:1101	0.00179	1	0.00091	0.04393	0.5504	1	0.4946
Spanish American	A:DRB1	0205:0411	0.00179	1	0.00125	0.05974	1.70084	1	0.3011
Spanish American	A:DRB1	2403:1301	0.00179	1	0.00159	0.47059	7.5565	1	0.1111
Spanish American	A:DRB1	0101:1402	0.00179	1	0.00071	0.05378	0.2884	1	0.6022
Spanish American	A:DRB1	0217:0802	0.00179	1	0.00143	0.21038	3.37521	1	0.2007
Spanish American	A:DRB1	0301:0804	0.00179	1	0.00148	0.45294	4.37524	1	0.172
Spanish American	A:DRB1	6802:0102	0.00179	1	0.0013	0.10768	2.00244	1	0.276
Spanish American	A:DRB1	2601:0701	0.00179	1	-0.00144	-0.44478	0.4161	1	1.8011

Spanish American	A:DRB1	7401:0901	0.00179	1	0.00162	0.18391	8.48584	1	0.0986
Spanish American	A:DRB1	0301:1401	0.00179	1	0.00025	0.01529	0.02531	1	0.8602
Spanish American	A:DRB1	7401:1302	0.00179	1	0.0015	0.17333	4.54741	1	0.1613
Spanish American	A:DRB1	0201:0803	0.00179	1	0.00141	1	3.65655	1	0.2151
Spanish American	A:DRB1	3303:0403	0.00179	1	0.00169	0.23909	15.83373	1	0.0573
Spanish American	A:DRB1	2601:1602	0.00179	1	0.00121	0.05801	1.49401	1	0.3226
Spanish American	A:DRB1	8001:1501	0.00179	1	0.00145	0.28736	3.61137	1	0.1935
Spanish American	A:DRB1	0217:0404	0.00179	1	0.00145	0.21186	3.55657	1	0.1935
Spanish American	A:DRB1	0211:0901	0.00179	1	0.00165	0.23492	11.05632	1	0.0789
Spanish American	A:DRB1	0101:1502	0.00179	1	0.00098	0.09884	0.72793	1	0.4516
Spanish American	A:DRB1	6801:1303	0.00179	1	0.00137	0.13246	2.59284	1	0.2366
Spanish American	A:DRB1	0102:0401	0.00179	1	0.00175	1	41.99834	1	0.0233
Spanish American	A:DRB1	0101:0405	0.00179	1	0.00112	0.13488	1.12771	1	0.3763
Spanish American	A:DRB1	0206:0411	0.00179	1	0.00085	0.03512	0.45282	1	0.5269
Spanish American	A:DRB1	3001:0102	0.00179	1	0.00094	0.04571	0.62426	1	0.4731
Spanish American	A:DRB1	3001:0301	0.00179	1	-0.00006	-0.03125	0.00113	1	1.0323
Spanish American	A:DRB1	3303:1104	0.00179	1	0.00159	0.22786	7.08597	1	0.1147
Spanish American	A:DRB1	0302:1501	0.00179	1	0.00168	1	14.52603	1	0.0645
Spanish American	A:DRB1	0301:0901	0.00179	1	0.0001	0.00535	0.00341	1	0.9462
Spanish American	A:DRB1	0205:0701	0.00179	1	-0.00079	-0.30597	0.15667	1	1.4409
Spanish American	A:DRB1	0101:1303	0.00179	1	0.00098	0.09884	0.72793	1	0.4516
Spanish American	A:DRB1	2402:1303	0.00179	1	0.00071	0.07371	0.29536	1	0.6022
Spanish American	A:DRB1	3001:1102	0.00179	1	0.00164	0.23352	9.99611	1	0.086
Spanish American	A:DRB1	3301:0701	0.00179	1	-0.00122	-0.40512	0.3216	1	1.681
Spanish American	A:DRB1	0211:0102	0.00179	1	0.00151	0.21922	4.71707	1	0.1577
Spanish American	A:DRB1	2601:0410	0.00179	1	0.0017	0.48619	17.17537	1	0.0538
Spanish American	A:DRB1	0213:0404	0.00179	1	0.00171	1	19.70197	1	0.0484
Spanish American	A:DRB1	2301:0804	0.00179	1	0.00163	0.47655	9.71828	1	0.0896
Spanish American	A:DRB1	2301:0411	0.00179	1	0.00067	0.02787	0.23788	1	0.6272
Spanish American	A:DRB1	2402:0406	0.00179	1	0.00161	1	8.98038	1	0.1004
Spanish American	A:DRB1	3001:0302	0.00179	1	0.00152	0.12402	4.96098	1	0.1505
Spanish American	A:DRB1	0205:1305	0.00179	1	0.00175	1	45.58169	1	0.0215

Spanish American	A:DRB1	2301:1401	0.00179	1	0.00099	0.05779	0.72492	1	0.448
Spanish American	A:DRB1	2402:1401	0.00179	1	-0.00001	-0.00357	0.00001	1	1.0036
Spanish American	A:DRB1	3101:0801	0.00179	1	0.00161	0.30983	8.21397	1	0.1022
Spanish American	A:DRB1	0201:0410	0.00179	1	0.00102	0.36301	0.96545	1	0.4301
Spanish American	A:DRB1	3002:1303	0.00179	1	0.00146	0.14048	3.80914	1	0.1828
Spanish American	A:DRB1	2301:0405	0.00179	1	0.00139	0.16248	2.83954	1	0.224
Spanish American	A:DRB1	3301:0405	0.00179	1	0.00157	0.17941	6.31033	1	0.1254
Spanish American	A:DRB1	0211:0411	0.00179	1	0.00161	0.2307	8.33192	1	0.1004
Spanish American	A:DRB1	0301:0801	0.00179	1	0.00133	0.27059	2.34644	1	0.2581
Spanish American	A:DRB1	3001:0801	0.00179	1	0.00168	0.31868	13.93757	1	0.0645
Spanish American	A:DRB1	3303:1401	0.00179	1	0.00166	0.23631	12.32944	1	0.0717
Spanish American	A:DRB1	3601:1602	0.00179	1	0.00172	0.48901	21.83927	1	0.043
Spanish American	A:DRB1	0202:1314	0.00179	1	0.00179	1	278.4991	1	0.0036
Spanish American	A:DRB1	2402:0302	0.00179	1	0.00053	0.04724	0.14181	1	0.7025
Spanish American	A:DRB1	2902:1103	0.00179	1	0.00151	0.29679	4.84628	1	0.1559
Spanish American	A:DRB1	2301:1302	0.00179	1	0.00035	0.01126	0.05025	1	0.8065
Spanish American	A:DRB1	6901:1406	0.00179	1	0.00176	1	61.10952	1	0.0161
Spanish American	A:DRB1	2301:1502	0.00179	1	0.00131	0.12758	2.10473	1	0.2688
Spanish American	A:DRB1	1101:0401	0.00179	1	0.0005	0.02262	0.11582	1	0.7222
Spanish American	A:DRB1	3201:0301	0.00179	1	0.00056	0.04265	0.15684	1	0.6882
Spanish American	A:DRB1	2902:1302	0.00179	1	0.00012	0.00378	0.00485	1	0.9355
Spanish American	A:DRB1	0101:1104	0.00179	1	-0.00037	-0.16964	0.03859	1	1.2043
Spanish American	A:DRB1	0204:1501	0.00179	1	0.00133	0.19828	2.29664	1	0.2581
Spanish American	A:DRB1	1101:1502	0.0012	0.7	0.0006	0.05948	0.36478	0.67039	0.3333
Spanish American	A:DRB1	3004:1301	0.00113	0.6	0.00083	0.16392	1.37776	0.63111	0.1667
Spanish American	A:DRB1	3201:0405	0.00096	0.5	0.00083	0.09419	3.07712	0.53587	0.0717
Spanish American	A:DRB1	3001:0402	0.00076	0.4	0.00053	0.05001	0.69008	0.42262	0.129
Spanish American	B:DRB1	0801:0301	0.04445	24.8	0.03921	0.70408	190.70381	24.80432	2.9247
Spanish American	B:DRB1	4403:0701	0.04283	23.9	0.03401	0.52599	89.72032	23.89915	4.9229
Spanish American	B:DRB1	0702:1501	0.03047	17	0.027	0.53678	132.46001	17	1.9355
Spanish American	B:DRB1	3501:0101	0.02151	12	0.01812	0.34733	61.02641	12	1.8889
Spanish American	B:DRB1	1801:0301	0.01613	9	0.01182	0.25763	20.78857	9.00161	2.4086

Spanish American	B:DRB1	5101:0701	0.01434	8	0.00767	0.15682	5.91576	8	3.7222
Spanish American	B:DRB1	1402:0102	0.01426	8	0.0132	0.51129	98.17665	7.95842	0.5914
Spanish American	B:DRB1	1302:0701	0.01254	7	0.01061	0.7474	37.44681	6.99955	1.0806
Spanish American	B:DRB1	3905:0407	0.01164	6.5	0.01033	0.51134	49.41994	6.49343	0.7312
Spanish American	B:DRB1	3701:1001	0.01075	6	0.01037	0.74309	162.23983	6	0.2151
Spanish American	B:DRB1	5101:0404	0.00959	5.4	0.0069	0.15107	11.00826	5.35233	1.5
Spanish American	B:DRB1	4403:1501	0.00907	5.1	0.00433	0.07238	2.54197	5.05927	2.6452
Spanish American	B:DRB1	3502:1104	0.00896	5	0.00865	0.82841	141.00022	5	0.172
Spanish American	B:DRB1	3503:0701	0.00896	5	0.00681	0.43177	13.91134	5	1.2007
Spanish American	B:DRB1	4002:0407	0.00896	5	0.0071	0.24832	16.6628	5	1.0358
Spanish American	B:DRB1	2705:0101	0.00896	5	0.00777	0.38235	30.47899	5	0.6667
Spanish American	B:DRB1	1501:1301	0.00896	5	0.00717	0.23529	17.50588	5	1
Spanish American	B:DRB1	4402:1101	0.00806	4.5	0.00644	0.17035	15.45944	4.5	0.9068
Spanish American	B:DRB1	5101:1101	0.00806	4.5	0.00577	0.14834	8.97345	4.5	1.2778
Spanish American	B:DRB1	3512:0407	0.00753	4.2	0.00655	0.43259	26.382	4.20446	0.5484
Spanish American	B:DRB1	4403:0102	0.00724	4	0.00435	0.11897	4.08787	4.04158	1.6165
Spanish American	B:DRB1	1801:1104	0.00717	4	0.00573	0.21038	13.79973	4	0.8029
Spanish American	B:DRB1	3908:0407	0.00717	4	0.00673	1	62.09216	4	0.2437
Spanish American	B:DRB1	4002:0411	0.00717	4	0.0064	0.26327	31.67462	4	0.4265
Spanish American	B:DRB1	1501:0401	0.00717	4	0.00642	0.28462	32.34589	4	0.4194
Spanish American	B:DRB1	2705:0404	0.00717	4	0.00613	0.29944	21.62513	4	0.5806
Spanish American	B:DRB1	5701:0701	0.00717	4	0.00566	0.51295	13.66888	4	0.8405
Spanish American	B:DRB1	5201:0407	0.00717	4	0.00586	0.29008	15.90376	4	0.7312
Spanish American	B:DRB1	1515:0802	0.00717	4	0.00654	0.54879	40.41161	4	0.3513
Spanish American	B:DRB1	3517:0802	0.00705	3.9	0.00642	0.53843	38.90125	3.93117	0.3513
Spanish American	B:DRB1	3906:1406	0.00705	3.9	0.00681	0.48306	115.52867	3.93117	0.129
Spanish American	B:DRB1	5001:0701	0.007	3.9	0.00421	0.2052	4.10717	3.90823	1.5609
Spanish American	B:DRB1	1801:1501	0.00689	3.8	0.00366	0.0779	2.59386	3.8469	1.8065
Spanish American	B:DRB1	3512:0802	0.0068	3.8	0.00599	0.39118	26.49518	3.79554	0.4516
Spanish American	B:DRB1	4801:0404	0.00654	3.6	0.00593	0.49674	34.40156	3.64767	0.3387
Spanish American	B:DRB1	5101:0802	0.00654	3.6	0.00375	0.07911	3.13666	3.64767	1.5556
Spanish American	B:DRB1	5001:0301	0.00554	3.1	0.00354	0.16611	3.90192	3.0919	1.1183

Spanish American	B:DRB1	4402:0301	0.00552	3.1	0.00213	0.05913	0.85075	3.08138	1.8925
Spanish American	B:DRB1	5201:0802	0.00538	3	0.0043	0.21038	10.27398	3	0.6022
Spanish American	B:DRB1	1801:1101	0.00538	3	0.00331	0.0845	3.24185	3	1.1541
Spanish American	B:DRB1	5801:0404	0.00538	3	0.00451	0.26441	14.00005	3	0.4839
Spanish American	B:DRB1	4001:0404	0.00538	3	0.0046	0.29944	16.13022	3	0.4355
Spanish American	B:DRB1	5301:1401	0.00538	3	0.00499	0.28462	37.53028	3	0.2151
Spanish American	B:DRB1	3501:1101	0.00538	3	0.00286	0.07401	2.02522	3	1.4014
Spanish American	B:DRB1	3501:0302	0.00538	3	0.00461	0.39149	16.74493	3	0.4265
Spanish American	B:DRB1	1503:1301	0.00538	3	0.00438	0.25882	11.59605	3	0.5556
Spanish American	B:DRB1	3501:1402	0.00538	3	0.0045	0.33445	13.9916	3	0.4875
Spanish American	B:DRB1	4402:0401	0.00538	3	0.00446	0.1992	12.86725	3	0.5125
Spanish American	B:DRB1	1401:0701	0.00538	3	0.00452	0.71589	15.13139	3	0.4803
Spanish American	B:DRB1	4901:0102	0.00538	3	0.00453	0.21922	14.35857	3	0.4731
Spanish American	B:DRB1	4001:1302	0.00538	3	0.00486	0.31111	26.56175	3	0.2903
Spanish American	B:DRB1	5301:1301	0.00538	3	0.00418	0.20588	8.8371	3	0.6667
Spanish American	B:DRB1	4403:0402	0.00538	3	0.00459	0.46035	16.20787	3	0.4409
Spanish American	B:DRB1	4402:1301	0.00523	2.9	0.00304	0.08164	2.59536	2.91862	1.2222
Spanish American	B:DRB1	0801:1301	0.00373	2.1	0.00034	0.00661	0.02212	2.08138	1.8889
Spanish American	B:DRB1	1402:0701	0.00366	2	0.00043	0.01822	0.03751	2.04158	1.8011
Spanish American	B:DRB1	1518:1301	0.00358	2	0.00329	0.64706	21.46836	2	0.1667
Spanish American	B:DRB1	5101:1302	0.00358	2	0.00179	0.05882	1.09412	2	1
Spanish American	B:DRB1	5101:1301	0.00358	2	0.0005	0.00949	0.05023	2	1.7222
Spanish American	B:DRB1	3911:0407	0.00358	2	0.00337	1	30.93441	2	0.1219
Spanish American	B:DRB1	4002:1301	0.00358	2	0.00189	0.06574	1.28839	2	0.9444
Spanish American	B:DRB1	4002:1406	0.00358	2	0.00309	0.19778	11.38743	2	0.2742
Spanish American	B:DRB1	4901:1102	0.00358	2	0.00343	0.48901	43.83622	2	0.086
Spanish American	B:DRB1	3801:0701	0.00358	2	0.00165	0.11609	0.90344	2	1.0806
Spanish American	B:DRB1	5301:0301	0.00358	2	0.00173	0.08824	1.01446	2	1.0323
Spanish American	B:DRB1	0702:0103	0.00358	2	0.0033	0.64773	22.27201	2	0.1613
Spanish American	B:DRB1	3501:0407	0.00358	2	-0.00013	-0.0346	0.00281	2	2.0717
Spanish American	B:DRB1	4402:1104	0.00358	2	0.00245	0.08909	3.18503	2	0.6308
Spanish American	B:DRB1	4403:1503	0.00358	2	0.0024	0.16054	2.97294	2	0.6613



Spanish American	B:DRB1	5101:0411	0.00358	2	0.00219	0.09244	2.08595	2	0.7778
Spanish American	B:DRB1	1501:0802	0.00358	2	0.00197	0.06415	1.44889	2	0.9032
Spanish American	B:DRB1	3801:1501	0.00358	2	0.00254	0.16858	3.76961	2	0.5806
Spanish American	B:DRB1	0702:1401	0.00358	2	0.00262	0.15455	4.28035	2	0.5376
Spanish American	B:DRB1	5201:1502	0.00358	2	0.00335	0.31868	28.02664	2	0.129
Spanish American	B:DRB1	0702:0101	0.00358	2	0.0006	0.01176	0.0746	2	1.6667
Spanish American	B:DRB1	5801:1503	0.00358	2	0.0033	0.20803	21.69369	2	0.1613
Spanish American	B:DRB1	3905:0411	0.00358	2	0.00304	0.14522	10.04963	2	0.3011
Spanish American	B:DRB1	5701:0101	0.00358	2	0.00289	0.2437	7.15701	2	0.3889
Spanish American	B:DRB1	8101:1302	0.00358	2	0.0033	0.38	21.85584	2	0.1613
Spanish American	B:DRB1	1402:1501	0.00358	2	0.00185	0.07356	1.20953	2	0.9677
Spanish American	B:DRB1	1503:1602	0.00358	2	0.0032	0.18242	15.41695	2	0.2151
Spanish American	B:DRB1	0702:0401	0.00358	2	0.00233	0.10577	2.62067	2	0.6989
Spanish American	B:DRB1	1302:1001	0.00358	2	0.00315	0.20074	13.34339	2	0.2419
Spanish American	B:DRB1	3903:1402	0.00358	2	0.00353	1	137.9946	2	0.0287
Spanish American	B:DRB1	4501:0901	0.00358	2	0.00334	0.27135	25.95587	2	0.138
Spanish American	B:DRB1	1801:1302	0.00358	2	0.00197	0.06415	1.44889	2	0.9032
Spanish American	B:DRB1	5102:0403	0.00358	2	0.00353	1	137.9946	2	0.0287
Spanish American	B:DRB1	4901:1101	0.00358	2	0.0027	0.13084	4.88357	2	0.4946
Spanish American	B:DRB1	4101:1302	0.00358	2	0.0033	0.38	21.85584	2	0.1613
Spanish American	B:DRB1	3501:1602	0.00358	2	0.00227	0.1126	2.39616	2	0.7312
Spanish American	B:DRB1	4201:0302	0.00358	2	0.00354	1	157.99486	2	0.0251
Spanish American	B:DRB1	4501:0102	0.00358	2	0.00309	0.2564	11.35396	2	0.276
Spanish American	B:DRB1	0801:1302	0.00358	2	0.00162	0.05344	0.8185	2	1.0968
Spanish American	B:DRB1	5101:1503	0.00358	2	0.00269	0.17647	4.84282	2	0.5
Spanish American	B:DRB1	5001:1501	0.00358	2	0.00208	0.09548	1.75944	1.99987	0.8387
Spanish American	B:DRB1	1501:0101	0.00355	2	0.00175	0.0576	1.04911	1.97922	1
Spanish American	B:DRB1	3905:0802	0.0027	1.5	0.00162	0.07935	1.46162	1.50657	0.6022
Spanish American	B:DRB1	4402:0101	0.00269	1.5	0.0005	0.01337	0.06959	1.5	1.2222
Spanish American	B:DRB1	5101:0101	0.00269	1.5	-0.0004	-0.12903	0.03215	1.5	1.7222
Spanish American	B:DRB1	4801:0802	0.00242	1.4	0.00179	0.15057	3.04195	1.35233	0.3513
Spanish American	B:DRB1	3543:0407	0.00233	1.3	0.00212	0.62841	12.21607	1.30211	0.1219

Spanish American	B:DRB1	1801:0701	0.00206	1.2	-0.00396	-0.6575	1.739	1.15149	3.362
Spanish American	B:DRB1	0801:1501	0.00196	1.1	-0.00197	-0.50149	0.62796	1.09351	2.1935
Spanish American	B:DRB1	3517:1406	0.00192	1.1	0.00171	0.1388	8.33089	1.06883	0.1129
Spanish American	B:DRB1	3906:0802	0.00192	1.1	0.0012	0.08783	1.18519	1.06883	0.4014
Spanish American	B:DRB1	0801:0101	0.00183	1	-0.00156	-0.45959	0.44985	1.02078	1.8889
Spanish American	B:DRB1	1501:0301	0.00183	1	-0.00095	-0.34074	0.20325	1.02078	1.5484
Spanish American	B:DRB1	7801:1301	0.00179	1	0.00149	0.29412	4.43561	1	0.1667
Spanish American	B:DRB1	5802:1201	0.00179	1	0.00175	0.32852	45.08535	1	0.0215
Spanish American	B:DRB1	1501:0411	0.00179	1	0.00098	0.04048	0.7058	1	0.4516
Spanish American	B:DRB1	0702:0901	0.00179	1	0.00073	0.03926	0.30435	1	0.5914
Spanish American	B:DRB1	0702:1104	0.00179	1	0.00025	0.00923	0.02471	1	0.8602
Spanish American	B:DRB1	1503:1304	0.00179	1	0.00173	0.49088	26.50412	1	0.0358
Spanish American	B:DRB1	5001:1001	0.00179	1	0.00117	0.05142	1.27414	1	0.3495
Spanish American	B:DRB1	3924:1303	0.00179	1	0.00177	1	92.16517	1	0.0108
Spanish American	B:DRB1	5201:0411	0.00179	1	0.00125	0.05974	1.70084	1	0.3011
Spanish American	B:DRB1	3503:1501	0.00179	1	0.00064	0.03793	0.21243	1	0.6452
Spanish American	B:DRB1	8101:1304	0.00179	1	0.00176	0.49548	54.49986	1	0.0179
Spanish American	B:DRB1	1516:0701	0.00179	1	0.00072	0.09084	0.30507	1	0.6004
Spanish American	B:DRB1	1516:1104	0.00179	1	0.00154	0.17638	5.31711	1	0.1434
Spanish American	B:DRB1	4001:0901	0.00179	1	0.00147	0.09324	3.95426	1	0.1774
Spanish American	B:DRB1	4402:1306	0.00179	1	0.00172	1	24.40738	1	0.0394
Spanish American	B:DRB1	8101:1303	0.00179	1	0.0017	0.1913	16.987	1	0.0538
Spanish American	B:DRB1	5301:1303	0.00179	1	0.00156	0.14835	6.07355	1	0.129
Spanish American	B:DRB1	4901:0405	0.00179	1	0.0016	0.18242	7.63878	1	0.1075
Spanish American	B:DRB1	8101:1201	0.00179	1	0.00173	0.24322	26.3593	1	0.0358
Spanish American	B:DRB1	4430:0701	0.00179	1	0.00158	1	7.34152	1	0.1201
Spanish American	B:DRB1	3501:1401	0.00179	1	0.0007	0.0416	0.27162	1	0.6093
Spanish American	B:DRB1	4403:1401	0.00179	1	0.00048	0.02863	0.10522	1	0.7348
Spanish American	B:DRB1	4001:1101	0.00179	1	0.00113	0.0729	1.13071	1	0.371
Spanish American	B:DRB1	1518:1602	0.00179	1	0.00168	0.31868	13.93757	1	0.0645
Spanish American	B:DRB1	5201:0402	0.00179	1	0.00156	0.14835	6.07355	1	0.129
Spanish American	B:DRB1	1507:0901	0.00179	1	0.00176	1	49.81655	1	0.0197

Spanish American	B:DRB1	4402:1406	0.00179	1	0.00116	0.07463	1.24119	1	0.3548
Spanish American	B:DRB1	0801:1401	0.00179	1	0.0007	0.0416	0.27162	1	0.6093
Spanish American	B:DRB1	3501:1104	0.00179	1	0.00004	0.00167	0.00071	1	0.9749
Spanish American	B:DRB1	1402:1503	0.00179	1	0.00136	0.08656	2.4809	1	0.2419
Spanish American	B:DRB1	4901:1302	0.00179	1	0.0011	0.05278	1.02482	1	0.3871
Spanish American	B:DRB1	3901:0802	0.00179	1	0.00152	0.29811	5.07391	1	0.1505
Spanish American	B:DRB1	1516:1501	0.00179	1	0.00121	0.14483	1.53444	1	0.3226
Spanish American	B:DRB1	4004:0407	0.00179	1	0.00136	0.20134	2.51698	1	0.2437
Spanish American	B:DRB1	5501:1501	0.00179	1	0.0011	0.1092	1.04863	1	0.3871
Spanish American	B:DRB1	3504:0807	0.00179	1	0.00179	1	558	1	0.0018
Spanish American	B:DRB1	5701:0301	0.00179	1	0.00071	0.06218	0.29126	1	0.6022
Spanish American	B:DRB1	1517:0701	0.00179	1	0.00136	0.43177	2.74224	1	0.2401
Spanish American	B:DRB1	4501:1201	0.00179	1	0.0017	0.24047	18.33862	1	0.0502
Spanish American	B:DRB1	5401:1405	0.00179	1	0.00179	1	558	1	0.0018
Spanish American	B:DRB1	3906:0403	0.00179	1	0.00159	0.11227	7.03368	1	0.1147
Spanish American	B:DRB1	1517:0101	0.00179	1	0.00159	0.47059	7.5565	1	0.1111
Spanish American	B:DRB1	3801:1302	0.00179	1	0.00127	0.08148	1.82198	1	0.2903
Spanish American	B:DRB1	5601:0101	0.00179	1	0.00149	0.29412	4.43561	1	0.1667
Spanish American	B:DRB1	3801:1502	0.00179	1	0.00162	0.15301	8.66144	1	0.0968
Spanish American	B:DRB1	3801:1103	0.00179	1	0.00171	0.3224	19.12468	1	0.0484
Spanish American	B:DRB1	3906:0301	0.00179	1	0.00056	0.04265	0.15684	1	0.6882
Spanish American	B:DRB1	1402:1101	0.00179	1	0.00068	0.02654	0.25259	1	0.6183
Spanish American	B:DRB1	5802:1301	0.00179	1	0.00149	0.29412	4.43561	1	0.1667
Spanish American	B:DRB1	5702:0701	0.00179	1	0.00158	1	7.34152	1	0.1201
Spanish American	B:DRB1	3512:1001	0.00179	1	0.00136	0.08656	2.4809	1	0.2419
Spanish American	B:DRB1	1801:0408	0.00179	1	0.0017	1	18.96255	1	0.0502
Spanish American	B:DRB1	5801:0901	0.00179	1	0.00144	0.0819	3.39648	1	0.1971
Spanish American	B:DRB1	5801:0701	0.00179	1	-0.00036	-0.16716	0.03883	1	1.2007
Spanish American	B:DRB1	5001:0401	0.00179	1	0.00125	0.0549	1.68211	1	0.3029
Spanish American	B:DRB1	0702:1503	0.00179	1	0.00092	0.06061	0.59136	1	0.4839
Spanish American	B:DRB1	2705:0403	0.00179	1	0.00148	0.10577	4.13135	1	0.172
Spanish American	B:DRB1	1501:1001	0.00179	1	0.00092	0.03556	0.5846	1	0.4839

Spanish American	B:DRB1	1801:1407	0.00179	1	0.0017	1	18.96255	1	0.0502
Spanish American	B:DRB1	2705:0402	0.00179	1	0.00156	0.14835	6.07355	1	0.129
Spanish American	B:DRB1	7801:1001	0.00179	1	0.00165	0.31492	10.82838	1	0.0806
Spanish American	B:DRB1	1501:1602	0.00179	1	0.0011	0.05278	1.02482	1	0.3871
Spanish American	B:DRB1	4701:1302	0.00179	1	0.00168	0.48333	14.06709	1	0.0645
Spanish American	B:DRB1	3503:0103	0.00179	1	0.0017	0.32117	17.04933	1	0.0538
Spanish American	B:DRB1	1503:0301	0.00179	1	0.00025	0.01529	0.02531	1	0.8602
Spanish American	B:DRB1	4501:1302	0.00179	1	0.00139	0.11429	2.7777	1	0.2258
Spanish American	B:DRB1	5501:1103	0.00179	1	0.00173	0.32609	29.50646	1	0.0323
Spanish American	B:DRB1	1503:0701	0.00179	1	-0.00036	-0.16716	0.03883	1	1.2007
Spanish American	B:DRB1	4002:1602	0.00179	1	0.00114	0.05453	1.16043	1	0.3656
Spanish American	B:DRB1	3501:1404	0.00179	1	0.00157	0.46756	6.76256	1	0.1219
Spanish American	B:DRB1	4402:0402	0.00179	1	0.00137	0.13246	2.59284	1	0.2366
Spanish American	B:DRB1	4004:1101	0.00179	1	0.0015	0.21776	4.4438	1	0.1649
Spanish American	B:DRB1	5501:0411	0.00179	1	0.00152	0.14522	4.9702	1	0.1505
Spanish American	B:DRB1	4101:0101	0.00179	1	0.00129	0.15294	2.00621	1	0.2778
Spanish American	B:DRB1	4901:0404	0.00179	1	0.00075	0.03672	0.32526	1	0.5806
Spanish American	B:DRB1	5703:1301	0.00179	1	0.00119	0.11765	1.42711	1	0.3333
Spanish American	B:DRB1	3501:0701	0.00179	1	-0.00552	-0.75505	2.8166	1	4.0824
Spanish American	B:DRB1	3501:1301	0.00179	1	-0.00159	-0.47059	0.47164	1	1.8889
Spanish American	B:DRB1	3508:1402	0.00179	1	0.00177	1	68.87343	1	0.0143
Spanish American	B:DRB1	1540:0802	0.00179	1	0.0017	1	18.96255	1	0.0502
Spanish American	B:DRB1	3920:0804	0.00179	1	0.00179	1	278.4991	1	0.0036
Spanish American	B:DRB1	5301:0102	0.00179	1	0.00094	0.04571	0.62426	1	0.4731
Spanish American	B:DRB1	2705:0901	0.00179	1	0.00137	0.07093	2.56862	1	0.2366
Spanish American	B:DRB1	3501:0405	0.00179	1	0.00125	0.14809	1.70527	1	0.3047
Spanish American	B:DRB1	3501:0404	0.00179	1	-0.00116	-0.39216	0.28312	1	1.6452
Spanish American	B:DRB1	4701:1101	0.00179	1	0.00164	0.4785	10.69025	1	0.0824
Spanish American	B:DRB1	3517:0404	0.00179	1	0.00119	0.09927	1.37398	1	0.3387
Spanish American	B:DRB1	5001:1102	0.00179	1	0.00163	0.23211	9.09967	1	0.0932
Spanish American	B:DRB1	3501:0803	0.00179	1	0.00168	1	15.43943	1	0.0609
Spanish American	B:DRB1	3503:1502	0.00179	1	0.0016	0.15146	7.62469	1	0.1075

Spanish American	B:DRB1	5801:0403	0.00179	1	0.00154	0.10903	5.28758	1	0.1434
Spanish American	B:DRB1	3501:1601	0.00179	1	0.00136	0.20134	2.51698	1	0.2437
Spanish American	B:DRB1	3801:0403	0.00179	1	0.00156	0.11066	6.06232	1	0.129
Spanish American	B:DRB1	3505:0404	0.00179	1	0.00162	0.47458	8.89062	1	0.0968
Spanish American	B:DRB1	4501:1301	0.00179	1	0.0011	0.09244	1.02972	1	0.3889
Spanish American	B:DRB1	4005:0411	0.00179	1	0.00175	1	38.9269	1	0.0251
Spanish American	B:DRB1	1804:1104	0.00179	1	0.00174	1	33.93582	1	0.0287
Spanish American	B:DRB1	3905:0901	0.00179	1	0.00137	0.07093	2.56862	1	0.2366
Spanish American	B:DRB1	4402:0302	0.00179	1	0.0013	0.10768	2.00244	1	0.276
Spanish American	B:DRB1	7801:1601	0.00179	1	0.00175	0.32852	45.08535	1	0.0215
Spanish American	B:DRB1	2702:1104	0.00179	1	0.00169	0.48524	16.00964	1	0.0573
Spanish American	B:DRB1	3901:0102	0.00179	1	0.00158	0.30597	6.87959	1	0.1183
Spanish American	B:DRB1	1503:1404	0.00179	1	0.00173	0.49088	26.50412	1	0.0358
Spanish American	B:DRB1	4002:1402	0.00179	1	0.00136	0.0975	2.45561	1	0.2437
Spanish American	B:DRB1	4004:1303	0.00179	1	0.00172	0.24185	21.67987	1	0.043
Spanish American	B:DRB1	5703:0401	0.00179	1	0.00154	0.14679	5.47881	1	0.1398
Spanish American	B:DRB1	5703:0407	0.00179	1	0.00114	0.1126	1.18506	1	0.3656
Spanish American	B:DRB1	5703:0405	0.00179	1	0.0017	0.1913	16.987	1	0.0538
Spanish American	B:DRB1	3517:0411	0.00179	1	0.00148	0.1208	4.01951	1	0.1756
Spanish American	B:DRB1	4002:0102	0.00179	1	0.00059	0.02019	0.1742	1	0.6703
Spanish American	B:DRB1	3701:1201	0.00179	1	0.00169	0.23909	15.83373	1	0.0573
Spanish American	B:DRB1	5601:1001	0.00179	1	0.00165	0.31492	10.82838	1	0.0806
Spanish American	B:DRB1	4402:0404	0.00179	1	-0.00012	-0.06061	0.00428	1	1.0645
Spanish American	B:DRB1	1515:0407	0.00179	1	0.00103	0.08724	0.83152	1	0.4265
Spanish American	B:DRB1	3902:0404	0.00179	1	0.00162	0.47458	8.89062	1	0.0968
Spanish American	B:DRB1	2702:0901	0.00179	1	0.00172	0.48995	23.95957	1	0.0394
Spanish American	B:DRB1	0801:1303	0.00179	1	0.00114	0.1126	1.18506	1	0.3656
Spanish American	B:DRB1	4002:0401	0.00179	1	0.00108	0.04792	0.97254	1	0.3961
Spanish American	B:DRB1	5703:1303	0.00179	1	0.00168	0.15761	13.861	1	0.0645
Spanish American	B:DRB1	1516:0102	0.00179	1	0.00144	0.16716	3.43485	1	0.1971
Spanish American	B:DRB1	5802:1102	0.00179	1	0.00175	0.32852	45.08535	1	0.0215
Spanish American	B:DRB1	1801:1502	0.00179	1	0.00125	0.12264	1.72679	1	0.3011

Spanish American	B:DRB1	3906:0404	0.00179	1	0.0011	0.08051	1.03461	1	0.3871
Spanish American	B:DRB1	5601:0401	0.00179	1	0.00167	0.31743	12.74133	1	0.0699
Spanish American	B:DRB1	1801:0403	0.00179	1	0.00107	0.07877	0.95332	1	0.4014
Spanish American	B:DRB1	4004:0410	0.00179	1	0.00177	0.49639	68.49913	1	0.0143
Spanish American	B:DRB1	3502:0407	0.00179	1	0.00114	0.1126	1.18506	1	0.3656
Spanish American	B:DRB1	3701:1301	0.00179	1	0.001	0.07353	0.74599	1	0.4444
Spanish American	B:DRB1	0801:0804	0.00179	1	0.00157	0.46756	6.76256	1	0.1219
Spanish American	B:DRB1	4101:1602	0.00179	1	0.0016	0.18242	7.63878	1	0.1075
Spanish American	B:DRB1	3801:1401	0.00179	1	0.0015	0.09489	4.51368	1	0.1613
Spanish American	B:DRB1	1401:0411	0.00179	1	0.00161	0.2307	8.33192	1	0.1004
Spanish American	B:DRB1	1515:1503	0.00179	1	0.00159	0.12881	7.17431	1	0.1129
Spanish American	B:DRB1	5002:0406	0.00179	1	0.00179	1	278.4991	1	0.0036
Spanish American	B:DRB1	5201:0301	0.00179	1	-0.00006	-0.03125	0.00113	1	1.0323
Spanish American	B:DRB1	1503:1101	0.00179	1	0.00105	0.06131	0.89027	1	0.4122
Spanish American	B:DRB1	3901:1101	0.00179	1	0.00157	0.30467	6.51262	1	0.1237
Spanish American	B:DRB1	3531:0407	0.00179	1	0.00168	1	15.43943	1	0.0609
Spanish American	B:DRB1	4101:1305	0.00179	1	0.00178	1	110.79856	1	0.009
Spanish American	B:DRB1	5501:1401	0.00179	1	0.0016	0.15146	7.62469	1	0.1075
Spanish American	B:DRB1	5501:0801	0.00179	1	0.00173	0.32609	29.50646	1	0.0323
Spanish American	B:DRB1	4901:1301	0.00179	1	0.0006	0.02941	0.18035	1	0.6667
Spanish American	B:DRB1	1501:0410	0.00179	1	0.00168	0.48333	14.06709	1	0.0645
Spanish American	B:DRB1	1801:1601	0.00179	1	0.00143	0.21038	3.37521	1	0.2007
Spanish American	B:DRB1	5801:1601	0.00179	1	0.00166	0.23631	12.32944	1	0.0717
Spanish American	B:DRB1	0705:1301	0.00179	1	0.00159	0.47059	7.5565	1	0.1111
Spanish American	B:DRB1	1402:0405	0.00179	1	0.00155	0.1779	5.78019	1	0.1344
Spanish American	B:DRB1	4403:0405	0.00179	1	0.00113	0.13656	1.18635	1	0.3674
Spanish American	B:DRB1	3503:0801	0.00179	1	0.0017	0.32117	17.04933	1	0.0538
Spanish American	B:DRB1	5301:0901	0.00179	1	0.00137	0.07093	2.56862	1	0.2366
Spanish American	B:DRB1	4001:0801	0.00179	1	0.00171	0.3224	19.12468	1	0.0484
Spanish American	B:DRB1	5801:1001	0.00179	1	0.00131	0.07514	2.08105	1	0.2688
Spanish American	B:DRB1	4801:0901	0.00179	1	0.00154	0.12562	5.56282	1	0.138
Spanish American	B:DRB1	1515:1406	0.00179	1	0.00159	0.12881	7.17431	1	0.1129

Spanish American	B:DRB1	5703:1602	0.00179	1	0.00156	0.14835	6.07355	1	0.129
Spanish American	B:DRB1	3902:1602	0.00179	1	0.00172	0.48901	21.83927	1	0.043
Spanish American	B:DRB1	1516:1314	0.00179	1	0.00178	1	110.79856	1	0.009
Spanish American	B:DRB1	4403:1103	0.00179	1	0.0014	0.28046	2.99174	1	0.2204
Spanish American	B:DRB1	0702:0302	0.00179	1	0.00112	0.09416	1.10608	1	0.3763
Spanish American	B:DRB1	2703:1302	0.00179	1	0.00173	1	30.05386	1	0.0323
Spanish American	B:DRB1	5501:1301	0.00179	1	0.00119	0.11765	1.42711	1	0.3333
Spanish American	B:DRB1	5001:1602	0.00179	1	0.00129	0.06147	1.94255	1	0.2796
Spanish American	B:DRB1	5301:0404	0.00179	1	0.00075	0.03672	0.32526	1	0.5806
Spanish American	B:DRB1	3505:1502	0.00179	1	0.00175	0.49457	45.16732	1	0.0215
Spanish American	B:DRB1	4901:0802	0.00179	1	0.00071	0.03491	0.28283	1	0.6022
Spanish American	B:DRB1	5108:0301	0.00179	1	0.00164	1	10.64408	1	0.086
Spanish American	B:DRB1	0705:1001	0.00179	1	0.0017	0.48619	17.17537	1	0.0538
Spanish American	B:DRB1	4801:1402	0.00179	1	0.00161	0.13039	8.28589	1	0.1004
Spanish American	B:DRB1	0702:1602	0.00179	1	0.00064	0.03125	0.21078	1	0.6452
Spanish American	B:DRB1	5002:0101	0.00179	1	0.00159	0.47059	7.5565	1	0.1111
Spanish American	B:DRB1	3503:0403	0.00179	1	0.00154	0.10903	5.28758	1	0.1434
Spanish American	B:DRB1	3905:0102	0.00179	1	0.00094	0.04571	0.62426	1	0.4731
Spanish American	B:DRB1	3543:0802	0.00125	0.7	0.00107	0.31455	3.75914	0.69789	0.1004
Spanish American	C:B	3501:0401	0.05734	32	0.04795	0.93024	171.95499	31.99369	5.2401
Spanish American	C:B	0801:0701	0.05727	32	0.04995	0.93169	230.32193	31.95646	4.0824
Spanish American	C:B	0702:0702	0.05017	28	0.04439	0.92518	225.2411	27.99663	3.2258
Spanish American	C:B	4403:1601	0.04122	23	0.03687	0.67294	200.28388	23	2.4247
Spanish American	C:B	4402:0501	0.03226	18	0.03021	0.80821	272.89967	18	1.1434
Spanish American	C:B	1402:0802	0.02688	15	0.02601	1	462.43094	15	0.4839
Spanish American	C:B	5101:1502	0.02504	14	0.02335	0.8114	196.24966	13.97198	0.9444
Spanish American	C:B	5001:0602	0.02151	12	0.01958	0.91617	124.34874	12	1.0717
Spanish American	C:B	5301:0401	0.02151	12	0.01819	1	67.30795	12	1.8495
Spanish American	C:B	3905:0702	0.01971	11	0.0174	0.90663	83.66768	11	1.2903
Spanish American	C:B	4901:0701	0.01971	11	0.01713	0.9053	73.65632	11	1.4409
Spanish American	C:B	1801:1203	0.01792	10	0.01549	0.33711	61.03186	10	1.3548
Spanish American	C:B	3512:0401	0.01613	9	0.01364	1	50.20511	9	1.3871

Spanish American	C:B	1801:0501	0.01613	9	0.01352	0.28423	43.4421	9	1.4552
Spanish American	C:B	1503:0210	0.01613	9	0.01581	0.89818	450.14901	9	0.1792
Spanish American	C:B	1302:0602	0.01613	9	0.0148	1	101.81611	9	0.7419
Spanish American	C:B	3801:1203	0.01613	9	0.01535	1	179.90164	9	0.4355
Spanish American	C:B	3701:0602	0.01434	8	0.01316	1	90.33866	8	0.6595
Spanish American	C:B	4001:0304	0.01434	8	0.01338	0.8819	113.1861	8	0.5323
Spanish American	C:B	3906:0702	0.01434	8	0.0128	1	67.36582	8	0.8602
Spanish American	C:B	4403:0401	0.01434	8	0.00301	0.04847	0.57059	8	6.319
Spanish American	C:B	4801:0801	0.01254	7	0.01234	1	432.42468	7	0.1129
Spanish American	C:B	2705:0202	0.01254	7	0.01162	0.56461	86.98511	7	0.5161
Spanish American	C:B	1515:0102	0.01254	7	0.01196	1	145.0504	7	0.3262
Spanish American	C:B	4002:0304	0.01194	6.7	0.01014	0.35359	34.87548	6.66084	1.0054
Spanish American	C:B	3502:0401	0.01075	6	0.0091	1	33.28817	6	0.9247
Spanish American	C:B	1801:0701	0.01075	6	0.00473	0.10707	2.47662	6	3.362
Spanish American	C:B	5701:0602	0.01075	6	0.00972	0.84431	56.24638	6	0.5771
Spanish American	C:B	5101:1402	0.00896	5	0.00796	0.47059	38.33405	5	0.5556
Spanish American	C:B	5801:0701	0.00896	5	0.00681	0.43177	13.91134	5	1.2007
Spanish American	C:B	3503:0401	0.00896	5	0.0062	0.4089	9.34389	5	1.5412
Spanish American	C:B	3517:0401	0.00896	5	0.00703	0.66223	17.06235	5	1.0789
Spanish American	C:B	8101:1801	0.00896	5	0.00882	1	307.75769	5	0.0806
Spanish American	C:B	1501:0303	0.00896	5	0.00827	0.39722	58.05119	5	0.3871
Spanish American	C:B	1501:0102	0.00896	5	0.00746	0.24248	22.37728	5	0.8387
Spanish American	C:B	5801:0302	0.00896	5	0.0088	1	276.4774	5	0.0896
Spanish American	C:B	4403:0202	0.00896	5	0.0058	0.14555	6.69951	5	1.7634
Spanish American	C:B	2705:0102	0.00896	5	0.00796	0.38816	37.8075	5	0.5591
Spanish American	C:B	1516:1402	0.00896	5	0.0088	1	276.4774	5	0.0896
Spanish American	C:B	1501:0304	0.00894	5	0.00703	0.23162	15.87532	4.98717	1.0645
Spanish American	C:B	4002:0202	0.00773	4.3	0.00642	0.22005	18.8912	4.31114	0.7312
Spanish American	C:B	3908:0702	0.00717	4	0.0064	1	33.43971	4	0.4301
Spanish American	C:B	4002:0305	0.00717	4	0.00684	0.65619	83.11069	4	0.1828
Spanish American	C:B	5201:1202	0.00717	4	0.00701	1	183.31408	4	0.086
Spanish American	C:B	4004:0304	0.00717	4	0.00674	1	64.09583	4	0.2366



Spanish American	C:B	4501:1601	0.00717	4	0.00643	0.54449	33.43532	4	0.414
Spanish American	C:B	5703:1801	0.00717	4	0.007	0.6612	161.75018	4	0.0968
Spanish American	C:B	5802:0602	0.00538	3	0.00493	1	33.5718	3	0.2473
Spanish American	C:B	1518:0704	0.00538	3	0.00531	1	237.41931	3	0.0376
Spanish American	C:B	5201:0303	0.00538	3	0.00491	0.23352	30.42771	3	0.2581
Spanish American	C:B	4402:0704	0.00538	3	0.00488	0.40512	28.34551	3	0.276
Spanish American	C:B	4403:0701	0.00538	3	-0.00345	-0.39061	0.9213	3	4.9229
Spanish American	C:B	3503:1203	0.00538	3	0.00451	0.26441	14.00005	3	0.4839
Spanish American	C:B	5101:1602	0.00538	3	0.00488	0.57647	28.50246	3	0.2778
Spanish American	C:B	1401:0802	0.00538	3	0.00515	0.74167	66.48493	3	0.129
Spanish American	C:B	5501:0303	0.00538	3	0.00515	0.48901	65.99256	3	0.129
Spanish American	C:B	4501:0602	0.00538	3	0.00434	0.37723	11.2282	3	0.5771
Spanish American	C:B	4101:1701	0.00538	3	0.0053	0.59638	198.4656	3	0.0448
Spanish American	C:B	7801:1601	0.00358	2	0.00327	0.64571	20.00731	2	0.1774
Spanish American	C:B	3911:0702	0.00358	2	0.0032	1	16.65971	2	0.2151
Spanish American	C:B	5101:1509	0.00358	2	0.00329	0.64706	21.46836	2	0.1667
Spanish American	C:B	5201:1502	0.00358	2	0.00293	0.14048	7.70201	2	0.3656
Spanish American	C:B	3901:1203	0.00358	2	0.00332	0.64972	25.04046	2	0.1452
Spanish American	C:B	1517:0701	0.00358	2	0.00315	1	14.70944	2	0.2401
Spanish American	C:B	5601:0102	0.00358	2	0.00333	0.65038	26.10536	2	0.1398
Spanish American	C:B	3543:0102	0.00358	2	0.00342	1	41.07028	2	0.0932
Spanish American	C:B	3903:0702	0.00358	2	0.0032	1	16.65971	2	0.2151
Spanish American	C:B	4701:0602	0.00358	2	0.00329	1	22.34094	2	0.1649
Spanish American	C:B	5501:0102	0.00358	2	0.00308	0.30075	11.22539	2	0.2796
Spanish American	C:B	5703:0701	0.00358	2	0.00229	0.24236	2.61086	2	0.7204
Spanish American	C:B	5102:0801	0.00358	2	0.00353	1	122.43885	2	0.0323
Spanish American	C:B	3505:0401	0.00358	2	0.00303	1	11.01623	2	0.3082
Spanish American	C:B	4201:1701	0.00358	2	0.00355	1	221.99568	2	0.0179
Spanish American	C:B	2702:0202	0.00358	2	0.00343	1	44.66007	2	0.086
Spanish American	C:B	3902:0702	0.00358	2	0.0032	1	16.65971	2	0.2151
Spanish American	C:B	0705:1505	0.00358	2	0.00357	1	558	2	0.0072
Spanish American	C:B	5101:1601	0.00358	2	0.0003	0.00571	0.01705	2	1.8333

Spanish American	C:B	5101:0202	0.00303	1.7	0.00064	0.01568	0.10489	1.68886	1.3333
Spanish American	C:B	5101:0304	0.0024	1.3	-0.00089	-0.26955	0.14991	1.33916	1.8333
Spanish American	C:B	0801:0304	0.00186	1	-0.00174	-0.4827	0.53025	1.04017	2.0108
Spanish American	C:B	4101:0701	0.00185	1	0.00078	0.09848	0.35859	1.03364	0.6004
Spanish American	C:B	4002:1502	0.00184	1	0.00091	0.03095	0.53446	1.02802	0.5179
Spanish American	C:B	1501:0701	0.0018	1	-0.00207	-0.53429	0.72455	1.00653	2.1613
Spanish American	C:B	1501:0401	0.0018	1	-0.00317	-0.63726	1.37627	1.00631	2.7742
Spanish American	C:B	3501:0304	0.0018	1	-0.0018	-0.49954	0.5679	1.00631	2.0108
Spanish American	C:B	0702:0701	0.0018	1	-0.00466	-0.72145	2.2518	1.00337	3.6022
Spanish American	C:B	0801:0702	0.0018	1	-0.00475	-0.72555	2.29634	1.00337	3.6559
Spanish American	C:B	7801:0401	0.00179	1	0.00096	0.21186	0.74306	1	0.4624
Spanish American	C:B	5201:0306	0.00179	1	0.00172	0.48901	21.83927	1	0.043
Spanish American	C:B	5101:0501	0.00179	1	-0.0011	-0.37931	0.25889	1	1.6111
Spanish American	C:B	1801:1205	0.00179	1	0.0017	1	18.96255	1	0.0502
Spanish American	C:B	1801:0210	0.00179	1	0.00089	0.05245	0.53028	1	0.5018
Spanish American	C:B	0702:0304	0.00179	1	-0.00139	-0.43636	0.37947	1	1.7742
Spanish American	C:B	3924:0701	0.00179	1	0.00158	1	7.34152	1	0.1201
Spanish American	C:B	5201:0202	0.00179	1	0.00087	0.04213	0.48443	1	0.5161
Spanish American	C:B	5201:0304	0.00179	1	0.00052	0.02571	0.12901	1	0.7097
Spanish American	C:B	4430:1601	0.00179	1	0.00169	1	15.93765	1	0.0591
Spanish American	C:B	3501:0305	0.00179	1	0.00114	0.1126	1.18506	1	0.3656
Spanish American	C:B	4002:0306	0.00179	1	0.00168	0.48429	14.98117	1	0.0609
Spanish American	C:B	4001:0202	0.00179	1	0.0011	0.07116	1.03067	1	0.3871
Spanish American	C:B	1507:0102	0.00179	1	0.00171	1	20.49827	1	0.0466
Spanish American	C:B	5101:0102	0.00179	1	-0.0008	-0.30769	0.15187	1	1.4444
Spanish American	C:B	1501:0704	0.00179	1	0.00139	0.11429	2.7777	1	0.2258
Spanish American	C:B	3905:0401	0.00179	1	-0.00152	-0.4593	0.47139	1	1.8495
Spanish American	C:B	5701:0701	0.00179	1	0.00029	0.02589	0.03483	1	0.8405
Spanish American	C:B	5501:0401	0.00179	1	0.00013	0.01483	0.00732	1	0.9247
Spanish American	C:B	3504:0401	0.00179	1	0.00152	1	5.49823	1	0.1541
Spanish American	C:B	5401:0102	0.00179	1	0.00171	1	20.49827	1	0.0466
Spanish American	C:B	5702:0401	0.00179	1	0.00152	1	5.49823	1	0.1541

Spanish American	C:B	4403:1602	0.00179	1	0.00113	0.13656	1.18635	1	0.3674
Spanish American	C:B	1801:1601	0.00179	1	-0.00118	-0.3961	0.29073	1	1.6559
Spanish American	C:B	3508:1203	0.00179	1	0.00171	1	19.70197	1	0.0484
Spanish American	C:B	1540:0303	0.00179	1	0.00175	1	45.58169	1	0.0215
Spanish American	C:B	3920:1203	0.00179	1	0.00171	1	19.70197	1	0.0484
Spanish American	C:B	4901:0602	0.00179	1	0.00002	0.00098	0.00013	1	0.9892
Spanish American	C:B	3517:1509	0.00179	1	0.00172	0.32486	25.05641	1	0.0376
Spanish American	C:B	3503:0702	0.00179	1	-0.00013	-0.07	0.00601	1	1.0753
Spanish American	C:B	4005:0304	0.00179	1	0.00169	1	15.93765	1	0.0591
Spanish American	C:B	1804:1212	0.00179	1	0.00179	1	558	1	0.0018
Spanish American	C:B	4402:0202	0.00179	1	0.0001	0.00255	0.00332	1	0.9462
Spanish American	C:B	3901:0702	0.00179	1	0.00121	0.25301	1.60259	1	0.3226
Spanish American	C:B	3517:0304	0.00179	1	0.00105	0.08898	0.89291	1	0.414
Spanish American	C:B	5601:0501	0.00179	1	0.00151	0.29679	4.84628	1	0.1559
Spanish American	C:B	4403:0304	0.00179	1	-0.00255	-0.58758	0.96033	1	2.4247
Spanish American	C:B	1401:1406	0.00179	1	0.00178	1	138.74865	1	0.0072
Spanish American	C:B	5002:0602	0.00179	1	0.0015	0.45508	4.62672	1	0.1649
Spanish American	C:B	5002:0401	0.00179	1	0.00124	0.4089	1.84189	1	0.3082
Spanish American	C:B	1503:1203	0.00179	1	0.00092	0.05424	0.58909	1	0.4839
Spanish American	C:B	3531:0305	0.00179	1	0.00177	1	92.16517	1	0.0108
Spanish American	C:B	3503:0602	0.00179	1	0.00031	0.01914	0.04152	1	0.8244
Spanish American	C:B	2703:0202	0.00179	1	0.00172	1	22.28995	1	0.043
Spanish American	C:B	5001:0701	0.00179	1	-0.00101	-0.35936	0.23455	1	1.5609
Spanish American	C:B	5108:1602	0.00179	1	0.00178	1	110.79856	1	0.009
Spanish American	C:B	4101:0304	0.00173	1	0.0012	0.14256	1.6313	0.96636	0.2957
Spanish American	C:DRB1	0701:0301	0.04404	24.6	0.03371	0.44531	76.31916	24.57173	5.7634
Spanish American	C:DRB1	1601:0701	0.03843	21.4	0.03133	0.60209	93.17833	21.44557	3.9624
Spanish American	C:DRB1	0702:1501	0.03001	16.7	0.02308	0.40078	51.30568	16.74778	3.871
Spanish American	C:DRB1	0602:0701	0.02488	13.9	0.01498	0.20649	15.66488	13.88133	5.5233
Spanish American	C:DRB1	0702:0407	0.02469	13.8	0.01814	0.33355	33.43434	13.77731	3.6559
Spanish American	C:DRB1	0401:0101	0.02174	12.1	0.01318	0.28045	14.16879	12.13174	4.7778
Spanish American	C:DRB1	0501:0301	0.0203	11.3	0.01582	0.33315	36.07249	11.3248	2.4946

Spanish American	C:DRB1	0401:0802	0.01834	10.2	0.01061	0.24997	10.1096	10.23584	4.3154
Spanish American	C:DRB1	0602:1001	0.01536	8.6	0.01315	0.53303	48.74573	8.57285	1.2366
Spanish American	C:DRB1	0802:0102	0.01434	8	0.01306	0.42164	80.56219	7.99991	0.7097
Spanish American	C:DRB1	0102:0802	0.01391	7.8	0.01158	0.26157	35.31686	7.76416	1.3047
Spanish American	C:DRB1	0401:0701	0.01327	7.4	-0.00524	-0.28289	1.11023	7.40502	10.3262
Spanish American	C:DRB1	0401:0407	0.01251	7	0.00312	0.06046	0.72641	6.97901	5.2401
Spanish American	C:DRB1	0701:0701	0.0124	6.9	-0.00202	-0.13989	0.20334	6.91938	8.0448
Spanish American	C:DRB1	0401:1501	0.0117	6.5	0.00176	0.03218	0.21865	6.52818	5.5484
Spanish American	C:DRB1	0401:1104	0.01075	6	0.00633	0.26112	6.16436	6	2.4659
Spanish American	C:DRB1	0202:0102	0.01075	6	0.00906	0.24004	29.36246	6	0.9462
Spanish American	C:DRB1	1203:1501	0.01014	5.7	0.00702	0.15502	9.88705	5.65753	1.7419
Spanish American	C:DRB1	0602:0301	0.00913	5.1	0.00204	0.02704	0.38934	5.09365	3.957
Spanish American	C:DRB1	0304:0411	0.00896	5	0.00748	0.31673	22.91923	5	0.828
Spanish American	C:DRB1	0802:0701	0.00896	5	0.00509	0.17918	4.37605	4.99922	2.1613
Spanish American	C:DRB1	0701:1301	0.00874	4.9	0.00207	0.04243	0.43306	4.87964	3.7222
Spanish American	C:DRB1	0501:1301	0.00838	4.7	0.00549	0.11187	6.50848	4.6752	1.6111
Spanish American	C:DRB1	0401:0404	0.00819	4.6	0.00073	0.01793	0.05007	4.57083	4.1613
Spanish American	C:DRB1	0304:0404	0.0079	4.4	0.00503	0.11057	5.51826	4.40554	1.5968
Spanish American	C:DRB1	1601:1301	0.00787	4.4	0.00459	0.08777	4.02251	4.39322	1.8333
Spanish American	C:DRB1	0102:0404	0.00782	4.4	0.00556	0.12545	8.44096	4.36203	1.2581
Spanish American	C:DRB1	0401:1101	0.00746	4.2	0.00111	0.03172	0.13248	4.16195	3.5448
Spanish American	C:DRB1	0702:1104	0.00717	4	0.00409	0.15964	3.48424	4	1.7204
Spanish American	C:DRB1	0702:1406	0.00717	4	0.00543	0.37751	10.8203	4	0.9677
Spanish American	C:DRB1	0401:1401	0.00717	4	0.00441	0.29068	4.72195	4	1.5412
Spanish American	C:DRB1	0701:1302	0.00717	4	0.0033	0.11609	1.83699	4	2.1613
Spanish American	C:DRB1	0304:1602	0.00717	4	0.0059	0.29143	16.57038	4	0.7097
Spanish American	C:DRB1	0202:1101	0.00688	3.8	0.00511	0.12943	8.94115	3.83805	0.9892
Spanish American	C:DRB1	0701:1303	0.00649	3.6	0.0052	0.54908	13.40063	3.61934	0.7204
Spanish American	C:DRB1	1203:0701	0.00599	3.3	0.00018	0.00423	0.00372	3.34247	3.2419
Spanish American	C:DRB1	1502:0407	0.00592	3.3	0.00407	0.14219	5.46343	3.30576	1.0358
Spanish American	C:DRB1	0602:1301	0.00575	3.2	0.00117	0.02295	0.19248	3.20845	2.5556
Spanish American	C:DRB1	0702:0101	0.00571	3.2	-0.00026	-0.04429	0.00776	3.18571	3.3333

Spanish American	C:DRB1	0602:1501	0.00548	3.1	0.00016	0.00269	0.00311	3.0567	2.9677
Spanish American	C:DRB1	0501:1101	0.00538	3	0.00323	0.08276	2.99749	3	1.1953
Spanish American	C:DRB1	0305:0407	0.00538	3	0.00472	0.46756	20.4347	3	0.3656
Spanish American	C:DRB1	0401:1503	0.00538	3	0.00289	0.21186	2.25353	3	1.3871
Spanish American	C:DRB1	0401:1402	0.00538	3	0.00317	0.26112	3.03735	3	1.233
Spanish American	C:DRB1	0501:0401	0.00538	3	0.00417	0.1886	8.63616	3	0.6756
Spanish American	C:DRB1	1203:1502	0.00538	3	0.00486	0.47458	26.86514	3	0.2903
Spanish American	C:DRB1	0304:0401	0.00538	3	0.004	0.18242	7.04628	3	0.7688
Spanish American	C:DRB1	0304:1302	0.00538	3	0.00347	0.11429	3.86494	3	1.0645
Spanish American	C:DRB1	0602:0901	0.00538	3	0.00375	0.20739	5.3717	3	0.9068
Spanish American	C:DRB1	0202:0901	0.00538	3	0.00453	0.24004	14.386	3	0.4731
Spanish American	C:DRB1	0801:0802	0.00538	3	0.00457	0.29811	15.38809	3	0.4516
Spanish American	C:DRB1	0701:1503	0.00538	3	0.00344	0.24236	3.93769	3	1.0806
Spanish American	C:DRB1	0102:0101	0.00509	2.8	0.0025	0.05683	1.49742	2.84001	1.4444
Spanish American	C:DRB1	1502:0101	0.00502	2.8	0.00333	0.11566	3.98725	2.80137	0.9444
Spanish American	C:DRB1	0304:0407	0.00487	2.7	0.00126	0.02273	0.27935	2.71523	2.0108
Spanish American	C:DRB1	0303:0701	0.00458	2.6	0.002	0.10551	1.00045	2.55493	1.4409
Spanish American	C:DRB1	0401:1303	0.00427	2.4	0.00261	0.28687	2.73938	2.38066	0.9247
Spanish American	C:DRB1	0401:1301	0.0042	2.3	-0.00437	-0.51005	1.55588	2.34085	4.7778
Spanish American	C:DRB1	0401:1001	0.00406	2.3	-0.00008	-0.01985	0.00111	2.26593	2.3118
Spanish American	C:DRB1	0303:0407	0.00392	2.2	0.00261	0.12936	3.16269	2.18889	0.7312
Spanish American	C:DRB1	1602:0701	0.00392	2.2	0.00284	0.36063	4.80858	2.18701	0.6004
Spanish American	C:DRB1	0202:0101	0.00387	2.2	0.00148	0.03656	0.56975	2.16195	1.3333
Spanish American	C:DRB1	0702:0404	0.00364	2	-0.00156	-0.29947	0.30657	2.0338	2.9032
Spanish American	C:DRB1	0701:1501	0.0036	2	-0.00414	-0.53504	1.50327	2.00982	4.3226
Spanish American	C:DRB1	0701:0102	0.00358	2	-0.00115	-0.24284	0.1843	2.00009	2.6416
Spanish American	C:DRB1	0801:0404	0.00358	2	0.0028	0.18267	6.00329	2	0.4355
Spanish American	C:DRB1	0306:0802	0.00358	2	0.0034	1	37.99332	2	0.1004
Spanish American	C:DRB1	0602:1201	0.00358	2	0.00299	0.45508	9.28685	2	0.3297
Spanish American	C:DRB1	0401:0411	0.00358	2	-0.00028	-0.07309	0.01398	2	2.1577
Spanish American	C:DRB1	0701:1104	0.00358	2	0.00014	0.0056	0.00379	2	1.9211
Spanish American	C:DRB1	0701:0404	0.00358	2	-0.00223	-0.38308	0.56818	2	3.2419

Spanish American	C:DRB1	0303:0802	0.00358	2	0.00251	0.12264	3.49153	2	0.6022
Spanish American	C:DRB1	0304:0901	0.00358	2	0.00242	0.13039	3.03509	2	0.6505
Spanish American	C:DRB1	0701:1102	0.00358	2	0.00272	0.43177	5.50427	2	0.4803
Spanish American	C:DRB1	0701:0405	0.00358	2	0.00251	0.31813	3.74184	2	0.6004
Spanish American	C:DRB1	0702:0103	0.00358	2	0.00301	0.62651	9.82632	2	0.3226
Spanish American	C:DRB1	1502:0402	0.00358	2	0.00326	0.31238	18.83535	2	0.1828
Spanish American	C:DRB1	0102:1406	0.00358	2	0.00283	0.18421	6.35143	2	0.4194
Spanish American	C:DRB1	1502:0411	0.00358	2	0.00282	0.11592	6.14116	2	0.4265
Spanish American	C:DRB1	1203:0101	0.00358	2	0.0009	0.01961	0.18544	2	1.5
Spanish American	C:DRB1	0702:1401	0.00358	2	0.00166	0.10361	0.90735	2	1.0753
Spanish American	C:DRB1	1202:1502	0.00358	2	0.00351	0.49457	90.66077	2	0.043
Spanish American	C:DRB1	0401:0302	0.00358	2	0.00165	0.15557	0.94161	2	1.0789
Spanish American	C:DRB1	0210:0102	0.00358	2	0.00288	0.16716	6.93238	2	0.3943
Spanish American	C:DRB1	0702:1402	0.00358	2	0.00204	0.15964	1.71678	2	0.8602
Spanish American	C:DRB1	0702:0411	0.00358	2	0.00089	0.03959	0.18679	2	1.5054
Spanish American	C:DRB1	0702:0302	0.00358	2	0.00224	0.19966	2.34543	2	0.7527
Spanish American	C:DRB1	0702:0403	0.00358	2	0.00204	0.15964	1.71678	2	0.8602
Spanish American	C:DRB1	1402:1301	0.00358	2	0.00259	0.15294	4.04903	2	0.5556
Spanish American	C:DRB1	1801:1302	0.00358	2	0.00306	0.1963	10.57426	2	0.2903
Spanish American	C:DRB1	0202:0701	0.00358	2	-0.00158	-0.30597	0.32037	2	2.8817
Spanish American	C:DRB1	0102:1503	0.00358	2	0.00283	0.18421	6.35143	2	0.4194
Spanish American	C:DRB1	1203:1101	0.00358	2	0.00159	0.04053	0.77501	2	1.1129
Spanish American	C:DRB1	0210:0301	0.00358	2	0.00204	0.12471	1.68251	2	0.8602
Spanish American	C:DRB1	1601:1302	0.00358	2	0.00168	0.05524	0.90289	2	1.0645
Spanish American	C:DRB1	0501:0402	0.00358	2	0.00303	0.29679	9.74523	2	0.3118
Spanish American	C:DRB1	0801:1402	0.00358	2	0.00335	0.2377	27.97484	2	0.129
Spanish American	C:DRB1	1203:0403	0.00358	2	0.00289	0.21186	7.16487	2	0.3871
Spanish American	C:DRB1	0401:0405	0.00358	2	0.0022	0.29068	2.33963	2	0.7706
Spanish American	C:DRB1	0602:1102	0.00358	2	0.00299	0.45508	9.28685	2	0.3297
Spanish American	C:DRB1	1701:1302	0.00358	2	0.0033	0.38	21.85584	2	0.1613
Spanish American	C:DRB1	1701:0302	0.00358	2	0.00347	0.39238	61.14216	2	0.0627
Spanish American	C:DRB1	0210:1101	0.00358	2	0.00285	0.16561	6.4959	2	0.4122

Spanish American	C:DRB1	1601:1401	0.00358	2	0.00252	0.14971	3.63099	2	0.5914
Spanish American	C:DRB1	1509:0404	0.00358	2	0.00332	0.64972	25.04046	2	0.1452
Spanish American	C:DRB1	0304:0802	0.00358	2	0.00062	0.01306	0.08001	2	1.6559
Spanish American	C:DRB1	1801:1301	0.00358	2	0.00269	0.17647	4.84282	2	0.5
Spanish American	C:DRB1	0304:0101	0.00337	1.9	0.00008	0.00157	0.00129	1.87923	1.8333
Spanish American	C:DRB1	1502:0404	0.00292	1.6	0.00144	0.04977	0.85434	1.6278	0.8226
Spanish American	C:DRB1	0303:1301	0.00259	1.4	0.00139	0.06868	0.98348	1.44507	0.6667
Spanish American	C:DRB1	1502:0701	0.00227	1.3	-0.00139	-0.38024	0.34593	1.26507	2.0412
Spanish American	C:DRB1	0702:0401	0.00213	1.2	-0.00037	-0.14949	0.03584	1.18889	1.3978
Spanish American	C:DRB1	0602:1101	0.00213	1.2	-0.00127	-0.37396	0.3014	1.18701	1.8961
Spanish American	C:DRB1	1601:1001	0.00208	1.2	0.00049	0.01942	0.09252	1.16122	0.8871
Spanish American	C:DRB1	0702:1301	0.00189	1.1	-0.00408	-0.68299	1.84474	1.0567	3.3333
Spanish American	C:DRB1	0102:0407	0.00185	1	-0.00099	-0.34744	0.2136	1.0338	1.5842
Spanish American	C:DRB1	0702:0301	0.00181	1	-0.00744	-0.80435	4.09369	1.00982	5.1613
Spanish American	C:DRB1	0704:1302	0.00179	1	0.00139	0.11429	2.7777	1	0.2258
Spanish American	C:DRB1	0704:1301	0.00179	1	0.0011	0.09244	1.02972	1	0.3889
Spanish American	C:DRB1	1203:1104	0.00179	1	0.0004	0.01483	0.07125	1	0.7742
Spanish American	C:DRB1	1203:0901	0.00179	1	0.00084	0.04468	0.44063	1	0.5323
Spanish American	C:DRB1	1205:1101	0.00179	1	0.00172	1	23.30263	1	0.0412
Spanish American	C:DRB1	0210:1304	0.00179	1	0.00173	0.49088	26.50412	1	0.0358
Spanish American	C:DRB1	0305:0404	0.00179	1	0.00127	0.12429	1.84279	1	0.2903
Spanish American	C:DRB1	0304:1501	0.00179	1	-0.00202	-0.5303	0.68025	1	2.129
Spanish American	C:DRB1	1509:1406	0.00179	1	0.00171	0.3224	19.12468	1	0.0484
Spanish American	C:DRB1	0202:0411	0.00179	1	0.00071	0.0297	0.28175	1	0.6022
Spanish American	C:DRB1	1801:1304	0.00179	1	0.00173	0.4918	29.61434	1	0.0323
Spanish American	C:DRB1	1402:1104	0.00179	1	0.00128	0.07343	1.85995	1	0.2867
Spanish American	C:DRB1	0501:1306	0.00179	1	0.0017	1	18.27413	1	0.052
Spanish American	C:DRB1	1801:0301	0.00179	1	0.0004	0.02745	0.07324	1	0.7742
Spanish American	C:DRB1	1801:1201	0.00179	1	0.00168	0.2377	13.88643	1	0.0645
Spanish American	C:DRB1	0704:1104	0.00179	1	0.00143	0.11755	3.31845	1	0.2007
Spanish American	C:DRB1	0704:1602	0.00179	1	0.00152	0.12402	4.96098	1	0.1505
Spanish American	C:DRB1	0501:0901	0.00179	1	0.00077	0.04107	0.3453	1	0.5717

Spanish American	C:DRB1	0202:1401	0.00179	1	0.00102	0.05955	0.80344	1	0.4301
Spanish American	C:DRB1	1402:0404	0.00179	1	0.00092	0.05424	0.58909	1	0.4839
Spanish American	C:DRB1	0302:0301	0.00179	1	0.00102	0.12471	0.83365	1	0.4301
Spanish American	C:DRB1	0704:0404	0.00179	1	0.00119	0.09927	1.37398	1	0.3387
Spanish American	C:DRB1	1203:1503	0.00179	1	0.00101	0.06591	0.7816	1	0.4355
Spanish American	C:DRB1	0701:1502	0.00179	1	0.0005	0.05295	0.12463	1	0.7204
Spanish American	C:DRB1	1502:1406	0.00179	1	0.0013	0.08318	2.01411	1	0.2742
Spanish American	C:DRB1	1402:0302	0.00179	1	0.00157	0.12722	6.287	1	0.1254
Spanish American	C:DRB1	0305:0411	0.00179	1	0.00152	0.14522	4.9702	1	0.1505
Spanish American	C:DRB1	0305:0807	0.00179	1	0.00177	1	92.16517	1	0.0108
Spanish American	C:DRB1	0802:1201	0.00179	1	0.00156	0.225	6.11886	1	0.129
Spanish American	C:DRB1	0701:0401	0.00179	1	-0.00101	-0.35936	0.23455	1	1.5609
Spanish American	C:DRB1	1502:1101	0.00179	1	0.00054	0.01836	0.13751	1	0.7007
Spanish American	C:DRB1	0704:1101	0.00179	1	0.00128	0.10601	1.85304	1	0.2885
Spanish American	C:DRB1	0102:1405	0.00179	1	0.00171	1	20.49827	1	0.0466
Spanish American	C:DRB1	1502:1301	0.00179	1	0.0001	0.00346	0.00357	1	0.9444
Spanish American	C:DRB1	0501:0101	0.00179	1	-0.0011	-0.37931	0.25889	1	1.6111
Spanish American	C:DRB1	1203:1103	0.00179	1	0.00153	0.29944	5.31861	1	0.1452
Spanish American	C:DRB1	0802:1101	0.00179	1	0.00046	0.01495	0.09674	1	0.7419
Spanish American	C:DRB1	0802:1501	0.00179	1	-0.00029	-0.13889	0.02474	1	1.1613
Spanish American	C:DRB1	0401:1602	0.00179	1	-0.00152	-0.4593	0.47139	1	1.8495
Spanish American	C:DRB1	0210:1602	0.00179	1	0.00141	0.08022	2.98145	1	0.2151
Spanish American	C:DRB1	0701:0408	0.00179	1	0.00158	1	7.34152	1	0.1201
Spanish American	C:DRB1	0302:0701	0.00179	1	0.00072	0.09084	0.30507	1	0.6004
Spanish American	C:DRB1	0302:0901	0.00179	1	0.00162	0.18391	8.48584	1	0.0986
Spanish American	C:DRB1	0602:0401	0.00179	1	-0.00013	-0.06689	0.00535	1	1.0717
Spanish American	C:DRB1	0202:0403	0.00179	1	0.00118	0.08567	1.32553	1	0.3441
Spanish American	C:DRB1	1402:1001	0.00179	1	0.00131	0.07514	2.08105	1	0.2688
Spanish American	C:DRB1	1203:1407	0.00179	1	0.00171	1	19.70197	1	0.0484
Spanish American	C:DRB1	0202:0402	0.00179	1	0.00133	0.12921	2.25316	1	0.2581
Spanish American	C:DRB1	0210:1302	0.00179	1	0.00121	0.07	1.49682	1	0.3226
Spanish American	C:DRB1	0701:1101	0.00179	1	-0.00316	-0.6379	1.332	1	2.7616



Spanish American	C:DRB1	0304:1301	0.00179	1	-0.00149	-0.45455	0.42628	1	1.8333
Spanish American	C:DRB1	0303:0101	0.00179	1	0.0006	0.02941	0.18035	1	0.6667
Spanish American	C:DRB1	1602:0402	0.00179	1	0.0017	0.1913	16.987	1	0.0538
Spanish American	C:DRB1	0801:0103	0.00179	1	0.00171	0.3224	19.12468	1	0.0484
Spanish American	C:DRB1	0303:1103	0.00179	1	0.00168	0.31868	13.93757	1	0.0645
Spanish American	C:DRB1	1203:1301	0.00179	1	-0.0009	-0.33333	0.18544	1	1.5
Spanish American	C:DRB1	1601:1404	0.00179	1	0.00158	0.46857	7.0111	1	0.1183
Spanish American	C:DRB1	0102:1101	0.00179	1	-0.00013	-0.06689	0.00525	1	1.0717
Spanish American	C:DRB1	1701:0101	0.00179	1	0.00129	0.15294	2.00621	1	0.2778
Spanish American	C:DRB1	0102:0401	0.00179	1	0.00071	0.03181	0.27558	1	0.6057
Spanish American	C:DRB1	0801:0403	0.00179	1	0.00156	0.11066	6.06232	1	0.129
Spanish American	C:DRB1	1203:0804	0.00179	1	0.00162	0.47458	8.89062	1	0.0968
Spanish American	C:DRB1	0401:0102	0.00179	1	-0.00428	-0.70507	2.07452	1	3.3907
Spanish American	C:DRB1	0802:0101	0.00179	1	0	0	0	1	1
Spanish American	C:DRB1	1402:1302	0.00179	1	0.00121	0.07	1.49682	1	0.3226
Spanish American	C:DRB1	0401:0803	0.00179	1	0.00152	1	5.49823	1	0.1541
Spanish American	C:DRB1	0302:0403	0.00179	1	0.00166	0.18836	12.30682	1	0.0717
Spanish American	C:DRB1	0401:1601	0.00179	1	0.00069	0.11335	0.28409	1	0.6165
Spanish American	C:DRB1	1212:1104	0.00179	1	0.00174	1	33.93582	1	0.0287
Spanish American	C:DRB1	0704:1601	0.00179	1	0.0017	0.24047	18.33862	1	0.0502
Spanish American	C:DRB1	0210:1404	0.00179	1	0.00173	0.49088	26.50412	1	0.0358
Spanish American	C:DRB1	1202:0407	0.00179	1	0.00136	0.20134	2.51698	1	0.2437
Spanish American	C:DRB1	0304:1402	0.00179	1	0.00094	0.07	0.63271	1	0.4731
Spanish American	C:DRB1	0602:0102	0.00179	1	-0.00146	-0.44862	0.41412	1	1.8136
Spanish American	C:DRB1	1801:0401	0.00179	1	0.00142	0.08991	3.09996	1	0.2097
Spanish American	C:DRB1	0102:1001	0.00179	1	0.00054	0.02105	0.13979	1	0.6989
Spanish American	C:DRB1	0501:0404	0.00179	1	-0.00072	-0.28736	0.12844	1	1.4032
Spanish American	C:DRB1	0602:1406	0.00179	1	0.00046	0.03125	0.09943	1	0.7419
Spanish American	C:DRB1	0202:0802	0.00179	1	-0.00037	-0.16964	0.03813	1	1.2043
Spanish American	C:DRB1	0202:0401	0.00179	1	0.00079	0.03544	0.37189	1	0.5591
Spanish American	C:DRB1	1402:0102	0.00179	1	0.00109	0.06306	0.98651	1	0.3943
Spanish American	C:DRB1	0701:0403	0.00179	1	0.00007	0.0056	0.00187	1	0.9606

Spanish American	C:DRB1	0304:0410	0.00179	1	0.00158	0.46857	7.0111	1	0.1183
Spanish American	C:DRB1	0701:0804	0.00179	1	0.00136	0.43177	2.74224	1	0.2401
Spanish American	C:DRB1	1203:0102	0.00179	1	-0.00012	-0.06061	0.00428	1	1.0645
Spanish American	C:DRB1	1406:0411	0.00179	1	0.00175	1	38.9269	1	0.0251
Spanish American	C:DRB1	0602:0406	0.00179	1	0.00164	1	11.15042	1	0.0824
Spanish American	C:DRB1	1202:0301	0.00179	1	0.00118	0.17941	1.37789	1	0.3441
Spanish American	C:DRB1	0701:1305	0.00179	1	0.00158	1	7.34152	1	0.1201
Spanish American	C:DRB1	0303:1401	0.00179	1	0.00141	0.08022	2.98145	1	0.2151
Spanish American	C:DRB1	1502:0801	0.00179	1	0.00163	0.31238	9.36677	1	0.0914
Spanish American	C:DRB1	0102:0410	0.00179	1	0.00163	0.47556	9.2885	1	0.0932
Spanish American	C:DRB1	0701:1601	0.00179	1	0.00093	0.14766	0.64373	1	0.4803
Spanish American	C:DRB1	1203:1601	0.00179	1	0.00145	0.21186	3.55657	1	0.1935
Spanish American	C:DRB1	1505:1301	0.00179	1	0.00159	0.47059	7.5565	1	0.1111
Spanish American	C:DRB1	0802:0405	0.00179	1	0.0015	0.17333	4.54741	1	0.1613
Spanish American	C:DRB1	0401:0801	0.00179	1	0.00096	0.21186	0.74306	1	0.4624
Spanish American	C:DRB1	0302:0801	0.00179	1	0.00174	0.32731	35.73753	1	0.0269
Spanish American	C:DRB1	0304:1001	0.00179	1	0.0002	0.008	0.01569	1	0.8871
Spanish American	C:DRB1	1801:1602	0.00179	1	0.00145	0.09158	3.49036	1	0.1935
Spanish American	C:DRB1	0702:1602	0.00179	1	-0.00052	-0.225	0.0748	1	1.2903
Spanish American	C:DRB1	0501:1602	0.00179	1	0.00067	0.03308	0.24482	1	0.6237
Spanish American	C:DRB1	1402:1314	0.00179	1	0.00176	1	54.89838	1	0.0179
Spanish American	C:DRB1	1601:1103	0.00179	1	0.00147	0.29143	4.07542	1	0.1774
Spanish American	C:DRB1	0202:1302	0.00179	1	0.0004	0.01311	0.07111	1	0.7742
Spanish American	C:DRB1	0102:1302	0.00179	1	0.00029	0.0094	0.03362	1	0.8387
Spanish American	C:DRB1	1402:1602	0.00179	1	0.00141	0.08022	2.98145	1	0.2151
Spanish American	C:DRB1	1602:1602	0.00179	1	0.0016	0.18242	7.63878	1	0.1075
Spanish American	C:DRB1	1505:0301	0.00179	1	0.00148	0.45294	4.37524	1	0.172
Spanish American	C:DRB1	1602:1101	0.00146	0.8	0.00109	0.1266	1.88083	0.81299	0.2061
Spanish American	C:DRB1	0303:0401	0.00145	0.8	0.00095	0.04535	1.05747	0.81111	0.2796