

SNP NAME	POSITION	
	CHROMOSOME	BP
BTA28763NORS	1	0
BTA29334NORS	1	0
BTA29644NORS	1	0
BTA103663NORS	1	1329
BTA95262NORS	1	4975
HAPMAP42400BTA102731	1	5266
BTA40478NORS	1	10742
BTA36593NORS	1	19391
BTA94921NORS	1	22000
HAPMAP47551BTA25902	1	27165
HAPMAP52416RS29016842	1	28596
BTA47238NORS	1	34225
BTA103555NORS	1	46372
HAPMAP41451BTA119981	1	80505
HAPMAP43437BTA101873	1	113642
HAPMAP57391RS29026905	1	122740
HAPMAP58800RS29016980	1	155636
ARSBFGLNGS16466	1	244699
HAPMAP50221BTA112986	1	325820
HAPMAP34944BES1CONTIG6271906	1	369419
BTA07251NORS	1	410351
ARSBFGLNGS98142	1	447278
HAPMAP53946RS29015852	1	487654

GENE		ANG	PVALUE	BDE	PVALUE	CWI	PVALUE
	0	-0.0051	0.5830	-0.0069	0.6508	-0.0040	0.7896
	0	0.0068	0.4794	-0.0057	0.7029	0.0100	0.5652
	0	-0.0007	0.9360	0.0285	0.0904	0.0269	0.1121
	0	0.0043	0.6518	-0.0007	0.9373	0.0049	0.7916
	0	0.0131	0.1691	0.0087	0.6237	-0.0032	0.8250
	0	0.0074	0.4396	0.0051	0.7828	0.0011	0.9715
	0	0.0003	0.9791	0.0224	0.1845	0.0210	0.2173
	0	-0.0047	0.6114	-0.0123	0.4357	-0.0083	0.5968
	0	-0.0026	0.7786	-0.0061	0.6869	-0.0106	0.5041
	0	-0.0128	0.1730	0.0064	0.7227	0.0180	0.2920
	0	0.0094	0.3217	-0.0006	0.9424	-0.0071	0.6488
	0	-0.0062	0.5084	0.0257	0.1281	0.0335	0.0470
	0	-0.0052	0.5752	0.0042	0.8257	0.0110	0.5279
	0	0.0068	0.4735	0.0064	0.7235	0.0264	0.1190
CLIC6		0.0010	0.9218	-0.0193	0.2279	-0.0207	0.2034
CLIC6		0.0026	0.7898	0.0104	0.5506	-0.0005	0.9537
CLIC6		-0.0036	0.7004	0.0238	0.1591	0.0078	0.6579
A6H7C4_BOVIN		0.0112	0.2406	0.0077	0.6646	0.0044	0.8150
RCAN1_BOVIN		0.0056	0.5598	0.0045	0.8119	-0.0091	0.5656
Q2KHV0_BOVIN		-0.0161	0.0877	-0.0152	0.3371	-0.0102	0.5225
	0	0.0055	0.5663	0.0000	0.9717	-0.0114	0.4757
F165B_BOVIN		-0.0089	0.3457	-0.0069	0.6481	-0.0124	0.4396
	0	0.0018	0.8574	-0.0098	0.5282	-0.0049	0.7487

FAN	PVALUE	FKG	PVALUE	FTL	PVALUE	FTP	PVALUE
0.0003	0.9694	0.0040	0.8661	-0.0057	0.7472	0.0160	0.2357
-0.0102	0.4734	0.0000	0.9842	0.0054	0.7623	0.0003	0.9747
0.0179	0.1927	0.0171	0.5146	-0.0093	0.5990	-0.0028	0.8417
-0.0076	0.5997	0.0117	0.6495	-0.0046	0.7958	0.0093	0.4883
-0.0082	0.5704	0.0066	0.7919	0.0151	0.3966	0.0184	0.1718
0.0018	0.8833	-0.0368	0.1779	0.0126	0.4803	-0.0077	0.5755
-0.0035	0.8171	-0.0401	0.1417	0.0025	0.8887	-0.0061	0.6575
0.0011	0.9208	-0.0107	0.7044	-0.0060	0.7343	0.0150	0.2659
-0.0165	0.2430	0.0077	0.7596	-0.0164	0.3566	0.0095	0.4769
0.0052	0.6963	0.0078	0.7584	-0.0279	0.1158	0.0009	0.9431
0.0189	0.1696	0.0121	0.6404	0.0258	0.1473	-0.0058	0.6721
-0.0002	0.9992	0.0026	0.9084	0.0045	0.7992	-0.0246	0.0706
-0.0049	0.7407	-0.0025	0.9413	0.0256	0.1500	-0.0016	0.9091
0.0005	0.9566	0.0289	0.2759	-0.0023	0.8954	0.0130	0.3354
0.0251	0.0681	0.0205	0.4368	-0.0154	0.3841	0.0024	0.8560
-0.0090	0.5300	-0.0215	0.4373	-0.0104	0.5567	0.0004	0.9699
0.0019	0.8790	-0.0326	0.2346	0.0272	0.1255	-0.0037	0.7887
-0.0146	0.3044	0.0399	0.1340	0.0344	0.0530	0.0113	0.3992
-0.0035	0.8175	0.0144	0.5801	-0.0107	0.5451	0.0007	0.9540
-0.0059	0.6862	0.0282	0.2874	0.0159	0.3715	0.0129	0.3394
0.0093	0.4943	0.0568	0.0336	0.0176	0.3214	-0.0102	0.4546
-0.0031	0.8380	0.0078	0.7572	0.0371	0.0368	0.0260	0.0543
-0.0178	0.2070	-0.0003	0.9939	-0.0380	0.0322	-0.0147	0.2823

FUA	PVALUE	MKG	PVALUE	NRJ	PVALUE	NRK	PVALUE
0.0050	0.7053	0.5596	0.4593	0.0128	0.3431	0.0009	0.9373
0.0116	0.3835	-0.6654	0.3828	0.0128	0.3420	-0.0067	0.6013
0.0030	0.8166	-0.2293	0.7651	-0.0074	0.6030	0.0085	0.4948
-0.0021	0.8821	0.1444	0.8467	-0.0025	0.8712	0.0042	0.7309
0.0200	0.1347	-0.2198	0.7747	0.0114	0.3979	0.0144	0.2506
-0.0154	0.2557	-0.6473	0.3959	0.0103	0.4454	-0.0299	0.0187
0.0015	0.9065	0.3248	0.6665	-0.0022	0.8882	0.0017	0.8839
0.0099	0.4561	-0.5056	0.5077	0.0062	0.6393	0.0022	0.8571
-0.0167	0.2180	-0.5283	0.4887	0.0365	0.0075	0.0039	0.7480
0.0016	0.8987	0.4668	0.5367	0.0036	0.7820	0.0033	0.7843
-0.0017	0.9091	0.1609	0.8297	-0.0052	0.7155	0.0044	0.7222
0.0051	0.6992	-0.0661	0.9332	-0.0026	0.8646	-0.0107	0.4011
0.0018	0.8864	-0.6323	0.4070	0.0027	0.8294	0.0050	0.6879
0.0122	0.3605	0.1693	0.8211	0.0163	0.2288	-0.0049	0.7037
-0.0017	0.9082	1.2065	0.1114	0.0107	0.4274	-0.0010	0.9411
0.0058	0.6614	0.0051	0.9921	0.0127	0.3455	0.0078	0.5301
-0.0047	0.7320	-0.7822	0.3046	-0.0157	0.2594	0.0117	0.3482
-0.0070	0.6079	0.2953	0.6950	-0.0090	0.5253	-0.0073	0.5717
-0.0087	0.5209	1.0901	0.1503	-0.0088	0.5326	-0.0036	0.7800
-0.0145	0.2861	-0.7678	0.3136	0.0004	0.9631	0.0142	0.2591
0.0103	0.4363	0.6931	0.3598	0.0391	0.0042	0.0042	0.7351
-0.0218	0.1071	-1.4591	0.0551	-0.0091	0.5196	0.0153	0.2238
0.0060	0.6506	-0.5326	0.4851	-0.0080	0.5701	-0.0075	0.5579

OCS	PVALUE	OFL	PVALUE	OMC	PVALUE	OUS	PVALUE
0.0002	0.9874	0.0017	0.8709	-0.0074	0.5656	0.0037	0.6738
0.0027	0.7602	-0.0125	0.2740	0.0029	0.8267	0.0031	0.7246
-0.0015	0.8563	0.0203	0.0715	-0.0194	0.1342	-0.0060	0.4864
0.0012	0.8948	-0.0001	0.9992	-0.0005	0.9629	-0.0008	0.9217
0.0067	0.4390	-0.0014	0.9073	-0.0120	0.3532	0.0102	0.2451
0.0078	0.3711	0.0138	0.2201	-0.0034	0.7909	0.0072	0.4136
-0.0033	0.6895	0.0055	0.6207	0.0176	0.1783	-0.0039	0.6526
-0.0050	0.5494	-0.0092	0.4244	-0.0016	0.8948	0.0028	0.7528
-0.0114	0.1808	-0.0123	0.2832	-0.0107	0.4048	-0.0049	0.5750
-0.0064	0.4497	-0.0016	0.8990	0.0076	0.5664	-0.0045	0.5993
0.0022	0.8100	-0.0035	0.7639	-0.0013	0.9138	-0.0025	0.7691
-0.0038	0.6520	0.0086	0.4420	-0.0054	0.6743	-0.0024	0.7761
-0.0041	0.6233	0.0034	0.7532	0.0107	0.4152	-0.0027	0.7489
0.0087	0.3180	-0.0028	0.8129	-0.0248	0.0555	0.0130	0.1409
-0.0029	0.7227	-0.0026	0.8235	-0.0026	0.8330	0.0025	0.7786
-0.0017	0.8357	0.0054	0.6241	0.0026	0.8481	0.0018	0.8411
0.0100	0.2478	0.0207	0.0665	-0.0012	0.9196	0.0097	0.2709
-0.0004	0.9561	-0.0131	0.2506	-0.0041	0.7499	-0.0017	0.8386
-0.0007	0.9224	0.0011	0.9131	0.0127	0.3321	-0.0057	0.5101
-0.0097	0.2526	-0.0004	0.9794	0.0064	0.6293	-0.0054	0.5313
0.0140	0.1063	0.0156	0.1666	-0.0295	0.0229	0.0143	0.1045
-0.0158	0.0638	-0.0095	0.4085	0.0077	0.5596	-0.0109	0.2119
0.0101	0.2437	-0.0105	0.3573	0.0005	0.9762	0.0097	0.2700

PKG	PVALUE	PRP	PVALUE	RAN	PVALUE	RLR	PVALUE
0.0220	0.2598	-0.0090	0.4839	0.0108	0.5277	0.0000	0.9977
-0.0049	0.8019	-0.0017	0.8906	-0.0159	0.3395	-0.0082	0.5731
0.0149	0.4460	-0.0150	0.2463	-0.0346	0.0389	0.0276	0.0604
0.0156	0.4230	-0.0006	0.9576	0.0139	0.4155	-0.0035	0.8072
-0.0080	0.6804	-0.0159	0.2205	-0.0199	0.2335	0.0049	0.7416
-0.0220	0.2582	-0.0021	0.8678	0.0144	0.3986	0.0300	0.0413
-0.0131	0.5018	0.0155	0.2388	-0.0081	0.6241	0.0117	0.4255
-0.0083	0.6696	-0.0021	0.8639	0.0002	0.9975	-0.0024	0.8651
-0.0066	0.7332	-0.0221	0.0896	-0.0272	0.1031	-0.0208	0.1548
0.0084	0.6667	-0.0021	0.8684	-0.0131	0.4304	0.0078	0.5987
0.0010	0.9609	-0.0012	0.9232	-0.0270	0.1059	-0.0211	0.1493
-0.0068	0.7263	-0.0054	0.6717	-0.0280	0.0939	0.0134	0.3646
-0.0168	0.3893	0.0071	0.5901	-0.0055	0.7343	0.0140	0.3403
-0.0035	0.8589	-0.0287	0.0273	0.0361	0.0330	-0.0014	0.9216
0.0082	0.6725	-0.0051	0.6872	-0.0299	0.0742	-0.0023	0.8716
-0.0125	0.5218	-0.0007	0.9508	-0.0029	0.8547	0.0096	0.5134
-0.0177	0.3642	0.0004	0.9799	-0.0115	0.4865	0.0254	0.0839
0.0090	0.6431	0.0002	0.9957	-0.0009	0.9463	-0.0172	0.2405
-0.0004	0.9844	0.0120	0.3615	0.0235	0.1667	-0.0087	0.5512
-0.0078	0.6882	0.0096	0.4683	0.0070	0.6842	0.0026	0.8630
0.0222	0.2546	-0.0338	0.0094	-0.0376	0.0248	-0.0061	0.6732
-0.0200	0.3056	0.0096	0.4664	0.0080	0.6421	-0.0111	0.4471
-0.0059	0.7624	0.0034	0.8025	-0.0050	0.7591	-0.0057	0.6974

RLS	PVALUE	RTP	PVALUE	RUH	PVALUE	RWI	PVALUE
-0.0014	0.9266	-0.0080	0.5684	-0.0118	0.2369	0.0061	0.7219
-0.0075	0.6299	-0.0046	0.7431	-0.0072	0.4708	0.0040	0.8234
0.0050	0.7572	-0.0140	0.3167	-0.0037	0.7106	0.0158	0.3293
0.0011	0.9506	0.0217	0.1160	0.0030	0.7688	-0.0110	0.4651
-0.0001	0.9907	0.0248	0.0723	0.0151	0.1321	-0.0088	0.5547
-0.0158	0.3168	-0.0017	0.9080	0.0117	0.2421	0.0034	0.8529
-0.0188	0.2346	-0.0167	0.2318	-0.0202	0.0424	-0.0035	0.8018
-0.0043	0.7824	0.0155	0.2609	-0.0035	0.7245	-0.0065	0.6559
0.0147	0.3605	0.0208	0.1317	-0.0060	0.5451	0.0106	0.5195
0.0173	0.2795	-0.0094	0.5026	-0.0062	0.5301	-0.0110	0.4646
0.0158	0.3240	0.0001	0.9896	0.0060	0.5515	0.0105	0.5234
-0.0139	0.3770	-0.0047	0.7385	0.0081	0.4196	0.0001	0.9824
-0.0154	0.3292	0.0148	0.2829	0.0007	0.9475	-0.0216	0.1605
-0.0118	0.4541	0.0189	0.1703	0.0072	0.4731	0.0105	0.5254
0.0084	0.6028	-0.0002	0.9934	0.0059	0.5578	-0.0313	0.0434
-0.0066	0.6748	0.0007	0.9526	-0.0116	0.2459	-0.0027	0.8411
0.0083	0.6056	0.0008	0.9481	0.0186	0.0628	0.0241	0.1331
0.0000	0.9941	0.0060	0.6604	0.0026	0.7972	0.0138	0.3979
-0.0045	0.7731	-0.0070	0.6176	-0.0111	0.2644	0.0049	0.7785
-0.0165	0.2953	0.0000	0.9964	0.0010	0.9214	-0.0183	0.2335
-0.0103	0.5141	-0.0092	0.5130	0.0037	0.7171	0.0060	0.7247
0.0260	0.1030	0.0092	0.5007	-0.0050	0.6165	0.0008	0.9849
0.0252	0.1150	0.0143	0.2988	0.0244	0.0148	-0.0019	0.8807

SCS	PVALUE	SIZ	PVALUE	STA	PVALUE	SUR	PVALUE
-0.0072	0.6861	-0.0019	0.8446	-0.0016	0.8713	-0.0052	0.6995
-0.0050	0.7741	0.0069	0.5378	0.0064	0.5956	-0.0201	0.1463
0.0105	0.5718	0.0060	0.5920	0.0109	0.3566	-0.0074	0.5866
0.0334	0.0674	0.0046	0.6901	0.0083	0.4820	-0.0017	0.8920
0.0089	0.6308	-0.0044	0.6639	-0.0039	0.7174	-0.0023	0.8543
-0.0047	0.7864	0.0078	0.4831	0.0181	0.1215	0.0077	0.5946
-0.0056	0.7482	0.0000	0.9811	-0.0006	0.9435	0.0016	0.9189
0.0073	0.6970	-0.0094	0.3730	-0.0117	0.2995	0.0002	0.9993
-0.0024	0.8846	-0.0146	0.1683	-0.0169	0.1372	-0.0119	0.3840
-0.0036	0.8347	-0.0074	0.4781	-0.0040	0.7164	-0.0097	0.4768
0.0019	0.9239	0.0043	0.7050	0.0018	0.8935	0.0036	0.8098
-0.0025	0.8823	0.0062	0.5843	0.0015	0.9113	0.0374	0.0078
-0.0137	0.4431	-0.0121	0.2517	-0.0085	0.4498	0.0241	0.0880
0.0107	0.5645	0.0152	0.1669	0.0166	0.1554	0.0144	0.3089
-0.0359	0.0469	-0.0181	0.0890	-0.0244	0.0325	-0.0225	0.1045
0.0128	0.4874	-0.0056	0.5856	-0.0029	0.7827	0.0011	0.9522
-0.0192	0.2851	0.0064	0.5674	-0.0047	0.6685	-0.0022	0.8608
-0.0164	0.3600	0.0081	0.4687	0.0044	0.7204	-0.0041	0.7562
0.0013	0.9512	0.0098	0.3743	0.0073	0.5400	-0.0133	0.3322
-0.0276	0.1255	-0.0129	0.2229	-0.0194	0.0883	-0.0037	0.7787
-0.0218	0.2255	-0.0057	0.5783	-0.0064	0.5631	-0.0304	0.0284
0.0171	0.3524	-0.0060	0.5631	-0.0046	0.6756	0.0005	0.9824
-0.0145	0.4195	0.0129	0.2429	0.0143	0.2212	-0.0042	0.7536



TYP	PVALUE	UDE	PVALUE	USU	PVALUE	UWI	PVALUE
-0.0059	0.5159	-0.0049	0.7271	-0.0118	0.3466	-0.0122	0.2401
0.0108	0.2484	-0.0019	0.8979	0.0104	0.4286	-0.0072	0.4857
-0.0009	0.9174	-0.0033	0.8203	-0.0194	0.1241	-0.0090	0.3833
0.0046	0.6306	0.0053	0.6914	-0.0105	0.4010	-0.0012	0.9009
0.0079	0.3996	0.0021	0.8700	0.0122	0.3488	0.0063	0.5525
0.0040	0.6697	0.0029	0.8238	0.0097	0.4588	0.0160	0.1292
-0.0009	0.9182	-0.0154	0.2673	-0.0184	0.1449	-0.0022	0.8309
-0.0064	0.4834	0.0033	0.8065	-0.0015	0.8875	-0.0155	0.1362
-0.0151	0.1025	-0.0138	0.3191	0.0127	0.3284	-0.0274	0.0087
-0.0145	0.1159	0.0053	0.6947	-0.0157	0.2119	0.0040	0.7060
0.0095	0.3125	-0.0050	0.7223	0.0046	0.7351	-0.0004	0.9645
-0.0049	0.5906	-0.0094	0.5013	0.0245	0.0580	0.0238	0.0233
-0.0091	0.3240	-0.0071	0.6102	0.0162	0.2118	0.0061	0.5625
0.0076	0.4213	0.0098	0.4721	0.0145	0.2665	0.0126	0.2330
-0.0120	0.1940	0.0101	0.4587	-0.0032	0.7875	-0.0026	0.7999
0.0003	0.9848	0.0068	0.6157	-0.0126	0.3153	-0.0017	0.8636
0.0021	0.8281	-0.0033	0.8164	-0.0017	0.8757	0.0174	0.0980
0.0137	0.1415	-0.0044	0.7548	0.0096	0.4655	0.0019	0.8613
0.0077	0.4094	-0.0108	0.4386	-0.0186	0.1405	-0.0035	0.7323
-0.0179	0.0528	0.0006	0.9593	-0.0108	0.3873	-0.0127	0.2229
0.0094	0.3134	0.0067	0.6208	-0.0069	0.5724	0.0228	0.0297
-0.0148	0.1075	-0.0006	0.9723	-0.0129	0.3025	-0.0058	0.5734
0.0094	0.3147	0.0207	0.1300	0.0215	0.0957	0.0142	0.1765