

Supplemental Table S2. List of markers, positions, types and PCR conditions

Marker	Position		Type	PCR		enzyme <sup>d</sup>	Gel %
	Ch	cM <sup>a</sup>		Tem <sup>b</sup>	Ext <sup>c</sup>		
NGA59	1	0.0	SSLP				
NGA63	1	17.1	SSLP				
SNP397C	1	29.6	CAPS	58	1.0	HpyCh4 IV	1.6
NF19G9	1	38.2	SSLP				
SO392	1	46.8	SSLP				
A44575	1	78.7	CAPS	59	1.0	Hinfl	1.6
CIW1	1	90.1	SSLP				
NGA280	1	97.0	SSLP				
N5F14	1	104.8	SSLP				
NGA111	1	124.1	SSLP				
RGA	2	0.0	CAPS	55	0.5	Rsal	3.0
NGA1145	2	5.2	SSLP				
SNP299C	2	22.0	CAPS	58	1.0	Ddel	2.0
CIW3	2	29.8	SSLP				
T20D161	2	53.3	CAPS	55	2.0	PstI	1.2
ER	2	58.7	CAPS	60	0.5	Ddel	1.6
C4H	2	68.3	SSLP				
NGA168	2	77.0	SSLP				
GBF3	2	92.6	CAPS	58	1.5	HindIII	1.2
C6	3	0.0	CAPS	50	1.0	Ddel	1.6
NGA126	3	2.2	SSLP				
NGA162	3	5.1	SSLP				
ARLIM15.2	3	15.6	CAPS	55	1.0	Rsal	1.6
CIW11	3	24.3	SSLP				
C42050	3	40.0	IN/DEL	60	0.5		3.0
ALS	3	57.6	CAPS	55	1.5	HaeIII	1.6
F24M12-TGF	3	65.4	SSLP				
Pur5	3	70.6	CAPS	60	1.0	Rsal	1.6
NGA112	3	79.2	SSLP				
D01650	4	0.0	IN/DEL	59	1.0		1.2
T5L23.3	4	3.7	CAPS	58	1.0	MspI	1.2
NGA8	4	11.5	SSLP				
D12320	4	28.2	CAPS	59	0.5	Ddel	3.0
SC5	4	36.0	CAPS	50	0.5	AccI	1.6
AG	4	38.9	CAPS	50	1.5	XbaI	1.2
FIZ4	4	44.3	CAPS	54	2.0	MspI	1.2
NGA1139	4	59.1	SSLP				
JM411	4	63.6	CAPS	55	1.5	Ddel	3.0
DHS1	4	67.3	SSLP				
CTR1	5	0.0	SSLP				
NGA158	5	6.9	SSLP				
NGA106	5	15.5	SSLP				
CIW8	5	24.1	SSLP				
NGA139	5	29.3	SSLP				
SO262	5	40.6	SSLP				
PHYC	5	53.0	SSLP				
CIW9	5	75.2	SSLP				
NGA129	5	84.7	SSLP				
MBK-5	5	109.4	SSLP				

<sup>a</sup> Position is distance from the first marker on each chromosome.

<sup>b</sup> Annealing temperature in °C

<sup>c</sup> Extension time in min

<sup>d</sup> Polymorphic restriction enzyme for CAPS markers