

Appendix 1. markers used in the known ADCC genotyping

Gene	Marker	Position	Fragment size	labeled fluorescent color
<i>FOXE3</i>		chr1:47,881,744-47,883,723		
	D1S2797	chr1:46,933,440-46,933,820	102-138	blue
<i>GJA8</i>		chr1:147,374,936-147,381,393		
	D1S498	chr1:149,568,120-149,568,480	190-212	yellow
<i>CRYGC</i>		chr2:208,992,863-208,994,554		
<i>CRYGD</i>		chr2:208,986,332-208,989,313		
	D2S325	chr2: 207,978,881-207,979,229	158-186	yellow
<i>CRYGS</i>		chr3:186,256,233-186,264,491		
	D3S1262	chr3:187,706,173-187,706,421	115-137	blue
	D3S1580	chr3:190,025,487-190,025,830	220-240	blue
<i>BFSP2</i>		chr3:133,118,790-133,194,056		
	D3S1292	chr3:133,112,999-133,113,315	115-149	yellow
<i>PITX3</i>		chr10:103,989,946-104,001,231		
	D10S192	chr10:102,426,190-102,426,520	242-268	yellow
<i>CRYAB</i>		chr11:111,779,350-111,782,473		
	D11S908	chr11:114,792,511-114,792,716	175-191	green
<i>PAX6</i>		chr11:31,806,341-31,839,509		
	D11S935	chr11:35,979,740-35,980,058	200-222	blue
<i>MIP</i>		chr12:56,843,885-56,848,429		
	D12S83	chr12:59,175,650-59,175,955	107-127	blue
	D12S368	chr12:50,917,731-50,917,990	206-226	blue
<i>GJA3</i>		chr13:20,712,395-20,735,183		
	D13S175	chr13:19,746,380-19,746,734	105-123	yellow

<i>HSF4</i>		chr16:67,198,344-67,203,848		
	D16S503	chr16:62,156,289-62,156,636	300-320	green
<i>MAF</i>		chr16:79,627,746-79,634,622		
	D16S3091	chr16:81,537,951-81,538,275	170-186	yellow
	D16S516	chr16:77,681,517- 77,681,818	248-270	yellow
<i>CRYBA1</i>		chr17:24,598,001-24,605,628		
	D17S798	chr17:28,313,925-28,314,303	300-324	green
<i>FTL</i>		chr19:49,468,566-49,470,135		
	D19S902	chr19:53,023,840-53,024,091	241-277	blue
	D19S571	chr19:57,988,749-57,989,141	290-322	yellow
<i>CHMP4B</i>		chr20:32,399,119-32,442,169		
	D20S195	chr20:31,825,665-31,826,043	133-159	blue
	D20S107	chr20:38,882,511-38,882,844	200-224	blue
<i>CRYAA</i>		chr21:44,589,141-44,592,913		
	D21S266	chr21:41,606,427-41,606,641	159-181	blue
<i>CRYBB1</i>		chr22:26,995,362-27,013,991		
<i>CRYBB2</i>		chr22:25,615,612-25,627,836		
	D22S315	chr22:24,345,840-24,346,079	184-214	blue