Novel QTL for Low Seed Cadmium Accumulation in Soybean

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Supplementary Table 1. Sequence of CAPS and dCAPS marker pairs used for the major Cd gene (*Cda1*), in addition to the restriction enzymes used for dCAPS digestion. The digested fragments correspond to either high or low Cd accumulators.

CAPs			
Names	Sequence	Enzyme	Fragment
A SNP R **GmHMA3-4F**	AAGAGCTGAACCTGATATTt CCTGCAGAAAAGGCAGTGAT	-	A band at about 147 bp indicates the presence of A SNP for High Cd [C]
G SNP R **GmHMA3-4F**	AGAGCTGAACCTGATATTC CCTGCAGAAAAGGCAGTGAT	-	A band at about 147 bp indicates the presence of G SNP for Low Cd [C]
A SNP F **MC4R**	GACATCGGTATCTCAATGGa AGTCAACACAGCAAGCCAGA	-	A band at about 220 bp indicates the presence of A SNP for High Cd [C]
G SNP F **MC4R**	GACATCGGTATCTCAATGGG AGTCAACACAGCAAGCCAGA	-	A band at about 220 bp indicates the presence of G SNP for Low Cd [C]
dCAPs			
dCAP MC1 F **dCAP MC4R**	CCTGCATTAGCCACAGCTGACATCGGTATCTCAAT**C**G AGTCAACACAGCAAGCCAGA	Taq1	2 bands indicate low Cd [C]
dCAP MC2 F **dCAP MC4R**	CCTGCATTAGCCACAGCTGACATCGGTATCTCAAT**C**G AGTCAACACAGCAAGCCAGA	HpyI88I	Low band is Low Cd and High band is High Cd [C]
GmHMA3-4F **dCAP MC3 R**	CCTGCAGAAAAGGCAGTGAT GCAAGAGCTGAACCTGA**G**ATT	Hinf1	Low band is Low Cd and High band is High Cd [C]