

Supplementary data

Transferability of simple sequence repeat markers in blackgram (*Vigna mungo* L. Hepper)

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Supplementary data 1. Details of 208 markers showing monomorphic amplification of blackgram DNA

Marker	Repeat Motif	Tm (°C)	Primer Sequence (5'-3')	Crop	Reference
CEDG007	(AG)16	53.65	GTGCAGCCACTACATGAATG GAAGTTGACACTCATCCACC	Azukibean	Wang et al. 2009
CEDG001	(AG)26	53.6	ACTATGCAGAAAGACGCTCC GGCTCTCTCTTTCTCCATTG	Azukibean	Wang et al. 2009
CEDG019	(AG)19	53.9	TATAGAGAGGCGAGAAAGGG AGGGAAACTCAGAACACGTG	Azukibean	Wang et al. 2009
CEDG032	(AG)26	57.05	AGCGAGTGGTGTAGGGGAAG CGCCAAATCTGCACCAGTTG	Azukibean	Wang et al. 2009
CEDG090	(AG)28	47.25	ATAAGTAGAAATTGGTTCAAATG GGTTCGTTAAAGTAACTTTTAAT	Azukibean	Wang et al. 2009
CEDG102	(AG)29	58.95	GCCAAGGTGAACGGTGGTG GAGCGAGAATGGCGGAAGG	Azukibean	Wang et al. 2009
CEDG109	(AG)26	54.3	TATGCCATGTCAAGTCACCATTA CCTAACTCCAAGAATCCCATCA	Azukibean	Wang et al. 2009
CEDG144	(AG)16	55.65	CAGTTACGAGTCTTGAACCTTCAGC CAGCTCTGTACAAAGCTGTAACGTG	Azukibean	Wang et al. 2009
CEDG026	(AG)26	55.2	TCAGCAATCACTCATGTGGG TGGGACAAACCTCATGGTTG	Azuki bean	Wang et al. 2009
CEDG069	(AG)31	60.75	GGTGGAGTCGTAGTGGTTCGGTG CGGACCACCTTTACCGGACC	Azukibean	Wang et al. 2009
CEDG261	(AG)17	53.6	GGTCCCAAATCACCCAG GGTTCATTTGGAGCACTGAG	Azukibean	Wang et al. 2009
CEDG010	(AG)21	55.05	TGGGCTACCAACTTTTCCTC TGAGCGACATCTTCAACACG	Azukibean	Wang et al. 2009
CEDG186	(AG)18	50.15	GGATGGGAGAGTAAGAAG GCATGGCATGATGACTTG	Azukibean	Wang et al. 2009
CEDG305	(AG)22	54	GCAGTTACATGCATAGTAC GAACTTAACTTGGGTTGTCTGC	Azukibean	Wang et al. 2009
CEDG005	(AG)22	53.2	CCAGTACCCCATATTCCTCC CTGTGTTTGGGTTGTGATGG	Azukibean	Wang et al. 2009
CEDG103	(AG)37	55.65	CACCGCTGTCCATTGAAGTATTA TCTTAGAGTGCCCTGTGAGATTG	Azukibean	Wang et al. 2009
CEDG197	(AG)17	56.7	CCACCAACACTAACCAGTGAAG GTTCTCCCCACACACCATAC	Azukibean	Wang et al. 2009
CEDG291	(AG)16	52.3	CCTCAAGTGGGGTTACC GGTCAACCTCATTCTCCC	Azukibean	Wang et al. 2009
CEDG212	(AG)22	48.15	CTTAAGGCAGATTACCTG GCAACGCAAGTTATCAAG	Azukibean	Wang et al. 2009
CEDG253	(AG)30	52.8	CACTTCCATGATGACTCACC CACCTTCTTTATCCTCTTCG	Azukibean	Wang et al. 2009
CEDG015	(AG)27	56.9	CCCGATGAACGTAATGCTG CGCCAAAGGAAACGCAGAAC	Azukibean	Wang et al. 2009
CEDG118	(AG)21	58.45	AACCCAACCAACCCTTGTGGTAAG GCTGGAATCATAATACCGCCTTGT	Azukibean	Wang et al. 2009

CEDG121	(AG)18	49.3	CTTCAAATAATGTTGAGGCATA CAATACATAAATAACCTTTTCTGC	Azukibean	Wang et al. 2009
CEDG191	(AG)21	52.95	CAATAAGCAATCTGTGGAGAG CTGCAGGAAACTTGGAAATGC	Azukibean	Wang et al. 2009
CEDG248	(AG)17	53.6	CAGAACACAAAAGGGTTCTCG GTGGATTCACTCGCTTCC	Azukibean	Wang et al. 2009
CEDG041	(AG)21	51.25	GCTGCATCTCTATTCTCTGG GCCAACTAGCCTAATCAG	Azukibean	Wang et al. 2009
CEDG174	(AG)22	57.9	GAGGGATCTCAAAGTTCAACGG GAAGGCTCCGAAGTTGAAGTTG	Azukibean	Wang et al. 2009
CEDG215	(AG)16	49.9	CGTACTGAGATTGAGGTC CACCATGTGTTCTCAAG	Azukibean	Wang et al. 2009
CEDG033	(AG)41	53	GTGAGGTAGCTATGTAGCAC ACTGGACCGACAAGAGTAAG	Azukibean	Wang et al. 2009
CEDG073	(AG)24	56.4	CCCCGAAATTTCCCTACAC AACACCCGCCTCTTTCTCC	Azukibean	Wang et al. 2009
CEDG247	(AG)16	49.95	GTAGACACTGATCATCACC GACCATCATCGATACGATTC	Azukibean	Wang et al. 2009
CEDG286	(AG)23	52.85	CGAGCAGAACACTGATCATG CCTCTTAGAGGTCATTGCTC	Azukibean	Wang et al. 2009
CEDG173	(AG)23	48.75	GATAAGAGATGCATCACTC TTTCTTCCATCACATCTG	Azukibean	Wang et al. 2009
CEDG228	(AG)17	53.6	GTCGTTTCCGAAACTGTTT GATCCGAACCTCTTTCTGC	Azukibean	Wang et al. 2009
CEDG262	(AG)16	55.85	GATGAGCCGAATTCGGTGTC CTGCTTACCTCGTGACC	Azukibean	Wang et al. 2009
CEDG068	(AG)16	56.6	TCTCCATAGGAACCCCTGAAAG TGGGATCAGTGAATTCGCCAG	Azukibean	Wang et al. 2009
CEDG002	(AG)16	55.9	AACTGGACCTGTACCACTGG TACAGCCTTCTTGCACCATG	Azukibean	Wang et al. 2009
CEDG042	(AG)15	56.95	CACAGTGGTTTGGGCAACAG TCAGAGGTTCCCATTTCCCG	Azukibean	Wang et al. 2009
CEDG273	(AG)18	48.35	GTTTAGCTTCTTCTGCTG CCAAACTGTCAATATCTGC	Azukibean	Wang et al. 2009
CEDG082	(AG)18	52.85	CACTCAAATAGGATTTGGTTGC ACAATGTTGCATATCCCTTTCC	Azukibean	Wang et al. 2009
BM170	(CT)5CCTT(C T)12	55	AGCCAGGTGCAAGACCTTAG AGATAGGGAGCTGGTGGTAGC	Commonbean	Gaintan-Solis et al.2002
VR2	(GGTT)3	55	CGCCCTCTAGGTTGGTTGG GGGAAAGACGAAGGGTAGAA	Mungbean	Somta et al. 2009
DMB-SSR080	(GA)6T(AG)3 AT(AG)4	54.55	GCTCGATACTCTTGGGTTGAA CTGAGGGTCTTATGAATTCTGATT	Mungbean	Somta et al. 2009
DMB-SSR084	(AGATGA)2 ...(ACCTCC) 2	53.6	TGAATGGTAATTGGTGCTTCTC TCCCCAAATTCTTTCATCTTC	Mungbean	Somta et al. 2009
DMB-SSR098	(CATAT)2...(TTTCCA)2...(GCTCT)2	54.5	GCTTGAGAAGGGTGTGAGGTAT TTTCTTCTGACCGATGGTAAT	Mungbean	Somta et al. 2009
DMB-SSR100	(AT)6	53.45	GTAATGATCCATGGGCTATATGTG	Mungbean	Somta et al. 2009
DMB-SSR101	(AGC)4...(AG)3...(CA)3	53.65	TTGCCTTCAGTTTTTCCACA CCACATAGAAGCATGAGTAATGGA	Mungbean	Somta et al. 2009
DMB-SSR105	(AGAAG)2...(TTGG)3	53.35	TGATTTAAAGACGGACGGAAA AGAAGAAAAGCAACCCTTGGAT	Mungbean	Somta et al. 2009
DMB-SSR119	(TTTTG)2...(GTGTC)2	54.1	GACACTATAGGACCCAAAACATTT C	Mungbean	Somta et al. 2009
DMB-SSR125	(TGCAGG)2 ...(GGA)4...(CTG)4	54.85	AAAATGAGTGACAGAGGTGGAAA ACATGCACATTCTGAACCACAT	Mungbean	Somta et al. 2009

DMB-SSR130	(AT)8...(TTG TG)2	53.45	CAACTGCAAATGAGGTGAAGAT ATCCAAGAGCATTGAACTTCC	Mungbean	Somta et al. 2009
DMB-SSR135	(TGATTT)2...(GAA)3	55.2	TGATGAGTGTTCGATACGCTGTTA AGCTCAACCTGAATTCATCAA	Mungbean	Somta et al. 2009
DMB-SSR136	(CAGGA)2...(ATTGTT)2	54.4	CAGGAGAAGTGAACACCTGAAATA GAGGAAGGATAGTTGATGAAGTTG A	Mungbean	Somta et al. 2009
DMB-SSR137	(ATTT)3	54.4	TTCATACACCATTGGCAACTCT CCTAAGCATTCTGTGCTTCAA	Mungbean	Somta et al. 2009
DMB-SSR139	(TTTTTC)3C TG(TTTCT)2	52.9	AAAATGCTATCCACCCCAA TGCAATTGCTGCGGATTTAT	Mungbean	Somta et al. 2009
DMB-SSR143	(TGTT)5	53.9	AAAATGCTATCCACCCCAA TGCAATTGCTGCGGATTTAT	Mungbean	Somta et al. 2009
DMB-SSR144	(CATCTT)...(AAGGA)2...(TGTA)4	51.1	ATGGTACGTCGGTTATTACG CTCTTTGGTTTAGCTTTGGA	Mungbean	Somta et al. 2009
DMB-SSR151	(GAT)4	53.5	AATGAAGGCTTGTCAAATCCA TTATTTACCTTGGCTGGATCA	Mungbean	Somta et al. 2009
DMB-SSR154	(CT)3...(TGC)3...(AT)4TAG TT(GA)3	54.2	TGGTTCAATAAACCCAGCTTTG ACTTATCTGGAAGTGGCAATGTT	Mungbean	Somta et al. 2009
DMB-SSR156	(CTCCTG)2...(AAATG)2...(AT)3CTA(TA TTTTT)2...(A T)3AGAGC(C ATGA)2	55.85	AAGCACTCCAACCACTTCTGA ACGCAACCCAAACCTATGAG	Mungbean	Somta et al. 2009
DMB-SSR158	(AATAA)2...(TG)3(TC)3	54.05	TGGAAAATTTGCAGCAGTTG ATTGATGGAGGGCGGAAGTA	Mungbean	Somta et al. 2009
DMB-SSR160	(TA)17	53.15	GGTGGATCAAATCCATTTTAGG ACAGATCACATAGCAACCAAACA	Mungbean	Somta et al. 2009
DMB-SSR164	(GA)3...(ATG AAG)2...(TT TTG)2	53.6	ATGCATGGTGAAAAGCTTGA ACCTTGATCATAACCCCAAAT	Mungbean	Somta et al. 2009
DMB-SSR167	(TC)3...(GT)3...(CAAAA)2...(GTTAT)2	54.35	TGGGACTCAAACCACACTTTC GAACTATGAAGTTTCACAGAAAT CA	Mungbean	Somta et al. 2009
DMB-SSR177	(AAGAA)3...(TC)3...(GAG GT)2	55.75	TGAGAAAGTAAAGGGTGGGAGA TGACAGGAACACCTTCCACA	Mungbean	Somta et al. 2009
DMB-SSR181	(TTC)4	54.6	ATCCATACCTAACCATTTCAGCTCT TTCTCGTCTCCCATTGTGTGTTA	Mungbean	Somta et al. 2009
DMB-SSR197	(TC)4TT(TC)5...(CCA)3	54.1	GCATAATCTAGTCAAATAACCTC CA CATAGAGGGACTCACAAAATGTTC	Mungbean	Somta et al. 2009
DMB-SSR199	(GA)3...(AATAA)3	55.2	AGAAATTAATCCCCGTCTGCT AGAGACAGAAGCTCTGGATGTTTT	Mungbean	Somta et al. 2009
DMB-SSR220	(AT)7AGA(AT)10	53.3	AAAGAGCCCAGATTTGAAGCTA GGAATCAATACATGAAACCAAC	Mungbean	Somta et al. 2009
DMB-SSR223	(ACA)4	53.2	AGGTTTTGAACTTCTCAGCA TGATGCCAAATCACAAAAGG	Mungbean	Somta et al. 2009
DMB-SSR245	(TAAA)2...(GTCAA)2...(GAGGT)2	53.8	AATGATAGCCTTCCAACGTCAT AAGGAACCTTTATTGTGCGCATC	Mungbean	Somta et al. 2009
DMB-SSR252	(GA)3...(ACA A)3	54.7	TGTTTGTAGTTACTGCTTCTGCTG CAACACCGATTGTGTCAATTCT	Mungbean	Somta et al. 2009
CEDC003	(AC)8(AT)19	52.1	TTGCCAGAAAAGAAAGGAGC CAAGAAGTTTGCATTGCATC	Azukibean	Wang et al. 2009
CEDC015	(AC)7 A(AC)2	48.7	CATTTGCTTACTTAAGCTC	Azukibean	Wang et al. 2009

			CACACTCATTATTCTCACC		
CEDC024	(AC)8	48.8	CACACTCATTATTCTCACC CTTACTCTCAACATTTTCGC	Azukibean	Wang et al.2009
CEDC027	(AC)8	57.5	ACTGGATGAGGGTTTAGTGCG CTGTCTTGTCTTGTGGGTTTCGTTTC	Azukibean	Wang et al. 2009
CEDC030	(AC)10 AT(AC)8(AT) 37	57.2	GGCTACTAGGTGCCTTGGGAAC CAAAGTTCAATCCCTTGGATAATC AAC	Azukibean	Wang et al.2009
CEDC039	(AC)3 GC(AC)4 CC(AC)4	51.25	CTATCGAAGTAATACATTCAAAGC GATCTATGCATGGATCTAGCATC	Azukibean	Wang et al. 2009
CEDG025	(AT)10(AG)16	51.3	TAGTCAACCGTTACTATGCC CGAGAAAATGAATCTCCCC	Azukibean	Wang et al. 2009
CEDG048	(AG)20(TG)3 TC(TG)4(AG) 12	54.1	TCTCTTCTCTATGGCTTGG GCTCCTCTTTTTGCTGCATC	Azukibean	Wang et al. 2009
CEDG051	(AG)12	56.85	AAACATACCCTGGCAGTTCC TTCTGACCTAAGAAAGAGCCTGG	Azukibean	Wang et al. 2009
CEDG053	(TG)8(AG)14	59.35	CGTTGCAGAGCGGTGGTGG GCCTTGTCTCCCATCCATG	Azukibean	Wang et al. 2009
CEDG057	(AG)4 GG(AG)12	55.1	GGGTGATCTTCCCCAAAATCG GACAAATTCTCTGATGCCATTCC	Azukibean	Wang et al. 2009
CEDG087	(AG)10	53.7	CCTCTTGAAATTCTCCTTGA CCTCTTGTGAACCTCAATAA	Azukibean	Wang et al. 2009
CEDG148	(AG)3 TG(AG)9	60.97	GGGAAGAAGGAAGAAGGAACC GTGACAAAACACCTGTAGCCATCC	Azukibean	Wang et al. 2009
CEDG149	(AT)12(AG)16	60.12	GGCTGAAGGTGATGACAGAAG GGCACTGGTTTTCTAAGGTTGTTG	Azukibean	Wang et al. 2009
CEDG178	(AG)10 G(AG)5	58.83	CGGAAGAAGAACGCAGAGTG GCATCAACAAGGACTTCTGC	Azukibean	Wang et al. 2009
CEDG189	(AG)14	57.8	GGAAAGGTATACGCACAGAG GGACTCACATTGCCATATGG	Azukibean	Wang et al. 2009
CEDG214	(AG)4 AA(AG)31	57.68	CACTCACTGCAAAGAGCAAC CTACCTATCTGAGGGACAC	Azuki bean	Wang et al. 2009
CEDG241	(AG)5	56.775	GTGACCCACTAAATTCGTG GAACTGGCTATTCCGGTAAC	Azukibean	Wang et al. 2009
CEDG254	(AT)13(AG)11	57.905	CGATGTCTCTTGCTTCAAGG GTGAAGGACTAGCCAAGTTTG	Azukibean	Wang et al. 2009
CEDAAG 002	(AAG)16	61.955	GCAGCAACGCACAGTTTCATGG GCAAAACTTTTCACCGGTACGACC	Azukibean	Wang et al. 2009
CEDC012	(AC)9(AT)17	53.7	TTTAAGCAGAGACAGTTGAC CGCCATTGTTGATATTAAGC	Azukibean	Wang et al. 2009
CEDC050	(AC)8	61.96	TCCCATTCTCCATTACCTCCAC GAGATTATCTTCTGGGCAGCAAGG	Azukibean	Wang et al. 2009
CEDG006	(AG)10 AA(AG)18	57.8	AATTGCTCTCGAACCAGCTC GGTGTACAAGTGTGTGCAAG	Azukibean	Wang et al. 2009
CEDG029	(AG)8	57.8	GATTGCTTTTAGCAGAGGGC GAAGAAACCCATCTCGATCC	Azukibean	Wang et al. 2009
CEDG050	(AG)12	56.41	GGCAGAATCGTACAAGTG GTCAGATTCTCGCTTGCATG	Azukibean	Wang et al. 2009
CEDG065	(AG)10...(AG) 18	60.24	GGAATTTTGAGAACGGATTTGC CCACCGACCACGGCCTTC	Azukibean	Wang et al. 2009
CEDG108	(AG)14	58.44	TCCCAGCTACCCACCTCT CTTCTACCCAGCCAAACC	Azukibean	Wang et al. 2009
CEDG210	(AG)10	55.215	GAACCCACTTCTGAAGTTC GAACAACCTCTGCAGTAG	Azukibean	Wang et al. 2009
CEDG244	(AC)12 A(AG)12	52.705	GCATATAAGAAAAGCTTATCC CTCTTGGAGTGATTTGATC	Azukibean	Wang et al. 2009
CEDG284	(AT)19(AG)21	60.12	GGTGCTAACGTTGGAAACTGAG	Azukibean	Wang et al. 2009

	A(AG)5		CACTCCATTCTGAGGATCAATCC		
CEDG285	(AG)10	59.85	CGTTATGAGAGGGACCACAG GCATGCAATGCGATGCAACC	Azukibean	Wang et al. 2009
CEDAAG 004	(AAG)11...(A AG)6	60.975	GGAGGAGAAGTCTCGGACC GAGCGTTTTGCACAGTGTTAC	Azukibean	Wang et al. 2009
CEDC008	(AT)3(AC)15	53.7	GGAATTAGAGATGATTGGAC CACCATTTCATTATGTATGG	Azukibean	Wang et al. 2009
CEDG043	(AG)14	57.8	AGGATTGTGGTTGGTGCATG ACTATTTCCAACCTGCTGGG	Azukibean	Wang et al. 2009
CEDG084	(AG)13	58.21	ATCAACTGAGGAGCATCATCGA CAACATTTCAACCTGGGACAG	Azukibean	Wang et al. 2009
CEDG117	(AG)21(AT)30	55.13	GTACACTTCCACTAATCCAAAATT TGGTACCTTCCTTATCTGAAATTA	Azukibean	Wang et al. 2009
CEDG176	(AG)12	61.92	GGTAACACGGTTTCAGATGCC CAAGGTGGAGGACAAGATCGG	Azukibean	Wang et al. 2009
CEDG205	(AG)4 AT(AG)11	61.92	GTGGTGGTGACAGTAGCAGTAG CAGCCACCACAAGACAACCTC	Azukibean	Wang et al. 2009
CEDG294	(AT)27(AG)15	56.45	CACCTTCTTAATCTCTTCACC GGGTTTCTCTTAATTCATTGAGTC	Azukibean	Wang et al. 2009
CEDGAT 008	(AT)2 AG(AT)2AC(AT)4	54.11	GGATGTGAAAGACTTAACTTC GAGGAATCTAAGTAAAACGAG	Azukibean	Wang et al. 2009
CEDC028	(AC)10	53.7	TTGATTTTCCTCATTTCGCAC CAACCCAAGTTATCGAAATC	Azukibean	Wang et al. 2009
CEDC033	(AC)9	61.06	GGTTGGTAGTGTCTTTGCTGAGG CCTTGCTTTAAGCTCAGAACTCG	Azukibean	Wang et al. 2009
CEDC035	(AC)9	56.605	GCTAAAGCGTAGGTACAGTC ACTGGTGGAAACCAACATAG	Azukibean	Wang et al. 2009
CEDG011	(AG)16 AA(AG)6	56.41	CCCAACCAAAGCGTTTTG CTTCTAGACTCTGAGCACTG	Azukibean	Wang et al. 2009
CEDG036	(AG)19(AAA G)3	57.8	CAGGTATTGTGCAGAGAGAC TGCACCCAAAAGCTGTAAGC	Azukibean	Wang et al. 2009
CEDG088	(AG)7	58.55	TCTTGTCATTTAGCACTTAGCACG TTGTTGTTTACTAAGAGCCCGTGT	Azukibean	Wang et al. 2009
CEDG091	(AG)7	58.39	CTGGTGGAAACAAAGCAAAGAGT TGCCTCTTGGTGCAAAGAAGAAA	Azukibean	Wang et al. 2009
CEDG107	(AG)7	56.84	GAAGTTGACCTTCAATGGAGAAAA TTGTAGCGTAAAATTAATCCACGC	Azukibean	Wang et al. 2009
CEDG154	(AG)14	61.01	GTCCTTGTTTTCTCTCCATGG CATCAGCTGTTCAACACCCTGTG	Azukibean	Wang et al. 2009
CEDG165	(AG)10	59.85	GCTCTGTCAGTTCCCACTAC GGTCCTGAACCCAGATGAAC	Azukibean	Wang et al. 2009
CEDG181	(AG)13	61.94	CGCGAGATCTGGATCGTTGATC GCAGTACGGTAACGTCCTTGAC	Azukibean	Wang et al. 2009
CEDG292	(AG)6	55.58	GTGGTTTTGTTGACCTTGTC GTAATGCTCCAATGGCTTC	Azukibean	Wang et al. 2009
CEDG114	(AG)20(AT)8(GT)8	54.725	GAACCTTGATGAAGGGGTAA GATCACAAGCAAAGCACAT	Azukibean	Wang et al. 2009
CEDG115	(AT)13(AG)14	58.21	GGCTCATTGTACCACTGGATAT ATGCCTCCTTTCAGGTGATTGT	Azukibean	Wang et al. 2009
CEDG124	(AG)9	49.6	AGCAAATTATTGGATGAAAG TTATTTGGAATACGGATTGT	Azukibean	Wang et al. 2009
CEDG132	(AG)3 CG(AG)4	61.9	GGGTGTAATCCGTCAGAGGC CTTCCCCCTCTTCCGTTCTC	Azukibean	Wang et al. 2009
CEDG171	(AG)14	59.03	CTTGAGAACCAACTCGAACTTC GGGAAATCGAAGAGGGACAG	Azukibean	Wang et al. 2009
CEDG184	(AG)14	57.075	GAGTAGCCAAAGAACTTTGTAG CTTCTGATTCTTCACGACCC	Azukibean	Wang et al. 2009
CEDAAT	(AAT)18	59.14	GAAAAAGTAAGGCTGAGGAAGG	Azukibean	Wang et al. 2009

002			CAAACCTCGTCATTCCACCATG		
CEDG037	(AG)16 AC(AG)8	57.8	GAAGAAGAACCCTACCACAG CACCAAAAACGTTCCCTCAG	Azukibean	Wang et al. 2009
CEDG146	(AG)9	55.215	GGTGATCGGATTTTCAGAG GGAGAAGAGAATAGAGACG	Azukibean	Wang et al. 2004
CEDG187	(AG)7 CG(AG)7	59.785	GACCAACTGAACGGTCAGG CTCAGCACATGTTGCGTGTC	Azukibean	Wang et al. 2009
CEDG195	(AG)11	61.96	GAGGGTCTCCACTTTTGAAACCC GATACTAAGGCTTTCTCCACCCAC	Azukibean	Wang et al. 2009
CEDG282	(AT)16(AC)5(AG)10	57.68	CAGCAACAAGACATGGAGTG GGTGACCACTTAGACAGAC	Azukibean	Wang et al. 2009
CEDG064	(AG)10	59.28	TGTAAGGTCACCTTTGGCCTCAAG TTAAGTTGACTCGTTGCCCTTTG	Azukibean	Wang et al. 2009
CEDG085	(AG)6 TT(AG)6 AC(AG)5 AC(AG)6 TT(AG)3	60.26	AGCATGGAATCTCAGACTGAGACA AACAAAGATCGAAGAAGTCGCTCAC	Azukibean	Wang et al. 2009
CEDG111	(AT)7(AG)14	58.39	TGGAAGTTTCCAAGAGGGTTTTTC TCTACCACCTTTTACCTTCTCA	Azukibean	Wang et al. 2009
CEDG131	(AG)12	60.01	CCTTTTTCTTCTACCCTCTACC CACCACCTAGCTGTTGCTAG	Azukibean	Wang et al. 2009
CEDG143	(AG)12	61.92	GATGAACCTCGTCTCGCTCATCG CTGGACGCGTCTACTCAGAC	Azukibean	Wang et al. 2009
CEDG201	(AG)10	60.07	CGGGTAGACAAAGAGATACACG CTAGCAGAAACAGGAGATCCTC	Azukibean	Wang et al. 2009
CEDG203	(AG)11	61.945	GACTGAACCTATGCGGTCCAAC CAACGTGTTAGCCTTCTTGCTC	Azukibean	Wang et al. 2009
CEDC016	(AT)5(AC)9	55.75	ACTCTTGCAATTGTCCAGG TAACTTGTCACTGGAAAGGC	Azukibean	Wang et al. 2009
CEDCAA 001	(CAA)6...(CA A)3...(CAA)4	55.905	GCATGAACCTATGAACGTGTAG GCTTTCTCTCGTATTAGTGG	Azukibean	Wang et al. 2009
CEDG035	(AG)14	57.8	TGGTTGGATGAAAGCGTGTG CTGTGAGAGGTTCAACAACC	Azukibean	Wang et al. 2009
CEDG040	(AG)14	57.8	CGGGGTATAACTTTAGCAGC TAACTCAGGCAAAGGTAGCC	Azukibean	Wang et al. 2009
CEDG071	(AG)9	61.9	GGTCCATTGAGACGGATCGAG TCCCACCTCAGCGGAATCC	Azukibean	Wang et al. 2009
CEDG125	(AT)14(AG)12	50.75	TGGAATATACTGTTAATAGAG AGATTAATTTGATCACTCATT	Azukibean	Wang et al. 2009
CEDG151	(AC)6(AT)4(A GAT)3(AG)17	55.085	GTAGAACAGTTATGACACATG TGTTAACTTCGTTGGGTACAC	Azukibean	Wang et al. 2009
CEDG156	(AG)13	61.02	CGCGTATTGGTGACTAGGTATG CTTAGTGTGGGTTGGTCGTAAGG	Azukibean	Wang et al. 2009
CEDG196	(AG)10	60.12	GGTGTAGGTTATGGCTGAAACC CCCACGTTCTTCTATACTCTTCC	Azukibean	Wang et al. 2009
CEDG202	(AG)12	59.72	GTTGGAGTCTTGCACTGCG CTATCCCCTGATCAGGAGC	Azukibean	Wang et al. 2009
CEDG270	(AG)9	59.96	GTGCGTCACTAGTCCATTGC GCAGAAGATTGAATCCTGGACC	Azukibean	Wang et al. 2009
CEDG080	(AG)8...(AG)6	61.9	CACGTTGGAGGAAGTGACGC CATCGGCCACCACAGAACCA	Azukibean	Wang et al. 2009
CEDG166	(AT)12(AG)18	52.16	GGTACAACATTCTTCTATTTG GGCTTATGAGTTTATCTTATC	Azukibean	Wang et al. 2009
CEDG172	(AG)13	59.845	GCTGACGTAGGTGACAACC CGGCTTGTGCTTCATTGTCTG	Azukibean	Wang et al. 2009
CEDG238	(AG)12	58.3	GCAGAATTTGACTGCTAGAAAGC CCATACATTTGTTGCACGCATG	Azukibean	Wang et al. 2009
CEDG259	(AG)11	59.91	GATCATCGGACAGAGCTTCC	Azukibean	Wang et al. 2009

			CACTCTCTGCGAACTCAATCG		
CEDGAG001	(GAG)4	61.92	CTCATCAGGGACATCCTCCC GATCGTGATCGATCCAACGGTC	Azukibean	Wang et al. 2009
CEDG081	(AG)26 AA(AG)14	56.35	TGTGGGTGTTTTATGCTTTGTG GTATTCGGTCATTTCGATCTTAC	Azukibean	Wang et al. 2009
CEDG106	(AG)10	59.97	GCCTTTGACTCTGACCCTCTT AGCCTCCTCAGGGATGACTTT	Azukibean	Wang et al. 2009
CEDG147	(AG)10	60.12	CTCCGTCGAAGAATTGGTTGAC GCAAAAATGTGGCGTTTGGTTGC	Azukibean	Wang et al. 2009
CEDG150	(AG)14	56.05	GAAGGGAATGAAAATGAAACCC GTTCAATCCATTTCAGTCTCC	Azukibean	Wang et al. 2009
CEDG298	(AG)11	55.215	CAGTTCCTAGTTGCATGTG CTTGGGCTGAATGTTACC	Azukibean	Wang et al. 2009
CEDC014	(AC)13(AT)17	56.41	TCCATTTCCGTGTCCATCTG TGTTATGAAGCGCCAACG	Azukibean	Wang et al. 2009
CEDG066	(AG)9	57.37	AGTAAAACAAGAACCCTCCCAAG GTATTAATAATTGGGGTGGTGG	Azukibean	Wang et al. 2009
CEDG098	(AG)5...(AG)9	53.7	AAAGGAGTAGAAGGTGCATA ACAAAATTGGTTGACTCACC	Azukibean	Wang et al. 2009
CEDG100	(AG)4 A(AG)2 A(AG)3	54.48	CCCATCAAGTAACTACATAACA ATGTGGGACTGGACAAATAAAA	Azukibean	Wang et al. 2009
CEDG295	(TG)10(AG)11 (TA)4	55.905	CAAAGGTTAGATCCAACATCG GGTTAGTCATCAACAACCTCC	Azukibean	Wang et al. 2009
CEDG105	(AG)9...(AG)3 G(AG)3...(AG) 4	61.88	AAACGGAACGGGCTGGAGG TGTGACGTGGCGAGGGATG	Azukibean	Wang et al. 2009
CEDG290	(AG)11	54.135	GACTCTTTTGTGTAGG CAGTGATCACTCTGGTTG	Azukibean	Wang et al. 2009
CEDC036	(AC)8	56.405	GAAAAAGTAATCAAAGCTGGG CTTTACTAACTCCAACCTCTAACTC	Azukibean	Wang et al. 2009
CEDG086	(AG)11	58.39	GAGTTTACAACAGATGGGGCTAA AGGTCTTGATTGACTTTCTGGGT	Azukibean	Wang et al. 2009
CEDG097	(AG)7	58.21	GTAAGCCGCATCCATAATTCCA TGCGAAAGAGCCGTTAGTAGAA	Azukibean	Wang et al. 2009
BM146	(CTGTTG)4 · (CTG)4 · (TTG)3 · (CTG)3 · (CTG)4	59.145	GAGATGAGTCCTTTCCCTACCC TGCAGACACAATTTATGAAGGC	Commonbean	Gaintan-Solis et al. 2002
BM212	(CA)13	58.76	AGGAAGGATCCAAAGTCACTC TGAACCTTCAGGTATTGATGAATG AAG	Commonbean	Gaintan-Solis et al. 2002
BMd-20	(TA)5	57.8	GTTGCCACCGGTGATAATCT GTGAGGCAAGAAGCCTTCAA	Commonbean	Blair et al. 2003
VM24	(AG)15	59.955	TCAACAACACCTAGGAGCCAA ATCGTGACCTAGTGCCACC	Cowpea	Li et al. 2001
VM37	(AG)5 · (CTT)3 · (CT)13	58.3	TGTCCGCTTCTATAAATCAGC CGAGGATGAAGTAACAGATGATC	Cowpea	Li et al. 2001
FER		58.825	TCGCAAAGTTGCCAGTCAGT TAGAAGGAAGGAGGGCCATG	Commonbean	Dixit et al. 2007
BM141	(GA)29	59.85	TGAGGAGGAACAATGGTGGC CTCACAACCACAACGCACC	Commonbean	Gaintan-Solis et al. 2002
VM21	(AT)17	55.75	TAGCAACTGTCTAAGCCTCA CCAACCTTAACCATCACTCAC	Cowpea	Li et al. 2001
VrCS SSR1	(ATT)11	52.34	GCGAAGTGATCTTATCTGCT GTCAAATCTGAACCATAAA	Mungbean	Zhang et al. 2008

VrCS SSR2	(AT)31	51.65	GTTGAAAACACTACAATACACT ACCAACAGTTCCATATCATG	Mungbean	Zhang et al. 2008
VrCS SSR4	(AT)20(ATT)3 0	57.785	CCCCTCTATTTTGGATGACTG TTGGATGTGAGCAGAGGAG	Mungbean	Zhang et al. 2008
VM4	(CT)20	59.97	AGTAAATCACCCGCACGATCG AGGGGAAATGGAGAGGAGGAT	Cowpea	Li et al. 2001
VM5	(AG)32	54.475	AGCGACGGCAACAACGAT TTCCCTGCAACAAAAATACA	Cowpea	Li et al.2001
VM11	(TA)4..(AC)12	60.875	CGGGAATTAACGGAGTCACC CCCAGAGGCCGCTATTACAC	Cowpea	Li et al. 2001
VM22	(AG)12	56.06	GCGGGTAGTGTATACAATTTG GTACTGTTCCATGGAAGATCT	Cowpea	Li et al. 2001
VM23	(CT)16	59.785	AGACATGTGGGCGCATCTG AGACGCGTGGTACCCATGTT	Cowpea	Li et al. 2001
VM27	(AAT)5...(TC) 14.(AC)3	54.555	GTCCAAAGCAAATGAGTCAA TGAATGACAATGAGGGTGC	Cowpea	Li et al. 2001
VM31	(CT)16	59.09	CGCTCTTCGTTGATGGTTATG GTGTTCTAGAGGGTGTGATGGTA	Cowpea	Li et al. 2001
VM35	(AG)11.(T)9	55.595	GGTCAATAGAATAATGGAAAGTGT ATGGCTGAAATAGGTGTCTGA	Cowpea	Li et al. 2001
VM68	(GA)15	57.405	CAAGGCATGGAAAGAAGTAAGAT TCGAAGCAACAATGGTCACAC	Cowpea	Souframanien and Gopalakrishna. 2009
BM7	CT)7	56.16	CTTGCTTGCAGGATGAC TCCAGTGCAGCAGATTGA	Commonbean	Souframanien and Gopalakrishna. 2009
BM13	(GAG)4	56.16	GCAGCAACAACAGCAACA GCAGGTTTTGTGGCTCAG	Commonbean	Souframanien and Gopalakrishna. 2009
BM77	GTT)5(GA)5 A (AG)6	58.44	GGAGAGGAAGGAACAGGG GGCAGAGCATAACATGGC	Commonbean	Souframanien and Gopalakrishna. 2009
VR5(VJ31 122B)	(CCAA)3	59.85	TCACAAAGGGAGGGAAGAGA CCCCAGGTTGGTTGGTTGGA	Mungbean	Kumar et al. 2002b
VR6(VJ31 44B)	(CCAA)3	60.875	GATGAAGACCCCTTCACAGC GTTACCCCTCGGTTGGTTGG	Mungbean	Kumar et al. 2002b
VR9	(GA)13	59.39	TGACGGAGAGAGAGAGAGAGAG TGCTTCCTTTTGTCTGAGTTAGAA	Mungbean	Kumar et al. 2002a
VR11	(AG)12	58.835	GTAGCGCAGAGAGAGAGAGAG CAAAACGGCTCATTTCAGCTT	Mungbean	Kumar et al. 2002a
VR13	(TC)7	54.93	GAGAGCAACGATTGAAAAATG GTTTCGTAGTTACATTGTCCC	Mungbean	Kumar et al. 2002a
LR7319B	TG)5.....(CT)7	56.775	CTGCTTTTTGGGGATTTTCAG CACGCAAACAGAAAGCAGAG	Mungbean	Kumar et al. 2002a
LR7322B	(TC)10	60.07	TCAGTCAGTGTTCGATAGCATAGC GACACAGAGAGAGAGAGAGAG	Mungbean	Kumar et al. 2002a
LR7323B	(CT)10	60.54	GCTATGCTATCGACACTGACTGACT GA GCGCAAAGAGAGAGAGAGA	Mungbean	Kumar et al. 2002a