

Assessment of genetic variability in groundnut (*Arachis hypogaea* L.) genotypes grown under South African conditions using agronomic and SSR markers

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**Table 1.** The list and geographic origins of the 53 groundnut accessions used in this study.

No.	Accession	Country of origin	Geographic origin	No.	Accession	Country of origin	Geographic origin
1	RG 46	USA	North America	28	RG 479	Zimbabwe	Southern Africa
2	RG 288	USA	North America	29	RG 355	Zimbabwe	Southern Africa
3	RG 321	USA	North America	30	RG 483	South Africa	Southern Africa
4	RG 394	USA	North America	31	RG 307	South Africa	Southern Africa
5	RG 422	USA	North America	32	RG 313	South Africa	Southern Africa
6	RG 423	USA	North America	33	RG 726	South Africa	Southern Africa
7	RG 489	USA	North America	34	RG 893	South Africa	Southern Africa
8	RG 521	USA	North America	35	RG 1033	South Africa	Southern Africa
9	RG 562	USA	North America	36	RG 1062	South Africa	Southern Africa
10	RG 1042	USA	North America	37	AS-ARC-Oleic	South Africa	Southern Africa
11	RG 1037	USA	North America	38	BS-ARC-Opal	South Africa	Southern Africa
12	RG 327	Bolivia	South America	39	C. TAFA	South Africa	Southern Africa
13	RG 346	Bolivia	South America	40	RG 267	Malawi	Southern Africa
14	RG 347	Bolivia	South America	41	RG 512	Malawi	Southern Africa
15	RG 353	Bolivia	South America	42	RG 863	ICRISAT Malawi	Southern Africa
16	RG 357	Bolivia	South America	43	RG 387	Madagascar	Southern Africa
17	RG 333	Brazil	South America	44	RG 255	Kenya	Others
18	RG 335	Brazil	South America	45	RG 256	Australia	Others
19	RG 337	Brazil	South America	46	RG 410	Senegal	Others
20	RG 418	Brazil	South America	47	RG 416	Senegal	Others
21	RG 414	Argentina	South America	48	RG 532	ICRISAT	Others
22	RG 329	Paraguay	South America	49	RG 536	ICRISAT	Others
23	RG 260	Zimbabwe	Southern Africa	50	RG 571	Taiwan	Others
24	RG 261	Zimbabwe	Southern Africa	51	RG 1056	Semi-runner	Others
25	RG 451	Zimbabwe	Southern Africa	52	RG 1057	Runner	Others
26	RG 452	Zimbabwe	Southern Africa	53	RG 1061	Runner	Others
27	RG 472	Zimbabwe	Southern Africa				

**Table 2.** Description of the simple sequence repeats (SSR) primers used for groundnut genetic diversity analysis.

No	Marker	Forward primer	Reverse primer	Repeat Type
1	PM375	CGGCAACAGTTTTGATGGTT	GAAAAATATGCCGCCGTTG	(CT)10
2	PM3	GAAAGAAATTATACACTCCAATTATGC	CGGCATGACAGCTCTATGTT	(GA)14
3	AC2H11	TCCTTTACTTGTGCAGTTGTGC	AAAACGCCATGTGGTGGAT	CT)18 + (CA)17
4	AC2A04	GATCACTCCAGATAATCAC	AAGGTTATCACTCACGTC	(TG)15
5	TC9B08	GGTTGGGTTGAGAACAAGG	ACCCTCACCCTAACTCCATTA	(GA)22
6	pPGPseq2e6	TACAGCATTGCCTTCTGGTG	CCTGGGCTGGGGTATTATTT	GA
7	TC2C07	CACCACACTCCCAAGGTTTT	TCAAGAACGGCTCCAGAGTT	(CT)23
8	PMc297	ATG CAC CTG CAA GTG AAG AG	TCA AGG ATG CAG CAA GAC AC	(AAT)4CAT(AAT)2
9	PM137	AACCAATTCAACAAACCCAGT	GAAGATGGATGAAAACGGATG	(GA)20
10	AH-10	ATCACCATCAGAACGATCCC	TTTGTAGCCTTCTGGCGAGT	
11	PM183	TTCTAATGAAAACCGACAAGTTT	CGTGCCAATAGAGTTTTATACGG	(CT)24
12	PM50	CAATTCATGATAGTATTTTATTGGACA	CTTTCTCCTCCCAATTTGA	(TAA)4, (GA)19
13	TC3A12	GCCCATATCAAGCTCCAAAA	TAGCCAGCGAAGGACTCAAT	(TC)27
14	AH-8	ATCATTGTGCTGAGGGAAGG	CACCATTTTCTTTTTCACCG	
15	TC2D06	AGGGGGAGTCAAAGGAAAGA	TCACGATCCCTTCTCCTCA	(AG)30
16	PM036	ACTCGCCATAGCCAACAAC	CATCCCACTCCACAT	(GA)18
17	IPAHM103	GCATTACCACCATAGTCCA	TCCTTGACTTCTCCTCATCA	
18	PM35	TGTGAAACCAATCACTTTCATTC	TGGTGAAAAGAAAGGGGAAA	(GA)18(GAA)2
19	TC11C06	TCCAACAAACCCTCTCTCTCT	GAACAAGGAAGCGAAAAGAA	(CT)5 + (TC)13
20	SEQ3A05	CATTCTATTCTCTCATTCA	CGAACCTCTGATTGTGAT	(TC)11 + (CA)7

Source: [www.biomedcentral.com/content/supplementary/s12863-016-0337-x-s1.xlsx](http://www.biomedcentral.com/content/supplementary/s12863-016-0337-x-s1.xlsx)