

Attanayake, S. R. M. R., Kumari, S. A. S. M., Weerakody, W. A. P., Ranil, R. H. G., Damania, A. B. and Bandaranayake, P. C. G. 2017. Molecular diversity and genetic relationships of Sri Lankan pomegranate *Punica granatum* landraces assessed with inter simple sequence repeat (ISSR) regions. – Nord. J. Bot. doi: 10.1111/njb.01317

Supplementary material

Appendix 1.

Table A1. Information of 120 pomegranate accessions collected from different agro–ecological regions of Sri Lanka.

Appellation	Sample label	Geographical origin	Agro ecological region
Pop 1	S142	North Province	D2
	S126	North Province	D1
	S157	North Province	D2
	S155	North Province	D2
	S127	North Province	D2
	S154	North Province	D1
	S139	North Province	D1
	S156	North Province	D2
	S151	North Province	D1
	S141	North Province	D2
	S148	North Province	D2
	S150	North Province	D2
	S149	North Province	D2
	S153	North Province	D2
	S147	North Province	D2
Pop 2	S112	North Eastern Province	D5
	S120	North Eastern Province	D5
	S117	North Eastern Province	D3
	S115	North Eastern Province	D3
	S113	North Eastern Province	D5
	S119	North Eastern Province	D5
	S118	North Eastern Province	D5
	S116	North Eastern Province	D3
	S111	North Eastern Province	D5
	S109	North Eastern Province	D3
	S39	North Eastern Province	D5
	S105	North Eastern Province	D3
	S134	North Eastern Province	D3
	S136	North Eastern Province	D3
	S36	North Eastern Province	D5
	S131	North Eastern Province	D5
	S133	North Eastern Province	D3
	S38	North Eastern Province	D3

	S37	North Eastern Province	D5
	S106	North Eastern Province	D3
	S135	North Eastern Province	D3
Pop 3	S58	North Central Province	D1
	S60	North Central Province	D1
	S61	North Central Province	D1
	S64	North Central Province	D1
	S56	North Central Province	D1
	S59	North Central Province	D1
	S31	North Central Province	D1
	S69	North Central Province	D1
	S70	North Central Province	D1
	S67	North Central Province	D1
	S33	North Central Province	D1
	S53	North Central Province	D1
	S66	North Central Province	D1
	S32	North Central Province	D1
	S68	North Central Province	D1
	S55	North Central Province	D1
	S65	North Central Province	D1
	S71	North Central Province	D1
	S72	North Central Province	D1
	S30	North Central Province	D1
Pop 4	S26	Sothorn and Uva Provinces	D6
	S25	Sothorn and Uva Provinces	D6
	S27	Sothorn and Uva Provinces	D6
	S24	Sothorn and Uva Provinces	D6
	S23	Sothorn and Uva Provinces	I4
	S21	Sothorn and Uva Provinces	I4
	S29	Sothorn and Uva Provinces	D6
	S28	Sothorn and Uva Provinces	D6
	S20	Sothorn and Uva Provinces	I4
	S19	Sothorn and Uva Provinces	I4
	S18	Sothorn and Uva Provinces	D6
	S17	Sothorn and Uva Provinces	I4
	S15	Sothorn and Uva Provinces	D6
	S14	Sothorn and Uva Provinces	D6
Pop 5	S177	North Western Province (Kurunegala Margin)	I3
	S192	North Western Province (Kurunegala Margin)	I4
	S186	North Western Province (Kurunegala Margin)	I4
	S168	North Western Province (Kurunegala Margin)	W5

	S171	North Western Province (Kurunegala Margin)	I3
	S189	North Western Province (Kurunegala Margin)	I3
	S190	North Western Province (Kurunegala Margin)	I4
	S191	North Western Province (Kurunegala Margin)	I3
	S196	North Western Province (Kurunegala Margin)	I3
	S193	North Western Province (Kurunegala Margin)	W5
	S169	North Western Province (Kurunegala Margin)	I3
	S194	North Western Province (Kurunegala Margin)	I4
	S173	North Western Province (Kurunegala Margin)	I4
Pop 6	S185	North Western Province (Puttlam Margin)	I3
	S181	North Western Province (Puttlam Margin)	I3
	S179	North Western Province (Puttlam Margin)	I3
	S176	North Western Province (Puttlam Margin)	I3
	S184	North Western Province (Puttlam Margin)	I4
	S170	North Western Province (Puttlam Margin)	I3
	S187	North Western Province (Puttlam Margin)	I3
	S10	North Western Province (Puttlam Margin)	I4
	S182	North Western Province (Puttlam Margin)	I4
	S175	North Western Province (Puttlam Margin)	I3
	S183	North Western Province (Puttlam Margin)	I3
	S13	North Western Province (Puttlam Margin)	I4
	S174	North Western Province (Puttlam Margin)	I3
	S180	North Western Province (Puttlam Margin)	I 3
	S172	North Western Province (Puttlam Margin)	I4
	S9	North Western Province (Puttlam Margin)	I3
	S12	North Western Province (Puttlam Margin)	I3

	S178	North Western Province (Puttlam Margin)	I3
	S188	North Western Province (Puttlam Margin)	I3
	S8	North Western Province (Puttlam Margin)	I3
Pop 7	S162	Central Province	W5
	S163	Central Province	I3
	S164	Central Province	W5
	S48	Central Province	W5
	S199	Central Province	W5
	S161	Central Province	W5
	S45	Central Province	W5
	S167	Central Province	I4
	S198	Central Province	I4
	S166	Central Province	I3
	S101	Central Province	I4
	S16	Central Province	I3
	S92	Central Province	I4
	S158	Central Province	I4
	S51	Central Province	W3
	S91	Central Province	I4
	S159	Central Province	W5

Climatic Region: W3 – Semi wet uplands; W5 – Wet midlands; D1 – Reddish brown earth region; D2 – Latosole region; D3 – Noncalcic Brown soil region; D5 – Regosol region; D6 – very dry coastal lowlands; I3 – Semi wet lowlands; I4 – Semi dry lowlands.

Figure A1. Fruit phenotypes of representative samples from each cluster. a–e: A1 Cluster (S12, S158, S169, S177, S180), f–j: A2 Cluster: (S105, S106, S111, S161, S162, S183), k–o: B1 Cluster (S181, S8, S176, S179, S185), p–r: B2 Cluster (S21, S32, S136), s–u: B3 Cluster: (S101, S134, S166). Scale bar: a–u = 1cm.

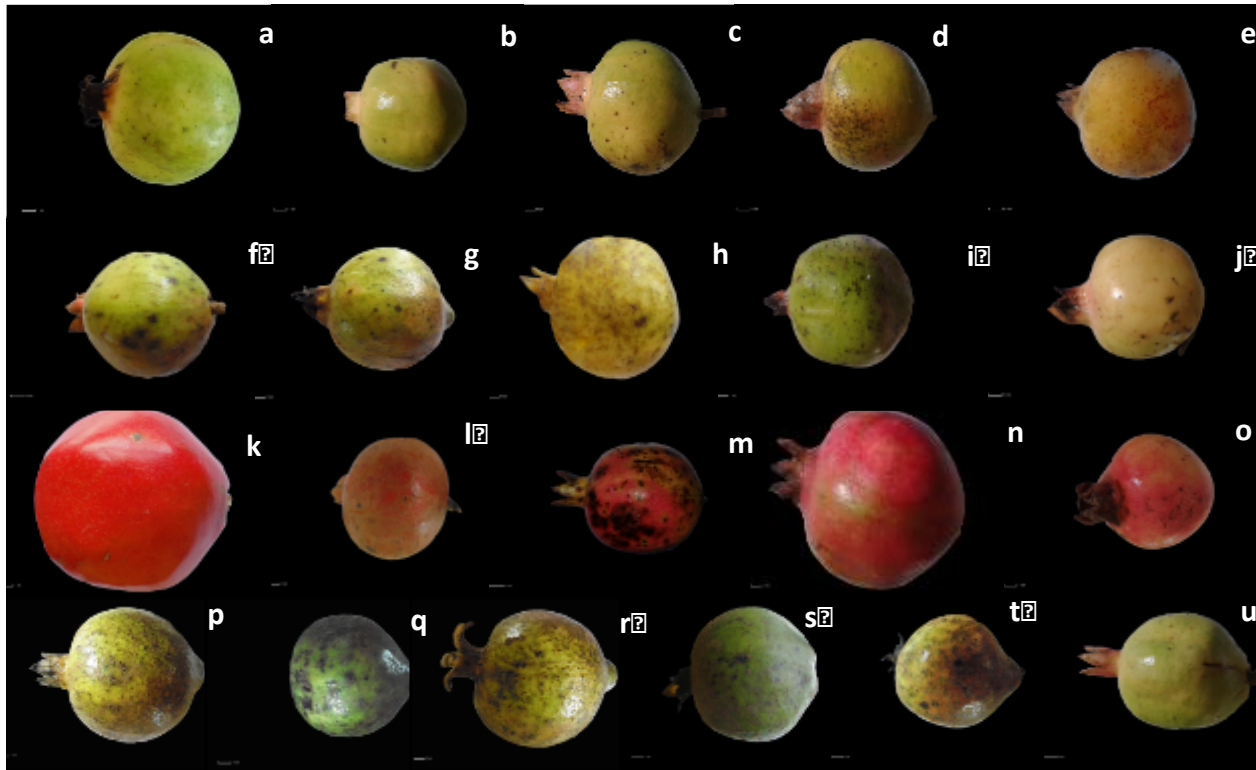


Figure A2. Dispersion of 120 Sri Lanka pomegranate accessions on the bi-plot (20.9% of the total inertia) of the principal component analysis (PCA) based on 20 ISSRs markers.

