

Table 1 Inference of best K obtained from Delta K method

K	Ln P(D)	Std (Ln P(D))	Ln P(D)'	Ln P(D)''	 Ln P(D)''' 	Delta K
1	-21175.0	19.77	2635.0			
2	-19735.0	20.74	1440.0	-795.0	795.0	38.34
3	-19090.0	26.25	645.0	1779.0	1779.0	67.77
4	-16666.0	25.63	2424.0	-1270.0	1270.0	49.55
5	-15512.0	25.63	1154.0	-1154.0	1154.0	45.02

Table 2 Fixation indices, mean diversity and effective alleles for sub-populations

Sub-population #ID	Mean observed heterozygosity	Mean expected heterozygosity	Coefficient of inbreeding	Fixation index	Overall Fixation index	Fixation index based on nucleotide diversity	Mean Diversity	Unbiased Mean Diversity	No. of effective alleles
POP	HI	Hs	FIS = (HS-HI)/HS	FST = (HT-HS)/HT	FIT = (HT-HI)/HT	$\Phi_{ST} = (\pi T - \pi S)/\pi T$	h	uh	Ne
K1	0.01381	0.12975	0.89357	0.60526	0.95799	0.6795	0.1297	0.1304	1.1491
K2	0.01327	0.24763	0.94641	0.24662	0.95963	0.2915	0.2476	0.2492	1.3291
K3	0.01153	0.09943	0.88405	0.69750	0.96492	0.7665	0.0994	0.1004	1.1104

Table 3 Pair-wise F_{ST} Comparisons of three sub-populations

	K1	K2	K3
K1		0.4675	0.1270
K2			0.5318

Table 4 Distribution of different germplasm groups across three sub-populations

Germplasm type	Sub-populations			Total
	K1	K2	K3	
Local Landraces	4 (10.26)	1 (2.56)	34 (87.18)	39
Local Collections	31 (31.00)	34 (34.00)	35 (35.00)	100
Indigenous Collections	4 (23.53)	9 (52.94)	4 (23.53)	17
Exotic Collections	52 (82.54)	7 (11.11)	4 (6.35)	63
Advance Breeding Lines	111 (50.45)	88 (40.00)	21 (9.55)	220
Obsolete Cultivars	0 (0.00)	3 (75.00)	1 (25.00)	4
Varieties	8 (29.63)	14 (51.85)	5 (18.52)	27
Total	209	156	105	470

Figures in parenthesis are in percentages