		2-bp InDels
	CID C 10288208 ICC4958	GTTCCCAGCATATTACCCAGATTTACTACTC
Desi, kabuli and wild chickpea accessions	CID_C_10288208_ICC4951	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_ICCX810800	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_IC296132	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_ICCC37	GTTCCCAGCATATTACCCAGATTTACTACTC-CTTTTATCAAATAATCTTAACTTATTCTTGACTTGA
	CID_C_10288208_ICCV10	GTTCCCAGCATATTACCCAGATTTACTACTC-CTTTTATCAAATAATCTTAACTTATTCTTGACTTGA
	CID_C_10288208_ICCV88202	GTTCCCAGCATATTACCCAGATTTACTACTC—CTTTTATCAAATAATCTTAACTTATTCTTGACTTGA
	CID_C_10288208_IC296131	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_ICCV93954	GTTCCCAGCATATTACCCAGATTTACTACTC <u>TC</u> CTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_IC296133	GTTCCCAGCATATTACCCAGATTTACTACTC-CTTTTATCAAATAATCTTAACTTATTCTTGACTTGA
	CID_C_10288208_BGD72	GTTCCCAGCATATTACCCAGATTTACTACTC—CTTTTATCAAATAATCTTAACTTATTCTTGACTTGA
	CID_C_10288208_ICC17160	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_ICC12968	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_ICCV95332	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_ICCV92311	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_ICCV92337	GTTCCCAGCATATTACCCAGATTTACTACTC-CTTTTATCAAATAATCTTAACTTATTCTTGACTTGA
	CID_C_10288208_ICCV95311	GTTCCCAGCATATTACCCAGATTTACTACTC - CTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_ICCV96329	GTTCCCAGCATATTACCCAGATTTACTACTC—CTTTTATCAAATAATCTTAACTTATTCTTGACTTGA
	CID_C_10288208_ICCV95334	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_IC449069	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_BGD1105	GTTCCCAGCATATTACCCAGATTTACTACTC -CTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_PUSA5023	GTTCCCAGCATATTACCCAGATTTACTACTC CTTTTATCAAATAATCTTAACTTATTCTTGACTTGA
	CID_C_10288208_IC296376	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_PhuleG0515	GTTCCCAGCATATTACCCAGATTTACTACTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
Individuals of a mapping nonulation	CID_C_10288208_MI1	
	CID_C_10288208_MI2	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA GTTCCCAGCATATTACCCAGATTTACTACTC——CTTTTATCAAATAATCTTAACTTATTCTTGACTTGA
	CID_C_10288208_MI3 CID C 10288208 MI4	GTTCCCAGCATATTACCCAGATTTACTACTC-CTTTTATCAAATAATCTTAACTTATTCTTGACTTGA
		GTTCCCAGCATATTACCCAGATTTACTACTCTCTCTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_MIS CID_C_10288208_MI6	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID C 10288208_M16	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID C 10288208_MI7	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTCTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
	CID_C_10288208_M18 CID_C_10288208_M19	GTTCCCAGCATATTACCCAGATTTACTACTCTCCTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
di	CID C 10288208_MI9	GTTCCCAGCATATTACCCAGATTTACTACTCTCO-CTTTTATCAAATAATCTTAACTTATTCTTGACTTGAA
In	CID_C_10200200_M110	STICCAGOATATIACCOAGATITACIACIO

2 hn InDola

Figure S3: Multiple sequence alignment of resequenced PCR amplicons generated from a representative set of 24 chickpea accessions and 10 individuals of a mapping population (ICC 4958 x ICC 17160) using a selected InDel marker (CID_C_10288208)-carrying *histone deacetylase* gene. This validated the presence of expected InDels, which corresponded well with our *in silico* prediction of 2-bp fragment length polymorphism commonly detected among four chickpea accessions (ICC 4958, ICC 4951, ICC 12968 and ICC 17160). The efficiency of InDel marker for large-scale validation and genotyping in a diverse set of *desi, kabuli* and wild chickpea accessions and individuals of a mapping population based on amplicons resequencing was apparent. The detailed information regarding InDel marker is mentioned in the Table S3.