

Table S1. List of SSR markers used for genetic analysis of faba bean collection.

SSR Locus	Sequence (5'-3')	Ta (°C)	Repeat motif	References
M9	F: AATCACAAGCGACGACGAC R: GCGGAATATGCAGACCAAAT	58	(GA)8	[30]
M22	F: TCGCAATAGCACAGAACCTG R: GATCAAACCTCCCAACCTCA	58	(CCACCG)3	"
M25	F: CGTCGTGAAAATCATGGAGA R: CATTATTATTACCCCGCCTCA	57	(ATC)6	"
M27	F: TCCGATCAATTCCTGAGAC R: CGGTATCTTGCTTTCCTTCG	57	(CGAAAA)3	"
M36	F: GCGGGTTTATTCCATC R: TCCGTTTGCGTAGC	47	(CCA)8	"
M41	F: CAACGCGGCAGTTAAAGAAT R: CAGGTATGGCTGACACCTCA	57	(GGAACC)3	"
M43	F: TTCTGATGAGAAGCCAACCA R: GGGGGAGGAACCAGATTATT	57	(AAT)5	"
M46	F: GGATGGATTGATTCTCCAACA R: GCATAACTAACACATTATGCAGGA	57	(ATAA)4	"
SSR1	F: ACCAGGCAGAGTTAGATAAGCA R: GTCACTCGGATGTCCAGGTAT	56	(GGAACC)3	[31]
VFG1	F: TTTCAGCAAACCTAGAACCAATC R: GGCATTCAGTTTTTACCTTGTA	53	(AG)15	[32]
VFG41	F: AGCCCATGGTTCAAATGCAA R: GCAGTCATGCCACTGCTTA	53	(AG) ₇ + 10	"