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## Supplementary Material

### **Exploiting a fast neutron mutant genetic resource in *Pisum sativum* (pea) for functional genomics**

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**Table S1. List of primers referred to in the text (5' to 3')**

Gene specific primers			
Gene	Accession number	Primer sequence	Primer sequence
P54	Y11207	TTGAAACAAAAATCGACACAAAGG	TAAAACGGCCAAACCATAGTTCTC
lectin	Y00440	GGCTTCTCTTCAAACCCAAATG	CTTGGATCCCATGCAGCAT
vicilin	X14076	TTTCCACTTTTGATGCTAATGGG	CGGTGTGCTGTGGAAGAAATATT
convicilin	X06398	GAAATACAAATCATGGCGACCAC	GAACGTTTGTGCGAACCTTTGAAG
PsCYC3	EU574915	TAGGCACAGTAAGATTCACACATCACAG	ACATCATGTTCCCTTTTTATCATGATAGATTC TTC

RAD adapters and primers	
Adapter name	
P1_T_SbfI	AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTxxxxxTGCA
P1_B_SbfI	yyyyyAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGTAGATCTCGGTGGTCGCCGTATCATT
P2_T	CTCAGGCATCACTCGATTCCTCCGAGAACAA
P2_B	CAAGCAGAAGACGGCATACGACGGAGGAATCGAGTGATGCCTGAGT
	xxxxx represents a 5 nt sequence specific to a sample (yyyyy is its complement)
P1-PCR-primer:	AATGATACGGCGACCACCGA
P2-PCR-primer:	CAAGCAGAAGACGGCATACGA



**Fig. S1.** JI2822 FN mutant population. A selection of M3 lines derived from JI2822 are shown illustrating their compact habit. For a scale reference the pot size is 4" square (ca. 10 cm, see left). The field includes a family segregating for *b* (Moreau *et al.* 2012) conferring the pink flower colour and light axil rings.

#### **Reference**

Moreau C, Ambrose MJ, Turner L, Hill L, Ellis THN, Hofer JMI (2012) The *b* gene of pea encodes a defective flavonoid 3',5'-hydroxylase, and confers pink flower color. *Plant Physiology* **159**, 759–768.