

Table S2 List and sequences of primers targeting candidate sequences of the pollen-recognition extracellular domain of the *SRK* gene in *Biscutella neustriaca*. T_m indicates the optimized hybridization temperature during PCR reaction. When the number of PCR cycles used is different from 35 cycles, it is indicated after T_m in parenthesis. Generalist primers amplify several sequences belonging to the same sequences class.

Class		F-specific primer		R-specific primer	T _m (°C)	Sequence(s) amplified
<i>Bne327420L</i>	X-F001	GTACCGGAGATGCGGAAGT	X-R540	GAGCTCTCCGGACCAAATTA	60	1 and 2
<i>BneSRKA</i>	A01-F142	AGGTGGAATTCGACGTTAAA	A01-R558	GTAATTACTGATATCCAATA	52	1
	A02-F277	TTTACGAAGAGGAATCCGGT	SLGR		50	2
	A03-F074	TTAAACTCACCAGCCCAGAAT	A03-R421	TATCCACAGTTGCCGCCCTTG	62	3
	A04-F068	ACACTTTTCAACTCACCAAGCGA	SLGR		59	4 and 5
	A06-F238	GACATGGACACTTCACCGAT	A06-R514	CAGACCCATTATTTTCGGACA	62	6
	A-F020	GGGAACACATGGTTTCCAAC	SLGR		50	
	A-F300	GTGGGAAAGGACAAATGGAA	SLGR		60	Generalist A
	A-F294	GSWTGAGTGGGAAAKGRCAA	A-R461	CYGCACATYTTTCTCACA	60	
	A-F330	TGTGAGGAAGACACGGTTGA	SLGR		50	Generalist A and C01
<i>BneSRKB</i>	B01-F079	ATGACCAACCAAACCATACAG	SLGR	ATCTGACATAAAGATCTTGACC	52	1
	B-F075	CTTCATGACCAACCAAAGCA	B-R495	CGCATTGCAAATCCTCTAC	60	3
	B04-F159	ATATGGATGGAGACAGATGT	B04-R371	GTAAGCCATCTCCCCTGTA	60	4
	B05-F112	GTGAGTTTACGGGTCTTTTCG	B05-R405	TGTAGTATCCGGCAACTTAA	60	5
	B06-F276	GTTTGATCCTAGAAATCCACAT	B06-R463	CTTTAAGGCACCTTCTCTCA	60	6
	B09-F147	GATTCCGATATCAGATGACT	B-R564	WRCATAATCCGAATATCAA	50	9
	B10-F238	GACATGAACACGTCACCGGT	B10-R452	TTCTTACATTCTTTCGTATCA	52	10
	B11-F153	GACATCATATGAATGGAGCCCG	B-R539	AKCAYTYCYKTCCAAATAAC	52	11
	B12-F110	CTGTGAGTTTTACGGGCTTT	B12-R408	TGTAGTGTCCGGCAGCTTTACC	63	12
	B17-F115	ACTTTCTGGGGTATTTAAATA	B-R388	TTATCTTCTCARCCSGTA	58 (40c)	17
	B-F055	GATGARATCGCTTACACGTT	B-R564	WRCATAATCCGAATATCAA	54	
	B-F064	GCTTACACGTTCYTMATGACC	B-R388	TTATCTTCTCARCCSGTA	50	Generalist B
			B-R539	AKCAYTYCYKTCCAAATAAC	60	
<i>BneSRKC</i>	C-F001	GCTGCAGAGGTGACAAGTTTT	C-R173	GGATGGGTTGTCTGATTGG	56	1