

Gene *E559*

Gene E523

Plant ID	X or Y	Population	Sites of SNPs or indels														
			4	—	101	2	2	3	3	3	4	4	5	6	6	6	7
			3	149	1	0	8	3	5	9	4	9	1	4	6	2	8
1	X	Sweden	G	absent	G	G	A	C	C	A	G	G	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	T	G	C	T
2	X	Greece	G	absent	G	G	A	C	C	A	C	—	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	C	G	C	T
3	X	Denmark	G	absent	G	G	A	C	C	A	C	G	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	T	G	C	T
4	X	Austria	G	absent	G	G	A	C	C	A	C	G	T	T	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	T	G	C	T
5	X	Norway	G	absent	G	G	A	C	C	A	G	G	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	T	G	C	T
6	X	Greece, Evrou	G	absent	G	G	A	C	C	A	C	—	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	C	G	C	T
7	X	Italy	G	absent	G	G	A	C	C	A	C	G	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	C	G	C	T
8	X	Italy	G	absent	G	G	A	C	C	A	C	—	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	T	G	C	T
9	X	Estonia	G	absent	G	G	A	C	C	A	C	—	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	C	G	C	T
10	X	Portugal	G	absent	G	G	A	C	C	A	C	—	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	C	G	C	T
11	X	Netherlands	G	absent	G	G	A	C	C	A	G	G	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	T	G	C	T
12	X	France	G	absent	G	G	A	C	G	A	C	G	C	C	T	A	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	C	G	C	T
13	X	UK	G	absent	G	G	A	C	C	A	C	—	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	C	G	C	T
14	X	Spain	G	absent	G	G	A	C	C	A	C	—	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	C	G	C	T
15	X	Spain	G	absent	G	G	A	C	C	A	C	—	T	C	T	C	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	C	G	C	T
16	X	Germany	G	Present	G	G	A	C	G	A	C	G	C	C	T	A	A
	Y		C	Present	A	A	T	T	G	G	C	T	T	T	G	C	T

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 The Y state is found in one X
 The Y state is found in 2 Xs
 Polymorphism exclusive to the Y

Figure S2 Variants in the Y- and X-linked haplotypes of the E559 (part A of the figure) and E523 (part B of the figure) genes.