

Table S1. - Changes of total bands in samples untreated (Ct) and treated with Cd and Pb compared to the control reference plant (C). Polymorphism in ISSR profiles based on band changes common to the three replicas: a - appeared band; b - disappeared band; c - increased band intensity; d - decreased band intensity. C-bands is the number of bands observed in the control reference plant with each primer. SAR, SIC and SPA indicate the three cardoon cultivar analyzed: Sardo, Siciliano and Spagnolo. For more details see M&M.

SAR		Ct				Cd				Pb			
Primer	C - bands	a	b	c	d	a	b	c	d	a	b	c	d
10	8	2	2	2	0	5	1	4	0	5	0	6	0
14	7	5	1	0	0	8	2	0	0	17	1	4	0
15	12	1	0	0	0	11	14	3	0	7	11	0	5
18	12	1	2	2	0	7	15	3	0	11	11	2	0
19	14	4	2	0	2	4	5	0	5	6	7	0	4
20	11	0	0	0	1	8	4	0	3	9	2	0	5
22	9	1	2	0	0	2	4	3	0	4	2	8	0
23	10	3	3	0	0	8	6	1	2	9	5	2	0
w843	5	1	0	0	0	6	4	2	3	2	3	3	2
w814	5	0	1	1	1	1	3	2	3	3	3	6	1
w898	11	1	3	0	1	19	8	3	2	23	7	8	2
w899	8	0	0	0	0	0	9	0	0	7	6	0	2
w901	12	4	2	0	0	11	14	0	2	7	15	0	1
8082	7	2	2	0	0	0	3	5	0	1	5	6	0
8564	12	0	1	0	0	5	5	2	0	3	10	2	0
8565	14	3	3	1	1	2	6	3	0	0	8	3	3
DAT	9	0	1	0	0	2	8	1	0	4	8	5	0
HAD	7	1	0	0	0	4	3	2	3	8	2	3	0
MAN	10	1	1	0	0	1	3	0	0	3	6	1	0
TE	11	1	1	3	0	1	1	1	0	4	2	1	2
Tot	194	31	27	9	6	105	118	35	23	133	114	60	27
a+b		58				223				247			
a+b+c+d		73				281				334			

SIC	Ct	Cd	Pb
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Primer	C - bands	a	b	c	d	a	b	c	d	a	b	c	d
10	12	0	2	2	0	3	5	0	1	7	5	2	3
14	11	0	0	0	0	9	8	4	0	5	5	4	1
15	8	0	0	0	0	5	0	0	0	1	2	0	0
18	11	2	3	0	0	4	3	1	3	5	6	1	2
19	14	0	0	0	0	0	0	0	0	0	0	0	0
20	18	0	0	0	0	0	0	0	0	0	0	0	0
22	8	0	4	0	6	0	5	8	8	2	3	0	12
23	10	0	0	0	0	5	4	0	4	5	5	1	2
w843	6	2	1	1	1	3	0	3	0	4	1	4	0
w814	5	2	0	3	1	4	4	5	1	8	4	6	1
w898	20	5	2	4	2	4	12	9	2	5	13	11	0
w899	4	0	0	0	0	0	3	2	0	2	2	1	0
w901	14	1	6	0	0	5	5	0	0	2	7	4	0
8082	6	3	4	0	0	5	5	2	0	2	4	1	0
8564	6	1	1	0	0	0	3	4	0	0	3	6	0
8565	9	1	1	2	0	3	4	3	0	4	4	2	0
DAT	7	2	0	0	3	0	1	3	0	0	1	2	1
HAD	13	5	8	2	0	6	16	5	0	3	13	11	1
MAN	9	3	3	0	0	6	4	0	0	3	2	4	1
TE	9	6	3	0	1	7	0	0	2	5	3	1	2
Tot	200	33	38	14	14	69	82	49	21	63	83	61	26
a+b		71				151				146			
a+b+c+d		99				221				233			

[illegible]

20	9	0	0	0	0	0	0	0	0	0	0	0	0
22	10	4	4	2	0	11	9	12	0	10	4	15	0
23	12	1	1	0	0	9	11	9	0	6	8	9	0
w843	10	5	6	0	0	10	4	3	1	6	8	5	1
w814	6	3	2	4	2	5	3	3	0	1	2	4	3
w898	20	0	0	0	3	0	2	4	2	1	3	3	3
w899	4	1	1	1	0	1	0	3	1	1	2	2	0
w901	9	0	0	0	0	0	0	0	0	0	0	0	0
8082	6	0	0	2	0	3	2	8	0	5	2	11	0
8564	4	2	2	0	0	3	2	0	0	3	3	0	0
8565	10	0	0	1	3	1	3	0	1	2	2	0	2
DAT	6	0	0	0	0	3	0	3	0	1	0	0	0
HAD	11	2	1	2	0	4	6	8	0	5	6	6	1
MAN	13	5	4	2	0	6	5	1	0	2	3	2	0
TE	15	0	0	0	0	0	0	0	0	0	0	0	0
Tot	206	27	24	17	8	56	53	60	5	48	54	61	10
a+b		51				109				102			
a+b+c+d		76				174				173			