

Supplementary Material to “Cross-genera SSR transferability in cacti revealed by a case study using *Cereus* (Cereeae, Cactaceae)”**Table S3** - PCR conditions for the SSR markers transferred with respective alleles size per population. The negative sign (-) means failure in transferability.

Species	Populations	Conditions	<i>mAbR 28</i>	<i>mEgR 02</i>	<i>mEgR 76</i>	<i>mEgR 78</i>	<i>Pmac82</i>	<i>Pmac84</i>	<i>Pmac108</i>	<i>Pmac146</i>	<i>Pmac149</i>
<i>C. fernambucensis</i> subsp. <i>fernambucensis</i>	S80	T (°C)	52	55	65-55 (TD)	52	56	52	49	54	-
		MgCl ₂ (μM)	3.0	3.0	2.5	2.5	1.5	1.5	1.5	1.5	-
		Primer (μM)	0.3	0.5	1.0	0.5	0.25	0.25	0.25	0.25	0.25
		Size (bp)	176-186	155-168	360	232-236	84-90	78-82	104-130	128-136	-
	S104	T (°C)	52	52	65-55 (TD)	52	56	60	50	54	-
		MgCl ₂ (μM)	3.0	3.0	2.5	2.5	1.5	1.5	1.5	1.5	-
		Primer (μM)	0.3	0.5	1.0	0.5	0.25	0.25	0.25	0.25	0.25
		Size (bp)	166-176	166	360	250	87-98	78-80	104-118	82-130	-
	S114	T (°C)	52	52	65-55 (TD)	52	56	60	50	54	-
		MgCl ₂ (μM)	3.0	3.0	2.5	2.5	1.5	1.5	1.5	1.5	-
		Primer (μM)	0.3	0.5	1.0	0.5	0.25	0.25	0.25	0.25	0.25
		Size (bp)	176	166	360	236-250	87-98	78-84	104-110	116-130	-
<i>C. fernambucensis</i> subsp. <i>sericifer</i>	S82/S83	T (°C)	52	52	65-55 (TD)	52	54	53	49	53	-
		MgCl ₂ (μM)	3.0	3.0	2.5	2.5	1.5	1.5	1.5	1.5	-
		Primer (μM)	0.3	0.5	1.0	0.5	0.25	0.25	0.25	0.25	0.25
		Size (bp)	176	178	360-366	236-252	81	78	126	126-134	-
	S88	T (°C)	52	52	65-55 (TD)	52	56	53	50	53	-
		MgCl ₂ (μM)	3.0	3.0	2.5	2.5	1.5	1.5	1.5	1.5	-
		Primer (μM)	0.3	0.5	1.0	0.5	0.25	0.25	0.25	0.25	0.25
		Size (bp)	176	168	360	128-254	87-90	76-78	102-126	128-136	-
<i>C. jamacaru</i>	S113	T (°C)	52	52	65-55 (TD)	-	56	-	47/49	-	59
		MgCl ₂ (μM)	3.0	3.0	2.5	-	1.5	-	1.5	-	1.5
		Primer (μM)	0.3	0.5	1.0	0.5	0.25	0.25	0.25	0.25	0.25
		Size (bp)	176	166	360-366	-	81-84	-	120-130	-	132-140
<i>C. insularis</i>	S115D	T (°C)	52	52	65-55 (TD)	52	56	60	50	54	-
		MgCl ₂ (μM)	3.0	3.0	2.5	2.5	1.5	1.5	1.5	1.5	-
		Primer (μM)	0.3	0.5	1.0	0.5	0.25	0.25	0.25	0.25	0.25
		Size (bp)	176	166-172	360	236-250	87-98	78-80	106-110	110-126	-