



Lane	BEI #	Clone	Genotype		Notes
			SAG1	850	
1	NR-10152	S1T	Type III allele	Type II allele	F1 Progeny
2	NR-10158	CL16	Type III allele	Type III allele	F1 Progeny
3	NR-10159	CL19	Type III allele	Type III allele	F1 Progeny
4	NR-10160	CL29	Type III allele	Type III allele	F1 Progeny
5	NR-10161	S21	Type III allele	Type III allele	F1 Progeny
6	NR-10162	S22	Type II allele	Type II allele	F1 Progeny
7	NR-10163	S23	Type III allele	Type II allele	F1 Progeny
8	NR-10164	S25	Type II allele	Type II allele	F1 Progeny
9	NR-10151	CTG ARA-SYN	Type III allele	Type III allele	Type III parental

Fig. 2. Molecular authentication of *Toxoplasma gondii* clones. PCR was performed with specific primers to the *SAG1* and *KT-850* loci. **(A)** The PCR product size for *SAG1* is 240 bp for clones harboring the Type II strain allele (lanes 6, 8). Clones harboring the Type III allele show a lower migrating DNA band as a result of a 27 bp deletion (lanes 1-5, 7, 9). **(B)** The PCR product size for *KT-850* is 767 bp for all clones. Further differentiation is achieved by restriction enzyme digestion of the amplicon with SfaNI. PCR products corresponding to the Type II allele are resistant to SfaNI (lanes 1, 6-8), while those of the Type III allele are cleaved to 527 and 240 bp fragments after enzymatic digestion (lanes 2, 3, 5, 9).