

**Table S1.** The values of SN<sub>L</sub> coefficient obtained for various concentrations of the tested RAPD-PCR components.

Component concentration		Number of bands ≥1 kb*	SN <sub>L</sub>	Number of bands <1 kb*	SN <sub>L</sub>	Total number of bands*	SN <sub>L</sub>
<b>MgCl<sub>2</sub></b> <b>(mM)</b>	<b>2.5</b>	4...2...1	3.59	3...3...2	8.03	6...4...2	9.45
	<b>3.0</b>	4...3...1	4.08	3...3...2	8.03	6...5...2	9.75
	<b>3.5</b>	8...2...2	7.65	5...3...3	10.58	12...4...4	13.57
<b>dNTPs</b> <b>(mM)</b>	<b>0.8</b>	4...4...8	13.29	3...3...5	10.58	6...6...12	16.81
	<b>1.6</b>	2...3...2	6.91	3...3...3	9.54	4...5...4	12.60
	<b>2.4</b>	1...1...2	1.25	2...2...3	6.91	2...2...4	7.27
<b>Primer</b>	<b>10</b>	4...1...2	3.59	3...2...3	8.03	6...2...4	9.45
<b>M13</b>	<b>20</b>	2...4...2	7.27	3...3...3	9.54	4...6...4	12.93
<b>(pmol)</b>	<b>30</b>	1...3...8	4.25	2...3...5	8.74	2...5...12	10.04
<b>DNA</b> <b>(ng)</b>	<b>20</b>	4...3...2	8.50	3...3...3	9.54	6...5...4	13.62
	<b>40</b>	2...1...8	3.75	3...2...5	8.74	4...2...12	9.73
	<b>80</b>	1...4...2	3.59	2...3...3	8.03	2...6...4	9.45

\* Number of bands obtained in each of the three reactions were increased by one and these values were used directly to determine the SN<sub>L</sub> coefficient (Y).