

Supporting information for Stone *et al.* (December 26, 2001) *Proc. Natl. Acad. Sci. USA*, 10.1073/pnas.012364999.

Table 2. PCR and DHPLC conditions

STS locus	DHPLC conditions		PCR annealing temperatures, °C
	Temperatures, °C	Gradient conditions	
sY15	54, 56, 58	37/53/61; 1.5/4.0	64-54/54 (touchdown PCR)
	54, 56	45/57/63; 0.5/3.0	
sY19	64, 66, 68	37/53/61; 1.5/4.0	64-54/54 (touchdown PCR)
	59, 61	50/56/60; 1/2	
sY65	56, 58	37/53/61; 1.5/4	64-54/56 (touchdown PCR)
	55	52/58/62; 1/2	
sY67	64, 66	37/53/58; 1.5/4.0	64-54/54 (touchdown PCR)
	59, 61	35/47/55; 1/5	
sY74	64, 66	37/53/56; 1.5/3.0	64-54/56 (touchdown PCR)
	60, 61	35/48/56; 1/5	
sY84	62, 64, 66	45/55/62; 3/3.5	64-54/54 (touchdown PCR)
	58, 59	52/58/62; 1/2	
sY85	62, 66	50/59/66; 1/3.5	64-54/54 (touchdown PCR)
	57, 59	55/52/66; 1/2	
sY123	64, 66	45/55/65; 1/4	63
	56, 57	54/60/64; 1/2	
sY126	60, 62, 64	45/55/68; 3/6.5	64-54/54 (touchdown PCR)
	56, 58	50/56/60; 1/2	
SMCY	56, 58, 60	45/55/68; 3.0/6.5	54
	56, 57	55/61/65; 1/2	

DHPLC gradient conditions: The gradient is composed of buffer A (0.1 M triethylammonium acetate with 0% acetonitrile) and buffer B (0.1 M triethylammonium acetate with 25% acetonitrile). The numbers in the column indicate: percent B that the sample is being loaded into, start point of gradient in percent B, endpoint of gradient; followed by the number of minutes from loading to the start point and then the number of minutes from starting to ending point in the gradient.

PCR conditions: denaturation for 5 min, followed by 35 cycles of 30 sec at 95°C (denaturation), 30 sec at the annealing temperature noted in the table, and 30 sec at 72°C, and finally 5 min at 72°C.

Touchdown PCR: denaturation for 5 min, followed by 20 cycles of 30 sec at 95°C (denaturation), 30 sec at the first annealing temperature noted in the table with 0.5°C subtracted from the annealing temperature in each successive cycle, and 30 sec at 72°C.

This is followed by 20 cycles of PCR that consist of 30 sec at 95°C, 30 sec at the annealing temperature given after the slash, and 30 sec at 72°C, and finally, 5 min at 72°C.