

TRAP/SRAP Protocol (from Hu 2003 with modifications made in the bean lab)

TRAP/SRAP PCR

	[starting]	[working]	1 reaction
dNTP	5.0mM	0.2mM	0.8 μ L
10x buffer	10x	1x	2.0 μ L
MgCl₂	50mM	2.0mM*	0.8 μ L
R. Primer	10 μ M	0.25 μ M	0.5 μ L
F. Primer	10UM	0.30UM	0.6 μ L
Taq	5U/ μ L	0.8U*	0.16 μ L
H₂O	--	--	14.14 μ L
DNA	40ng/UL	2ng/ μ L	1.0 μ L
			20 μL/rxn

TRAP Thermalcycler Profile

1. 94°C 2 min
2. 94°C 45 sec.
3. 35°C 45 sec
4. 72°C 2 min*
5. Go to step 2, 4 more times
6. 94°C 45 sec
7. 50°C 45 sec.
8. 72°C 1 min
9. Go to step 6, 34 more times
10. 72°C 7 min.

SRAP Thermalcycler Profile

11. 94°C 2 min
12. 94°C 45 sec.
13. 35°C 45 sec
14. 72°C 1 min
15. Go to step 2, 4 more times
16. 94°C 45 sec
17. 50°C 45 sec.
18. 72°C 1 min
19. Go to step 6, 34 more times
20. 72°C 7 min.

*Modified from Hu 2003