

129mmHuTg gradient 17.04.2015 (129Hg_gradient_17042015)

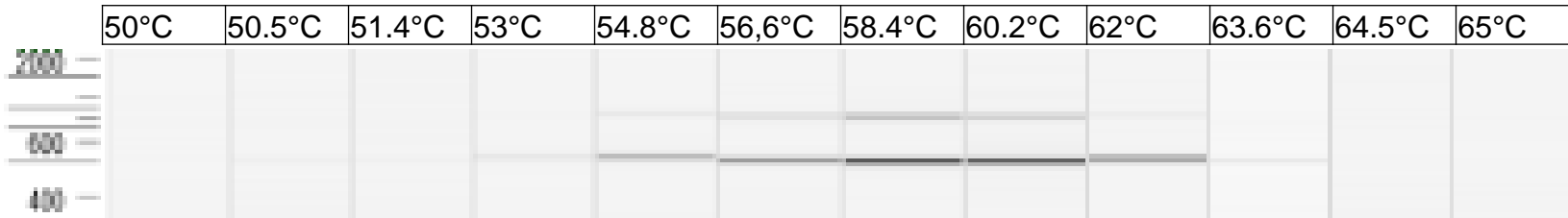
A gradient from 50°C-65°C annealing temperature was using a Primer Mix containing 20 of transgene primers and 10ul of actin in a final volume of 1ml. For each primer mix one master mix was prepared. 20ul of mm including DNA was pipetted in each well

	1x ul	14x	
Primers mix		8	112 ul
HotStar Taq		10	140 ul
DNA		2	28 ul

Thermocycler settings		
94°C	5min	
94°C	30sec	
50-65°C	1min	x 25
72°C	1min	
72°C	10min	
10°C	for ever	

Expected band size (bp)	description
500	500 actin
750	750 tg

129mmHuTg with actin



60°C was chosen as optimal annealing temperature, but amount of actin was decreased to 5ul for further tests

129mmHuTg

Expected band size

basepair	description
500.0	500 actin
750.0	750 tg

[add/remove expected band size](#)

Primer(s)

	Primer	ID	Working Stock Concentration (μM)	μl for 1ml Stock	Sequence
available	129m hutg-fwd	653	100 μM	20.0 μl	CAGTCATTATGGCGAACCTT
available	129m hutg-rev	654	100 μM	20.0 μl	GACCTTCCTCATCCCCT
available	Actin fwd	114	100 μM	5.0 μl	TGT TAC CAA CTG GGA CGA CA
available	Actin rev	115	100 μM	5.0 μl	GAC ATG CAA GGA GTG CAA GA

[add/remove Primers](#)