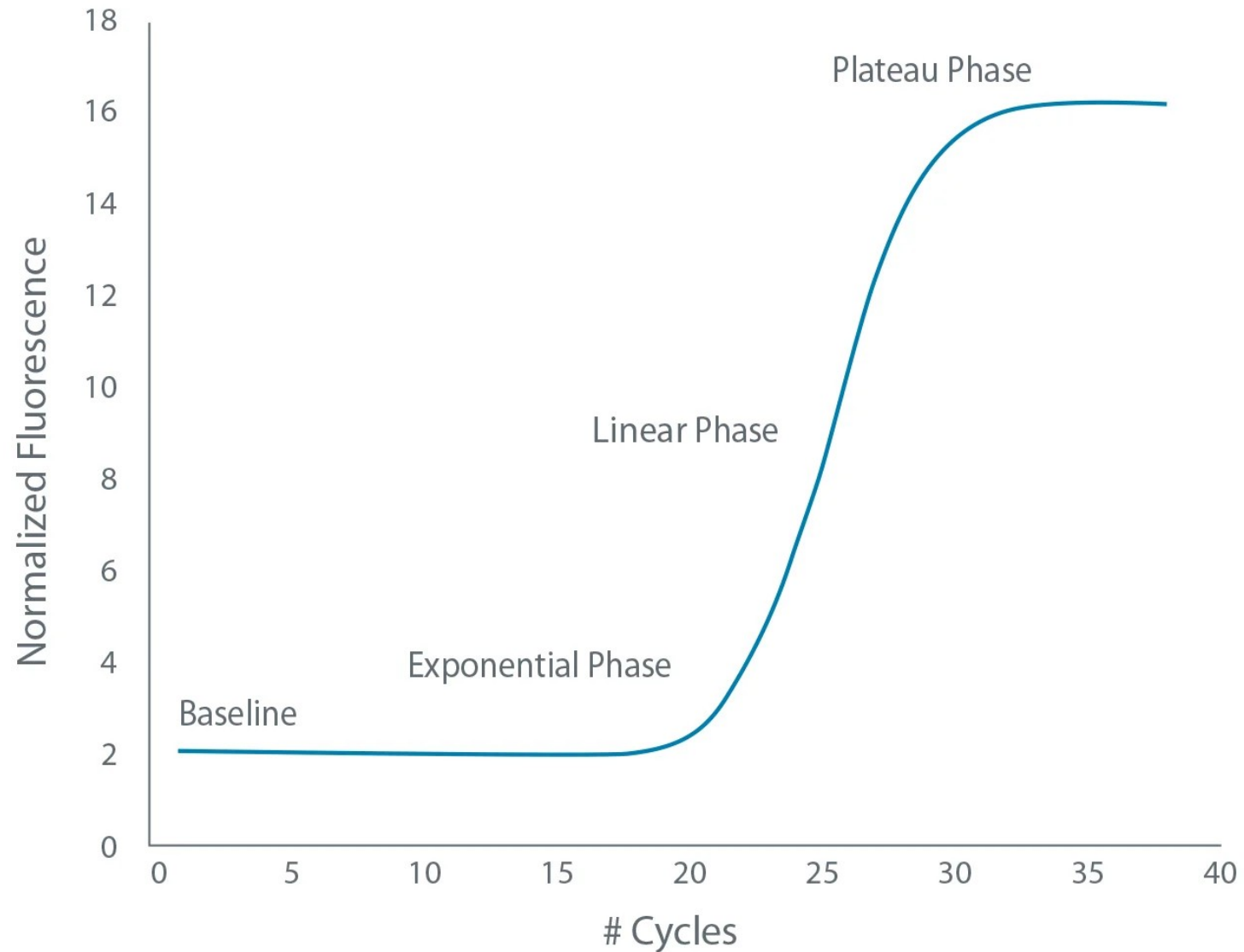
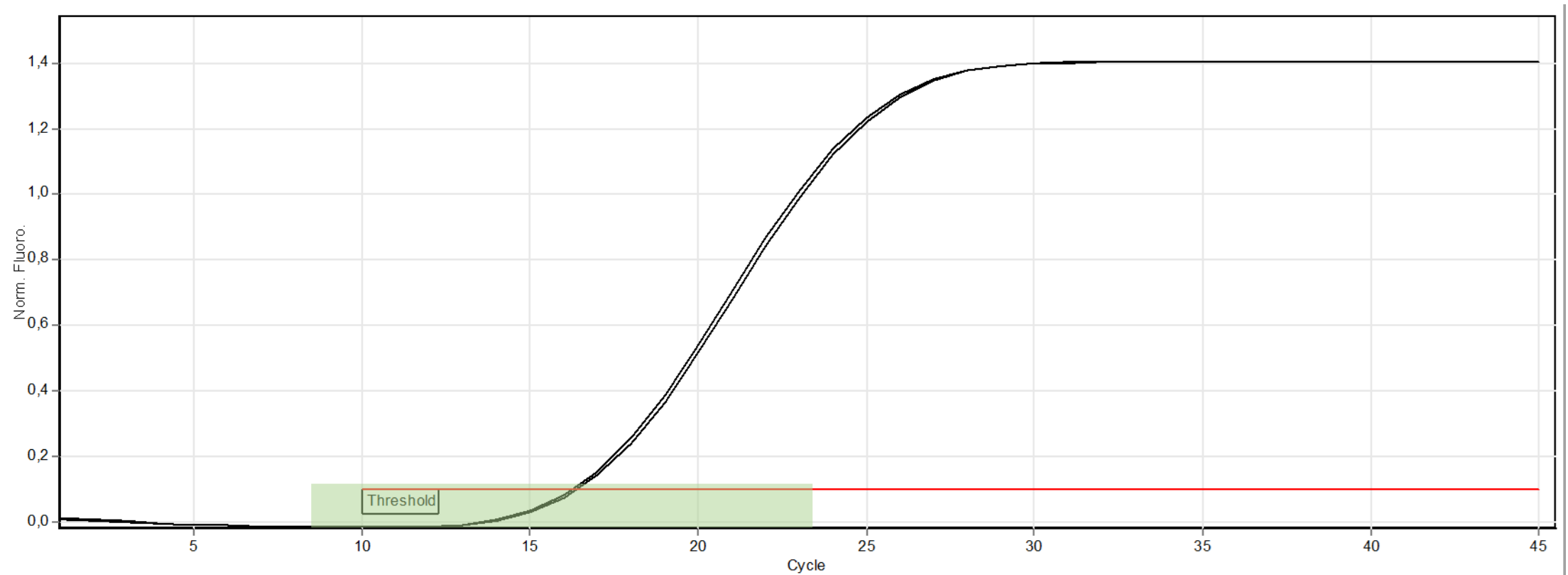


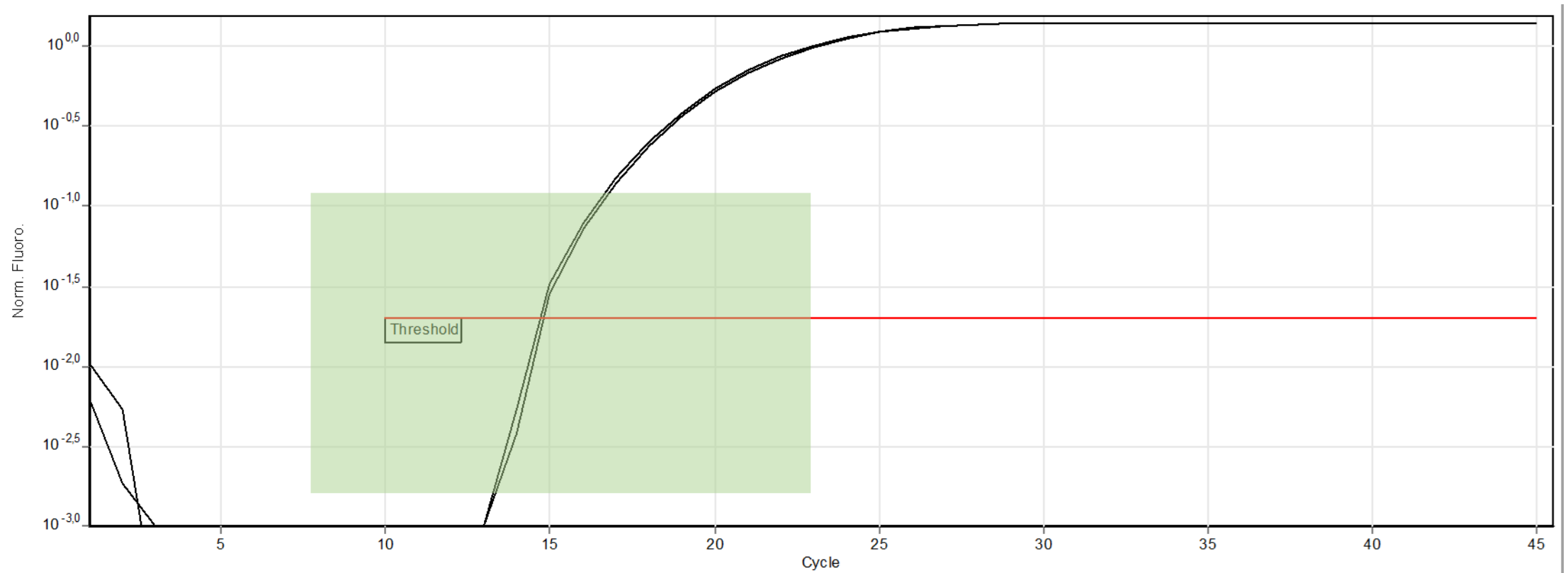
# qPCR amplification plot



# qPCR amplification plot: linear scale

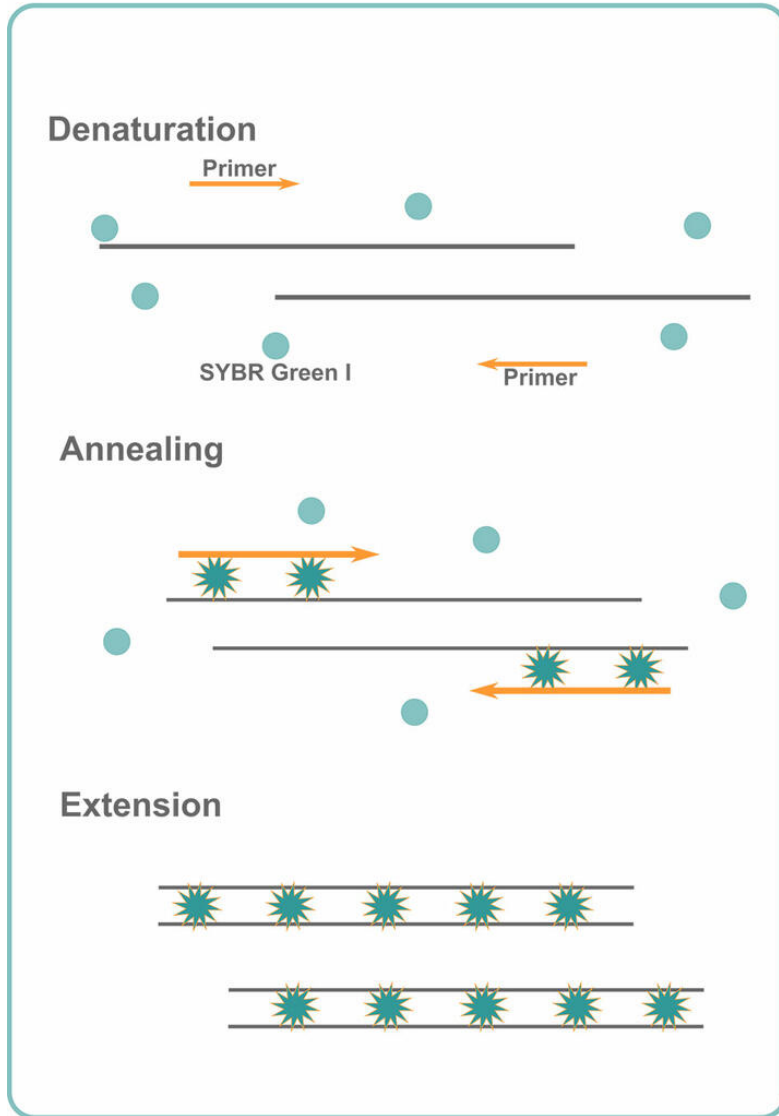


# qPCR amplification plot: semi-log scale

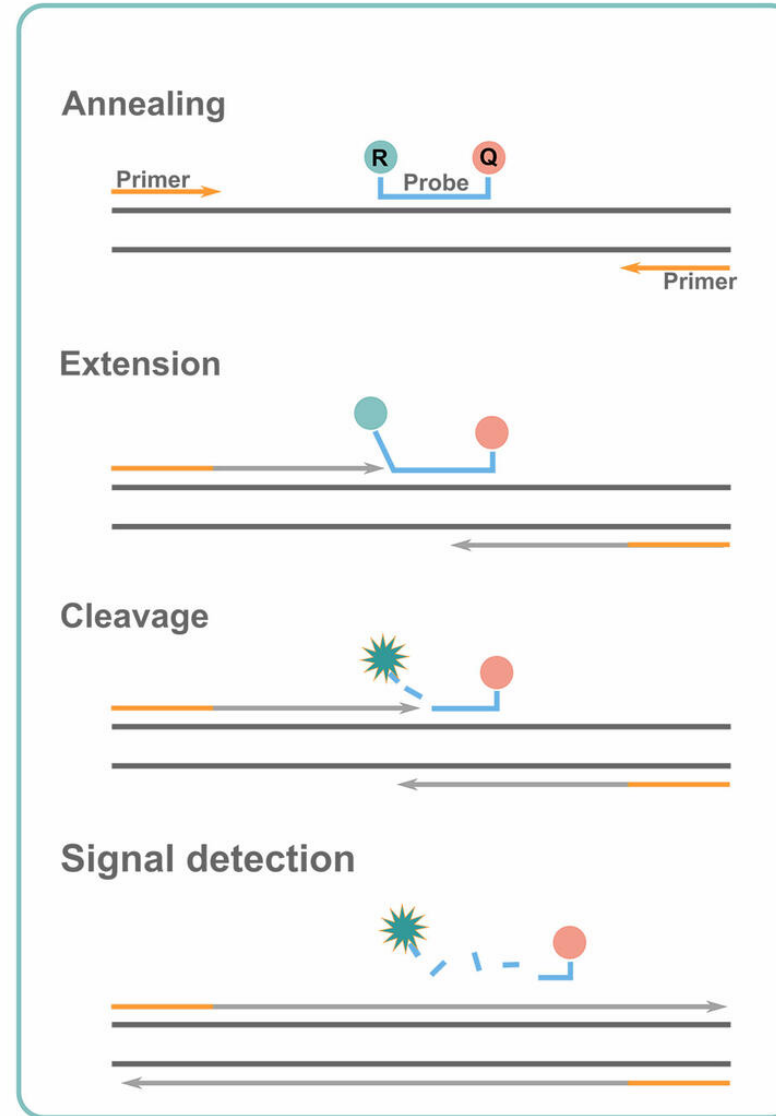


# Detection of qPCR products

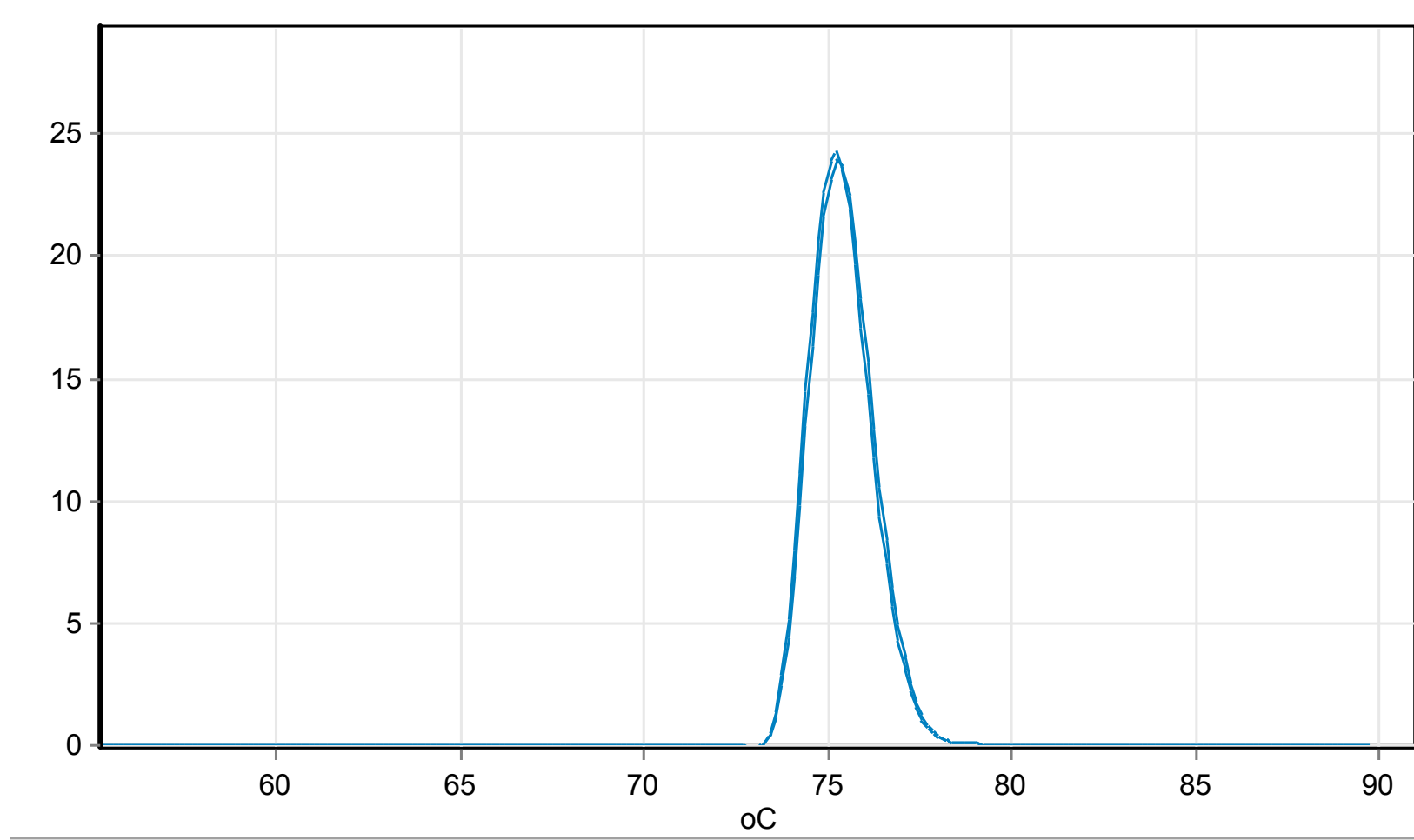
## SYBR Green



## TaqMan



# PCR product melting curve



# PCR (primer) efficiency

Ct hodnoty

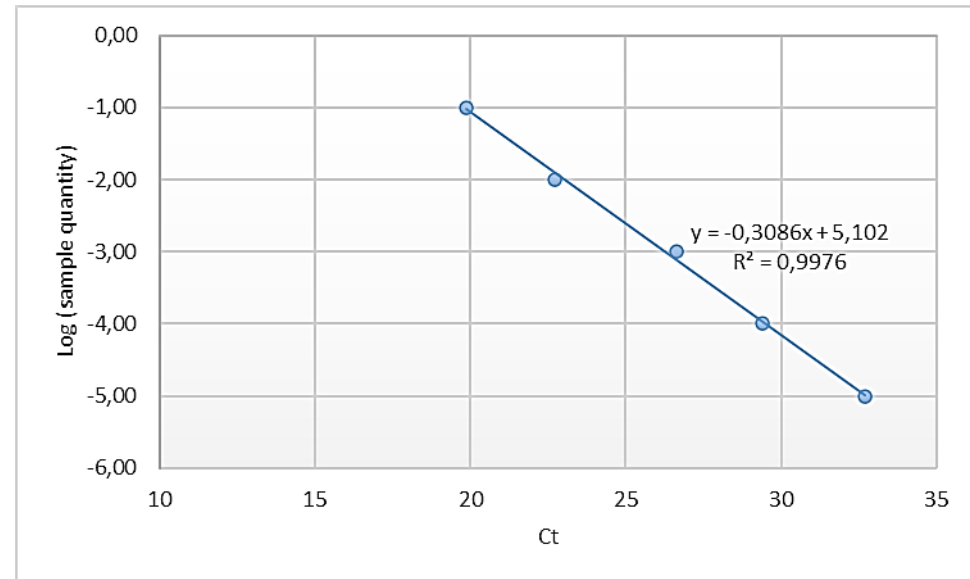


cDNA	Ct 1	Ct 2	Avg Ct	Sample Quantity	Log (sample quantity)
10x	19,9	19,85	19,875	0,10000	-1,00
100x	22,65	22,76	22,705	0,01000	-2,00
1.000x	26,95	26,3	26,625	0,00100	-3,00
10.000x	29,08	29,69	29,385	0,00010	-4,00
100.000x	32,71	32,68	32,7	0,00001	-5,00

Efektivita  
amplifikace



Slope	-0,3086
R Squared	0,9976
Efficiency (%)	<b>103,50</b>



# Delta-delta Ct

Ct hodnoty *LBD29*  
v kontrolním vzorku  
(DMSO 6h):  
3 technické repliky

Ct hodnoty *UBC10*  
v kontrolním vzorku  
(DMSO 6h):  
3 technické repliky

	Vzorek	Ct (testovaný gen: <i>LBD29</i> )	Ct (referenční gen: <i>UBC10</i> )	$\Delta$ Ct	$\Delta\Delta$ Ct	$2^{-(\Delta\Delta$ Ct)	Průměr $2^{-(\Delta\Delta$ Ct)	SD (odchylka)
	DMSO 6h	26,17	16,23	9,963	-0,213	1,16		
	DMSO 6h	26,56	16,14	10,353	0,177	0,88	1,01	0,1399818
	DMSO 6h	26,42	16,25	10,213	0,037	0,97		
	NAA 6h	21	17,02	3,867	-6,310	79,34		
	NAA 6h	21,16	17,28	4,027	-6,150	71,01	73,14	5,4563023
	NAA 6h	21,2	17,1	4,067	-6,110	69,07		

Ct hodnoty *LBD29*  
v testovaném  
vzorku (NAA 6h):  
3 technické repliky

Ct hodnoty *UBC10*  
v testovaném  
vzorku (NAA 6h):  
3 technické repliky

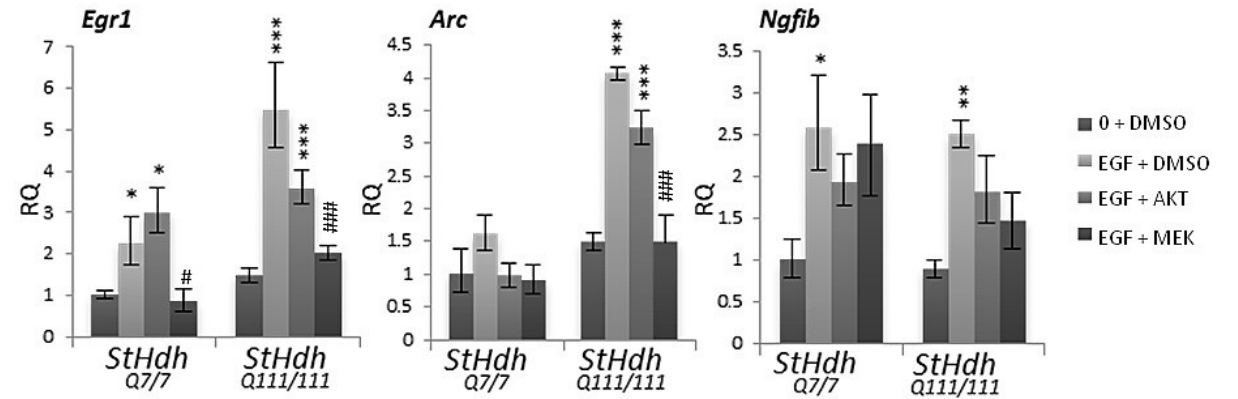
Expresse genu *LBD29* se po 6  
hodinách kultivace v přítomnosti NAA  
zvýšila přibližně 73x ve srovnání s  
kontrolou (DMSO 6h).

# Delta-delta Ct

RESEARCH ARTICLE

## Huntingtin Subcellular Localisation Is Regulated by Kinase Signalling Activity in the *StHdh*<sup>Q111</sup> Model of HD

Kathryn R. Bowles<sup>1\*</sup>, Simon P. Brooks<sup>2</sup>, Stephen B. Dunnett<sup>2</sup>, Lesley Jones<sup>1</sup>



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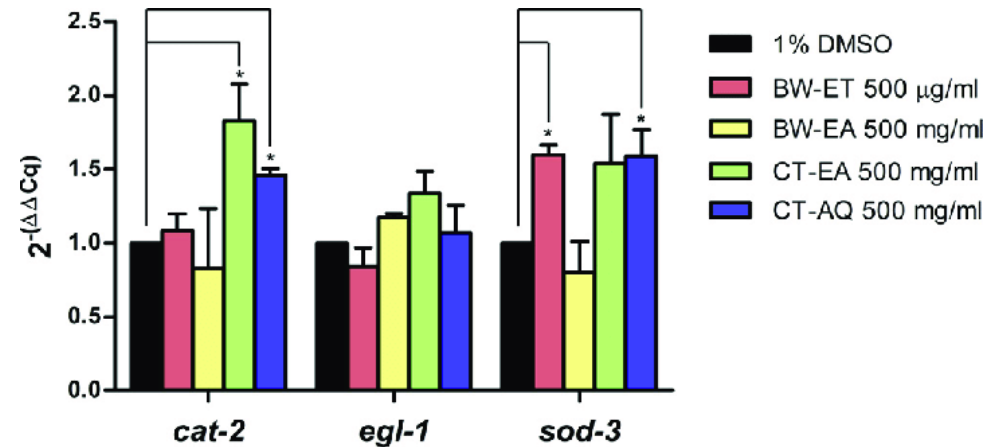
journal homepage: [www.elsevier.com/locate/biopha](http://www.elsevier.com/locate/biopha)



Original article

### Anti-Parkinson activity of bioactive substances extracted from *Holothuria leucospilota*

Nawaphat Malaiwong<sup>a</sup>, Pawanrat Chalorak<sup>a</sup>, Prapaporn Jattujan<sup>a,b</sup>, Preeyanuch Manohong<sup>c</sup>, Nakorn Niamnont<sup>c</sup>, Worawit Suphamungmee<sup>a</sup>, Prasert Sobhon<sup>a,d</sup>, Krai Meemon<sup>a,\*</sup>





# Delta-delta Ct

