

PCR Kit Quality Control Certificate

Gene
<i>qnrA</i>

Table 1: Concentration in ng/μL of the sample control and its dilutions.

	1	2	3	4	5	6	7	8	9
	1×10^{-1}	1×10^{-2}	1×10^{-3}	1×10^{-4}	1×10^{-5}	1×10^{-6}	1×10^{-7}	1×10^{-8}	1×10^{-9}
N° of copies	1×10^8	1×10^7	1×10^6	1×10^5	1×10^4	1×10^3	1×10^2	1×10^1	1×10^0

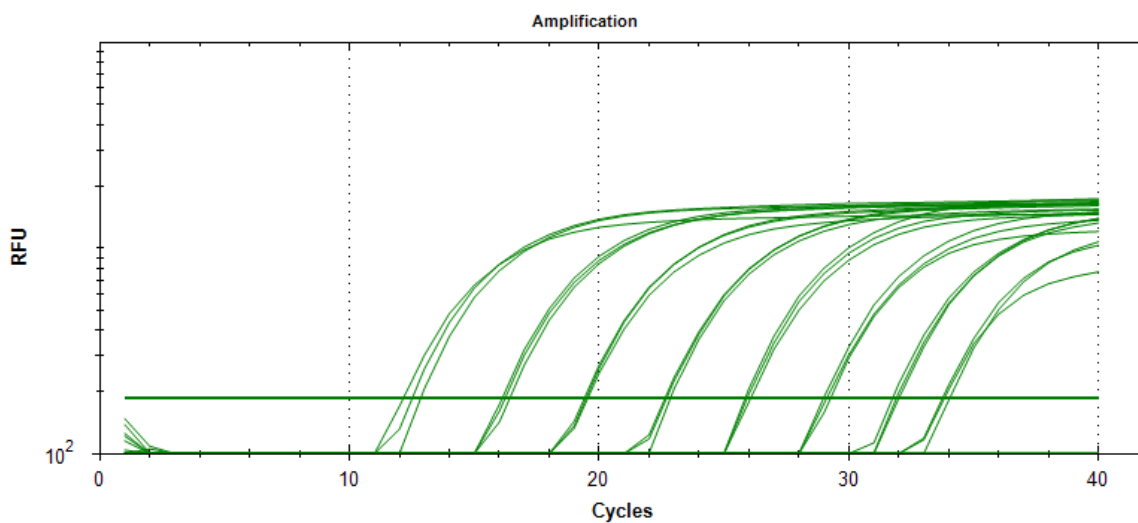


Figure 1: Logarithmic amplification curves for qnrA

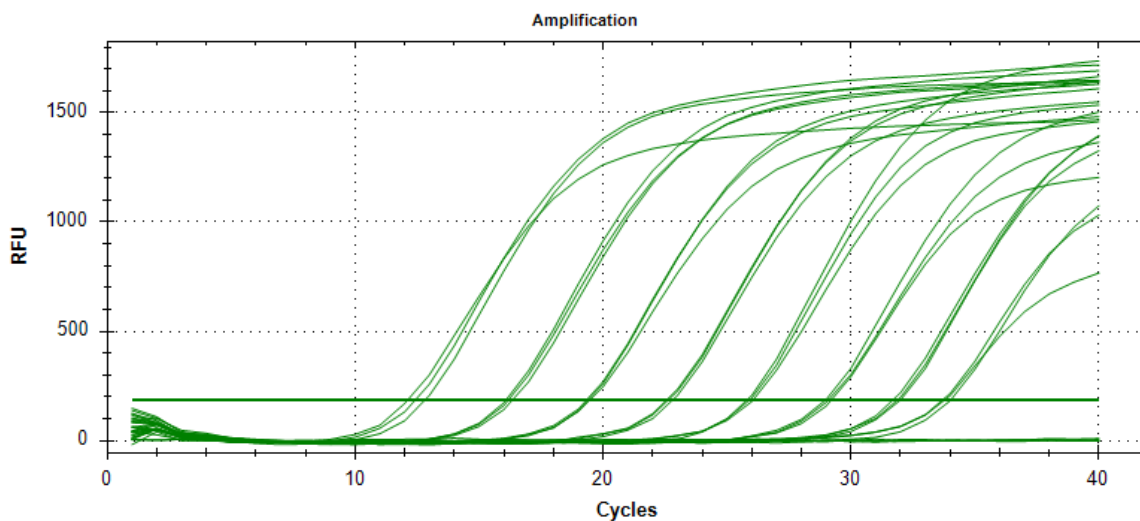


Figure 2: Standard amplification curves for qnrA

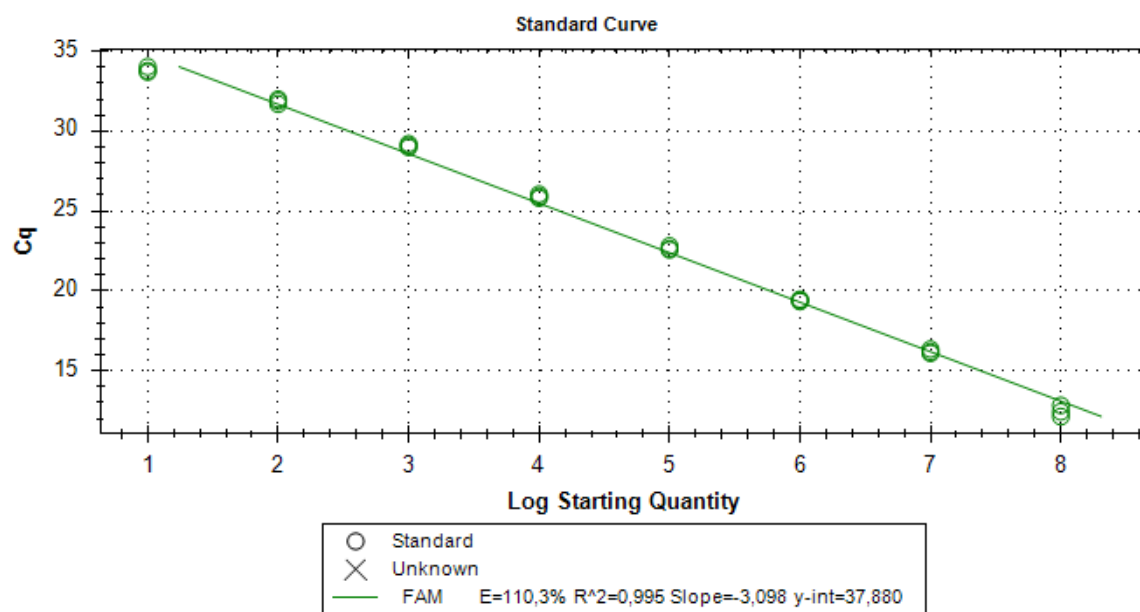


Figure 3: Standard curve for qnrA

Gene
<i>qnrB</i>

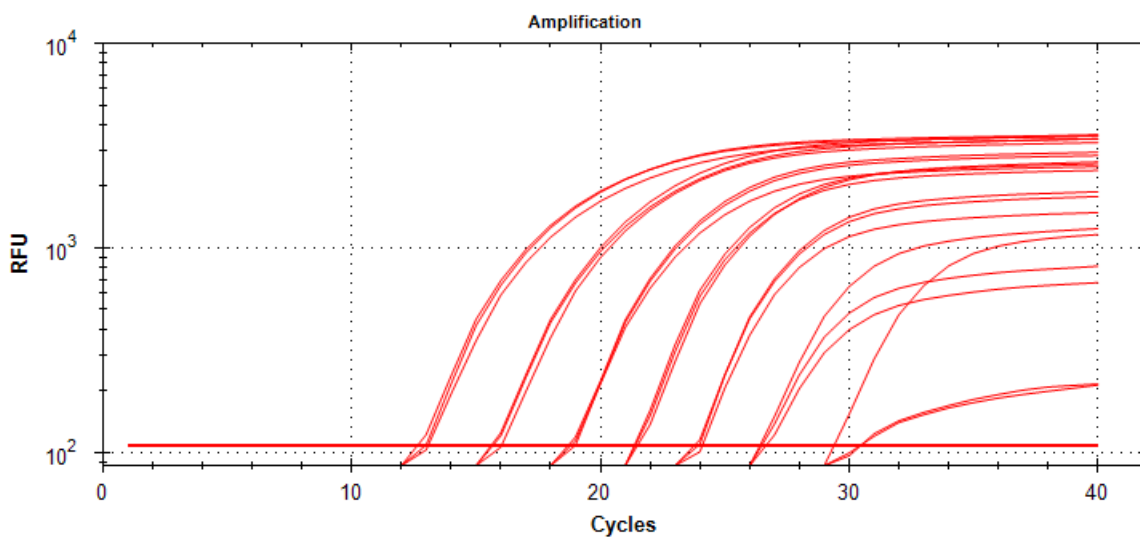


Figure 4: Logarithmic amplification curves for *qnrB*

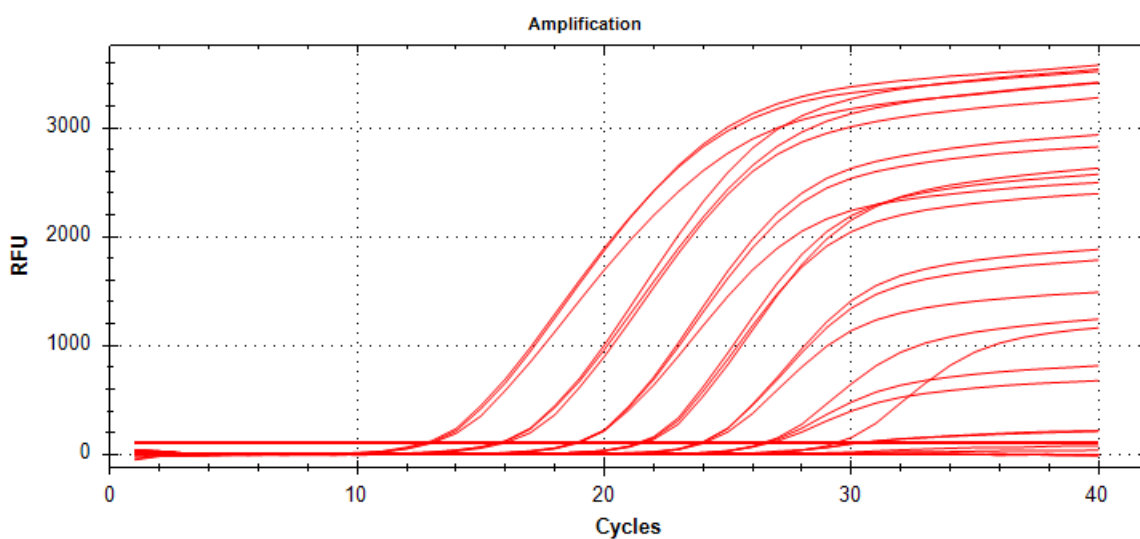


Figure 5: Standard amplification curves for *qnrB*

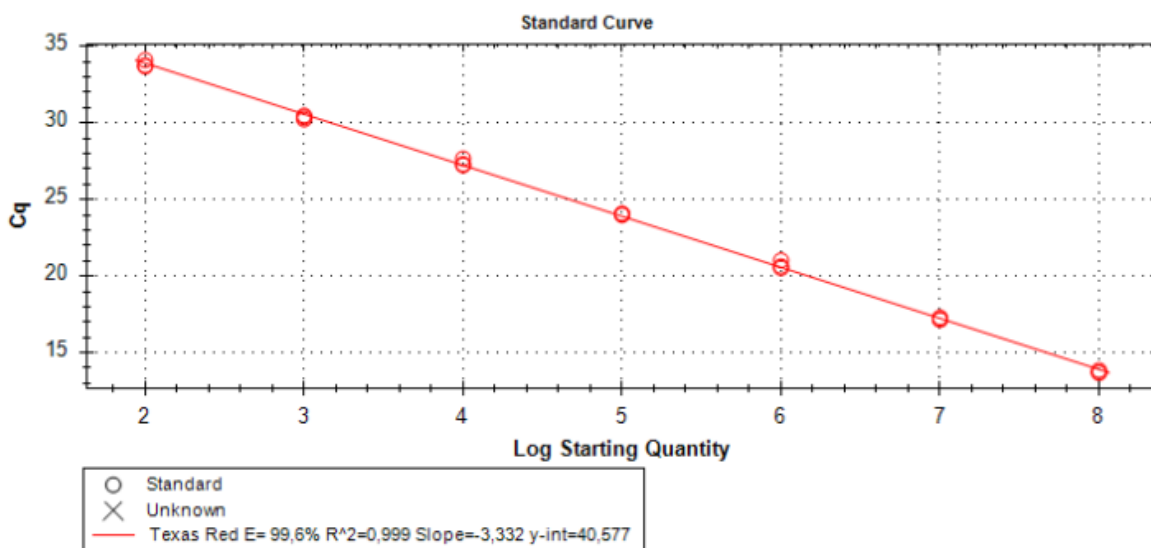


Figure 6: Standard curve for qnrB

Gene
qnrS

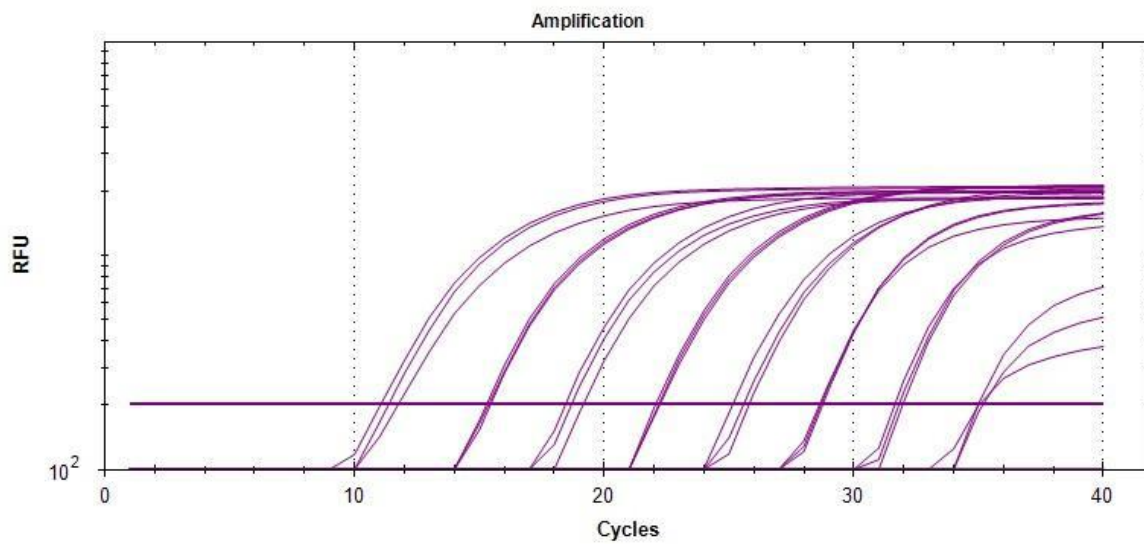


Figure 7: Logarithmic amplification curves for qnrS

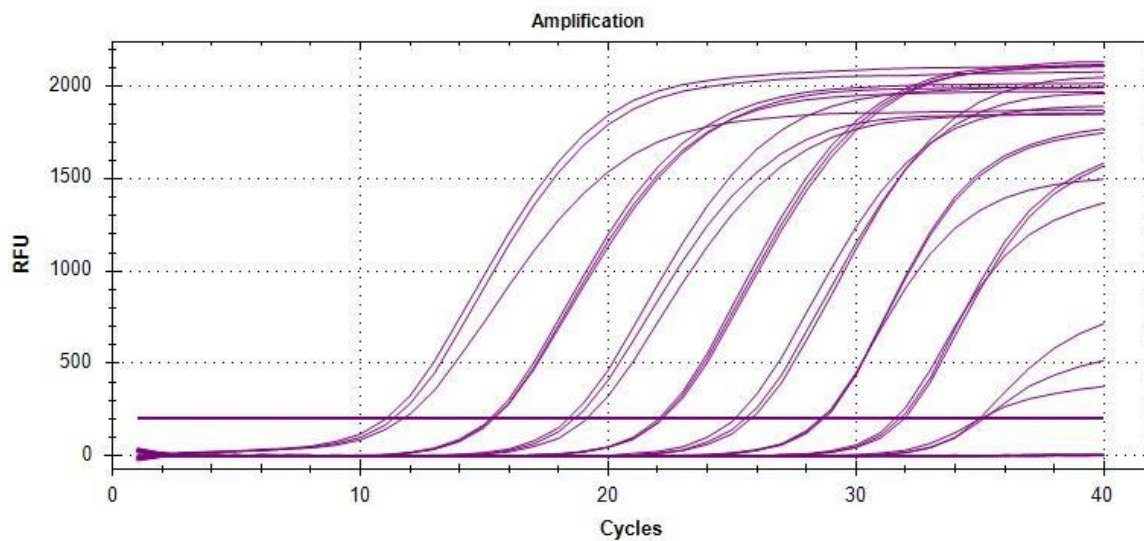


Figure 8: Standard amplification curves for qnrS

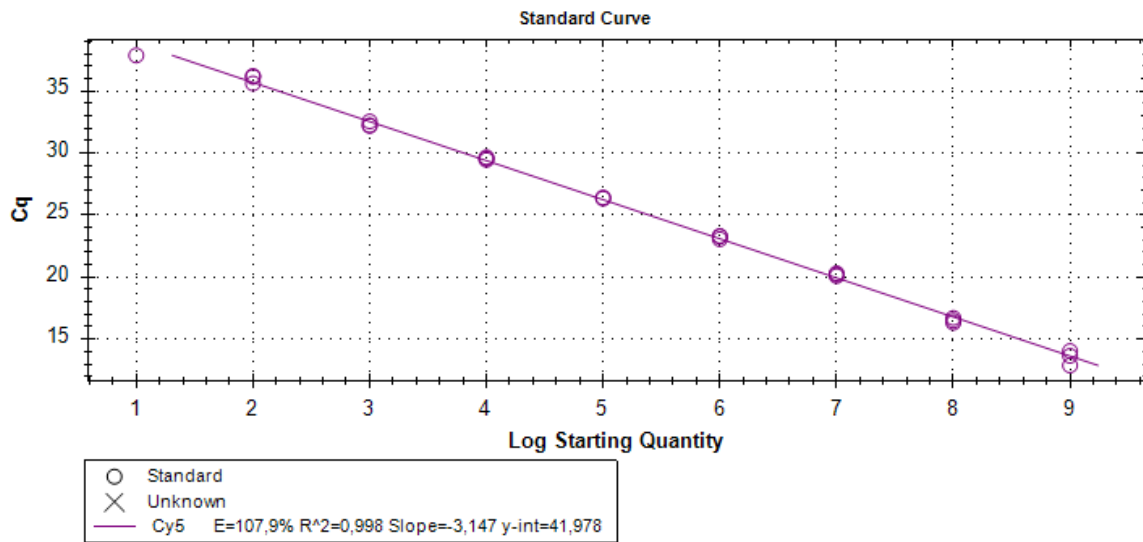


Figure 9: Standard curve for qnrS

Gene
<i>aac(6')-Ib-cr</i>

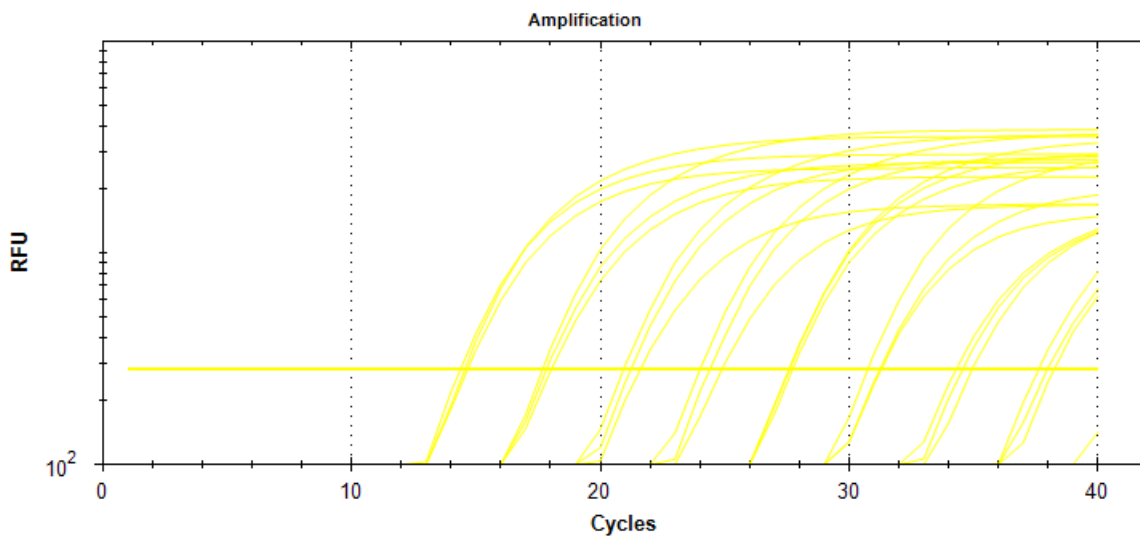


Figure 10: Logarithmic amplification curves for *aac(6')*-Ib-cr

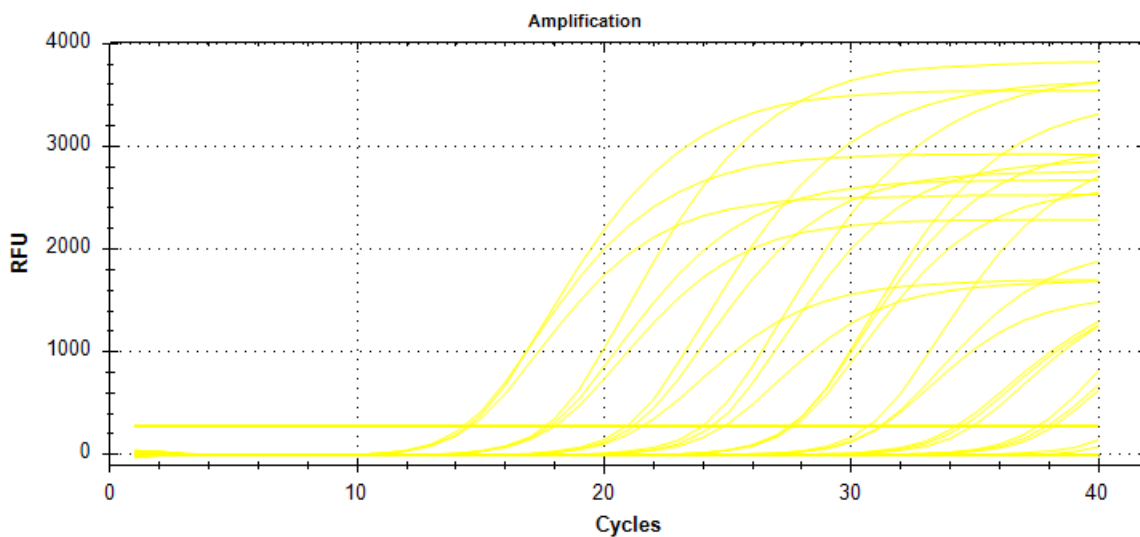


Figure 11: Standard amplification curves for *aac(6')*-Ib-cr

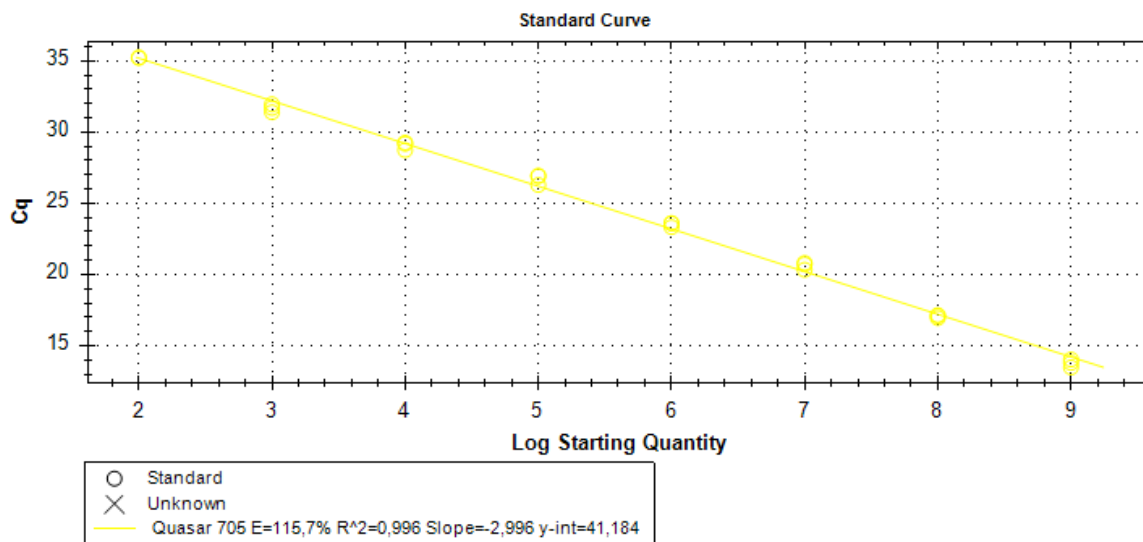


Figure 12: Standard curve for *aac(6')-Ib-cr*

Summary of Ct values

The following table details the Ct values obtained for each sample and fluorophore of each kit of the order.

Target Name	Sample Name	Reporter	Ct values
<i>qnrA</i>	1	FAM	12,84
	2	FAM	16,45
	3	FAM	20,47
	4	FAM	25,26
	5	FAM	27,32
	6	FAM	30,08
	7	FAM	32,16
	8	FAM	34,82
	Negative Control	FAM	Undetermined

qnrB	1	ROX	12,67
	2	ROX	14,95
	3	ROX	16,49
	4	ROX	22,03
	5	ROX	23,76
	6	ROX	28,94
	7	ROX	33,03
	8	ROX	-
	Negative Control	ROX	Undetermined

Target Name	Sample Name	Reporter	Ct values
qnrS	1	CY5	13,51
	2	CY5	15,42
	3	CY5	22,35
	4	CY5	24,35
	5	CY5	27,53
	6	CY5	31,86
	7	CY5	34,78
	8	CY5	36,88
	Negative Control	CY5	Undetermined

<i>aac(6')-Ib-cr</i>	1	CY5.5	12,60
	2	CY5.5	15,30
	3	CY5.5	17,43
	4	CY5.5	23,69
	5	CY5.5	26,81
	6	CY5.5	30,79
	7	CY5.5	33,14
	8	CY5.5	36,42
	Negative Control	CY5.5	Undetermined