Table S5 Establishment for standard curve

Concention of 5' frag (pg/ul)	-log(C,2)	$Cq_{standard}$
1000	-9.965784285	10.82
100	-6.64385619	15.26
10	-3.321928095	19.37
1	0	23.15
0.1	3.321928095	27.44

Standard curve of frag

$y = 0.8071x - 18.826$
$R^2 = 0.9994$

(y-axis: -log(conc); x-axis: Cq)
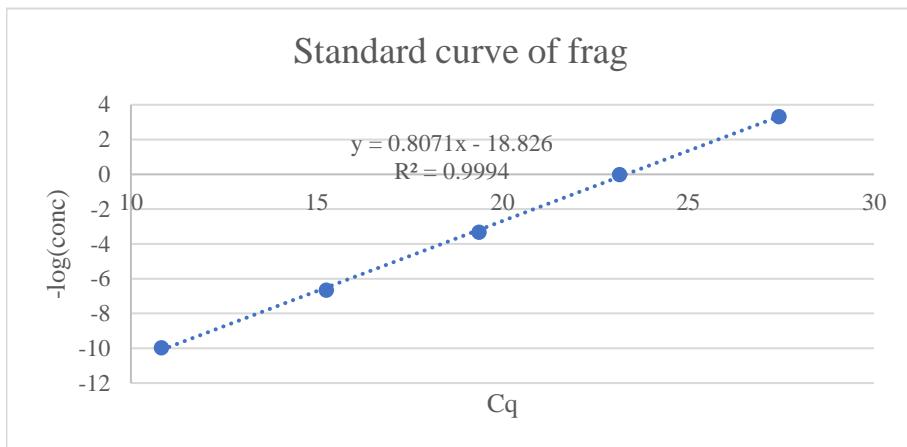
Calculation for the content of 5' frag packaged in biosome samples

$C_{sample}=2^{\wedge}(18.826-0.8071Cq_{sample})$

Notes

C refers to the concentration of 5' frag DNA standard; $Cq_{standard}$ refers to the Cq of 5' frag DNA standard samples;

C_{sample} referes to the content of 5' frag RNA packaged in biosome samples; Cqsample refers to the Cq of the 5' frag RNA packaged in biosome samples