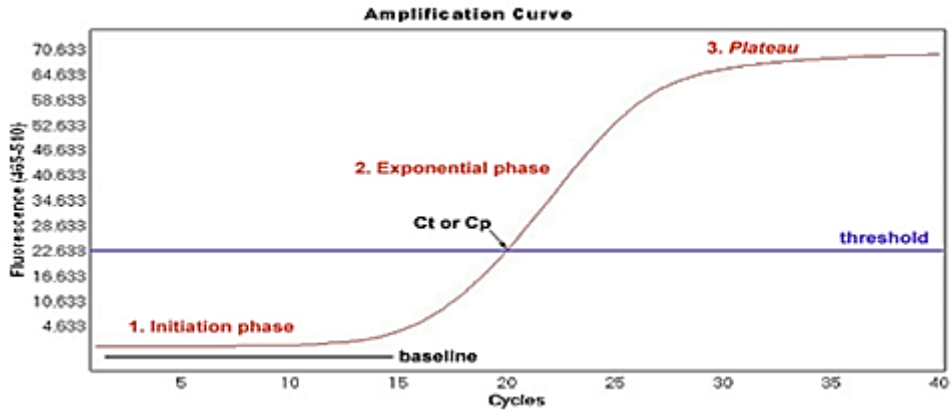
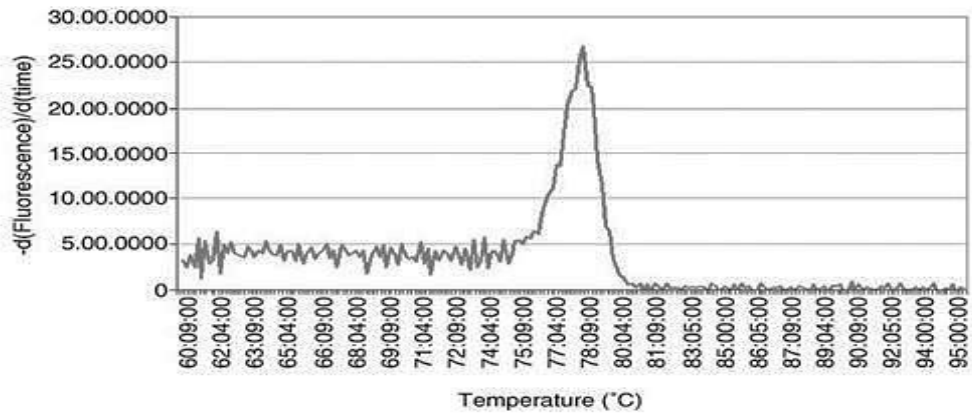


**Supplementary Figures and Tables**



**Plateau S1:** The relationship between cycles and fluorescence.



**Figure S2:** Melting temperature of each of the originated DNA fragments for designed experiment.

**Table (3):** The  $\Delta\Delta\text{CT}$  for tissues and blood for all groups in case of GLP-1 and GIP.

	T.GLP	T.GLP	B.GLP	B.GIP
Group i	1.00	1.00	1.00	4.8
Group u	0.20	0.94	0.62	7.09
Group iii	0.14	0.66	1.47	7.6
Group iv	0.18	0.90	1.24	1.23
Group v	0.15	2.31	2.14	2.00