S9 Table The reagents and thermal cycling conditions used for amplification of *EGFR* exon 19, 20, and 21 from cfDNA samples

Methods	PCR reactions			Thermal cycling conditions			
BDA-based PCR amplification	Reagents	Final concentration	Volume (μL)	Steps	Temperature (℃)	Times	Cycle (s)
	10× Standard *Taq* Reaction Buffer	1×	1	Pre-denaturation	95	10 min	1
	10 mM dNTPs	200 μM	0.2	Denaturation	95	10 sec	40
	10 μM Forward primer	0.1 μM	0.1	Annealing	58	2 min	
	10 μM Reverse primer	0.1 μM	0.1	Extension	72	30 sec	
	10 μM Blocker	5 μM	5	Final extension	72	10 min	1
	100 U *Taq* DNA polymerase	0.5 U	0.125				
	Distilled water	-	2.475				
	Template DNA	-	1				
	Total		10				
PCR barcoding	10× Standard *Taq* Reaction Buffer	1×	2	Pre-denaturation	95	10 min	1
	10 mM dNTPs	200 μM	0.4	Denaturation	95	30 sec	20
	10 μM Forward primer	0.2 μM	0.25	Annealing	55	1 min	
	10 μM Reverse primer	0.2 μM	0.25	Extension	68	1 min	
	100 U *Taq* DNA polymerase	0.5 U	0.1	Final extension	68	5 min	1
	Distilled water	-	16				
	Template DNA	-	1				
	Total		20				

BDA, blocker displacement amplification; cfDNA, cell-free DNA; EGFR, epidermal growth factor receptor; PCR, polymerase chain reaction.