

S10 Table. Cobas real-time PCR is designed to detect *EGFR* mutations in exon 19, 20 and 21 compared with the technique

Exon	<i>EGFR</i> mutation group	<i>EGFR</i> nucleic acid sequence	Cobas real-time PCR	BDA combined with ONT
Exon 18	G719X	2156G>C	Yes	No
		2155G>A	Yes	No
		2155G>T	Yes	No
Exon 19	Exon 19Del	2240_2251del12	Yes	Yes
		2239_2247del9	Yes	Yes
		2238_2255del18	Yes	Yes
		2235_2249del15	Yes	Yes
		2236_2250del15	Yes	Yes
		239_2253del15	Yes	Yes
		2239_2256del18	Yes	Yes
		2237_2254del18	Yes	Yes
		2240_2254del15	Yes	Yes
		2240_2257del18	Yes	Yes
		2239_2248TTAAGAGAAG>C	Yes	Yes
		2239_2251>C	Yes	Yes
		2237_2255>T	Yes	Yes
		2235_2255>AAT	Yes	Yes
		2237_2252>T	Yes	Yes
		2239_2258>CA	Yes	Yes
		2239_2256>CAA	Yes	Yes
		2237_2253>TTGCT	Yes	Yes
		2238_2252>GCA	Yes	Yes
		2238_2248>GC	Yes	Yes
		2237_2251del15	Yes	Yes
		2236_2253del18	Yes	Yes
		2235_2248>AATTC	Yes	Yes
		2235_2252>AAT	Yes	Yes
		2235_2251>AATTC	Yes	Yes
		2253_2276del24	Yes	Yes
2237_2257>TCT	Yes	Yes		
2238_2252del15	Yes	Yes		
2233_2247del15	Yes	Yes		
2243_2252_10del	No	Yes		
Exon 20	S7681	2303G>T	Yes	No
		2369C>T	Yes	Yes
	Exon20Ins	2307_2308ins9GCCAGCGTG	Yes	No
		2319_2320insCAC	Yes	No
		2310_2311insGGT	Yes	No
		2311_2312ins9GCGTGGACA	Yes	No
		2309_2310AC>CCAGCGTGGAT	Yes	No
Exon 21	L858R	2573T>G	Yes	Yes
		2573_2574TG>GT	Yes	Yes
	L861Q	2582T>A	Yes	Yes

BDA, blocker displacement amplification; EGFR, epidermal growth factor receptor; PCR, polymerase chain reaction.