

Table S1. *EGFR* mutations detected by PNA-LNA PCR clamp and MALDI-TOF MS

Exon	Mutation types (nucleic acid sequence)
<b>PNA-LNA PCR clamp</b>	
18	G719A (2156G>C), G719C (2155G>T), G719S (2155G>A)
19	Del E746_A750 (2235_2249del15, 2236_2250del15), Del L747_T751 (2239_2253del15), Del L747_P753>S (2240_2257del18, 2239_2259>AGC)
20	T790M (2369C>T)
21	L858R (2573T>G), L861Q (2582T>A)
<b>MALDI-TOF MS</b>	
18	E709A (2126A>C), E709G (2126A>G), E709V (2126A>T), G719A (2156G>C), G719C (2155G>T), G719N (2156G>A), G719S (2155G>A)
19	Del E746_A750 (2235_2249del15, 2236_2250del15), Del E746_T751 (2236_2253del18), Del E746_T751>A (2237_2251del15), Del E746-T751>I (2235_2252>AAT), Del E746_S752>A (2237_2254del18), Del E746_S752>D (2238_2255del18), Del E746_S752>V (2237_2255>T), Del L747_E749 (2239_2247del9), Del L747_A750>P (2238_2248>GC, 2239_2248TTAAGAGAAG>C), Del L747_T751 (2239_2253del15, 2240_2254del15), Del L747_T751>P (2239_2251>C), Del L747_T751>Q (2238_2252>GCA), Del L747_T751>S (2240_2251del12), Del L747_S752 (2239_2256del18), Del L747_P753>Q (2239_2258>CA), Del L747_P753>S (2240_2257del18)
20	S768I (2303G>T), T790M (2369C>T)
21	L858Q (2573T>A), L858R (2573T>G), L861Q (2582T>A)

EGFR, epidermal growth factor receptor; PNA-LNA PCR, protein nucleic acid-locked nucleic acid polymerase chain reaction; MALDI-TOF MS, matrix-assisted laser desorption ionization-time of flight mass spectrometry.