

Supplementary Material

S1 Table. Pre- and post-osimertinib CancerSCAN results for case 1

Gene	Change	Resistance to gefitinib	Resistance to osimertinib
<i>EGFR</i>	745_750del	43.10% ^{a)}	87.60%
<i>EGFR</i>	C797G	None	72.70%
<i>EGFR</i>	T790M	0.4% (6 reads) ^{b)}	73.40%
<i>EPHB6</i>	Q1010H	71.60%	77.60%
<i>ATRX</i>	S1978F	9.50%	8.40%
<i>CARD11</i>	G757V	21.10%	16.80%
<i>FANCM</i>	F461L	None	9.60%
<i>MDM2</i>	E130K	1.10%	1.40%
<i>MSH6</i>	L1018F	5.90%	None
<i>TET2</i>	1508_1509del	None	3.80%
<i>USP9X</i>	R1658P	5.20%	7.90%
<i>CCND3</i>	Amp.	35.3 copy ^{c)}	38.4 copy
<i>CDK4</i>	Amp.	7.3 copy	7.7 copy
<i>MYC</i>	Amp.	7.6 copy	8.0 copy
<i>PRPF40B</i>	Amp.	4.9 copy	5.9 copy
<i>GRIN2A</i>	Amp.	None	5.1 copy
<i>KAT6A</i>	Amp.	6.1 copy	6.8 copy
<i>MDM2</i>	Amp.	15.9 copy	13.4 copy
<i>CEBPA</i>	Amp.	None	10.0 copy
<i>EGFR</i>	Amp.	None	10.9 copy

^{a)}Variant allele fraction (%), ^{b)}*EGFR* T790M was spontaneously detected on real-time polymerase chain reaction, ^{c)}Copy number.