

**S7 Table.** The sequencing information and %VAFs enrichment from mutant mixed in wild-type *EGFR*

No.	Sample	Total reads	Coverage depth	Variant reads	% VAF
1	5% MT exon 19 PCR/-BDA	7,538	7,633	239	3.13
2	5% MT exon 19 PCR/+BDA	11,563	11,481	1,278	11.13
3	2.5% MT exon 19 PCR/-BDA	6,330	6,020	101	1.68
4	2.5% MT exon 19 PCR/+BDA	12,555	12,187	1,028	8.44
5	1% MT exon 19 PCR/-BDA	10,938	10,627	87	0.82
6	1% MT exon 19 PCR/+BDA	8,768	8,514	441	5.18
7	0.5% MT exon 19 PCR/-BDA	185,741	43,087	124	0.29
8	0.5% MT exon 19 PCR/+BDA	387,836	74,825	2,672	3.57
9	0.1% MT exon 19 PCR/-BDA	529,042	151,825	325	0.21
10	0.1% MT exon 19 PCR/+BDA	373,668	81,848	600	0.73
11	0% MT exon 19 PCR/-BDA	145,452	65,447	72	0.11
12	0% MT exon 19 PCR/+BDA	15,674	76,679	238	0.31
13	5% MT exon 20 PCR/-BDA	6,937	6,208	124	2.00
14	5% MT exon 20 PCR/+BDA	7,162	5,953	419	7.04
15	2.5% MT exon 20 PCR/-BDA	8,323	7,347	88	1.20
16	2.5% MT exon 20 PCR/+BDA	8,565	7,093	286	4.03
17	1% MT exon 20 PCR/-BDA	21,106	19,479	64	0.33
18	1% MT exon 20 PCR/+BDA	10,111	9,302	216	2.32
19	0.5% MT exon 20 PCR/-BDA	240,338	173,209	531	0.31
20	0.5% MT exon 20 PCR/+BDA	478,676	338,564	4,925	1.45
21	0.1% MT exon 20 PCR/-BDA	410,557	354,832	465	0.02
22	0.1% MT exon 20 PCR/+BDA	465,686	321,078	289	0.09
23	0% MT exon 20 PCR/-BDA	443,667	345,666	173	0.05
24	0% MT exon 20 PCR/+BDA	488,972	324,987	422	0.13
25	5% MT exon 20 PCR/-BDA	6,738	6,696	174	2.60
26	5% MT exon 21 PCR/+BDA	13,082	13,031	580	4.45
27	2.5% MT exon 21 PCR/-BDA	19,191	19,123	276	1.44
28	2.5% MT exon 21 PCR/+BDA	8,783	8,739	200	2.29
29	1% MT exon 21 PCR/-BDA	10,710	10,662	64	0.60
30	1% MT exon 21 PCR/+BDA	8,106	8,059	106	1.32
31	0.5% MT exon 21 PCR/-BDA	208,512	207,419	644	0.31
32	0.5% MT exon 21 PCR/+BDA	723,832	719,294	5,996	0.83
33	0.1% MT exon 21 PCR/-BDA	283,941	282,513	290	0.10
34	0.1% MT exon 21 PCR/+BDA	344,682	312,750	188	0.06
35	0% MT exon 21 PCR/-BDA	233,677	156,744	282	0.18
36	0% MT exon 21 PCR/+BDA	258,976	122,389	269	0.22

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