

Supplementary Figure 2 (Ikeda Y et al)

Cancer type	Recurrently mutated genes*	Frequency in COSMIC database (%)	Number of rare variants		Samples													
			Cases	Controls	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Thyroid Cancer	<i>BRAF</i>	51%	0	0														
	<i>RET</i>	26%	0	11														
	<i>TERT</i>	13%	0	0														
Breast Cancer	<i>PIK3CA</i>	26%	0	0														
	<i>TP53</i>	23%	0	4														
	<i>CDH1</i>	11%	1	5														

Mutation
 * COSMIC database (more than 10%)