

**Table S3: Molecular pattern regarding tumor TTF1 status among included patients (unknown TTF1 status were excluded).**

Biomarker		EGFR			KRAS			ALK			BRAF			PI3K			HER2		
Molecular status		WT	Mt	P value	WT	Mt	P value	WT	Mt	P value	WT	Mt	P Value	WT	Mt	P value	WT	Mt	P Value
TTF1 status	Negative	n	39	7	<0.0001	35	8	25	3	0.007*	33	1	1.0*	24	1	0.316*	27	1	1.0*
		%	84.8%	15.2%		81.4%	18.6%	89.3%	10.7%		97.1%	2.9%		96.0%	4.0%		96.4%	3.6%	
	Positive	n	117	112		183	10	114	17		135	8		119	1		121	7	
		%	51.1%	48.9%		94.8%	5.2%	87.0%	13.0%		94.4%	5.6%		99.2%	0.8%		94.5%	5.5%	
Total	n	156	119	218	18	139	20	168	9	143	2	148	8						
	%	56.7%	43.3%	92.4%	7.6%	87.4%	12.6%	94.9%	5.1%	98.6%	1.4%	94.9%	5.1%						

WT : Wild-Type ; Mt : Mutation ; RA : Re-arrangement

\*Fischer exact test (other are Chi-squared).