

Supplementary Table 2 – IHC summary. P-values ≤0.01 in bold (Fisher’s exact test).

		BDL	1	2	3	EOM		BDL	MOC	EOM	
CK7	Focal	0	5	2	1	5	0.004	0	8	5	0.001
274	Negative	2	2	2	0	4		2	5	4	
	Positive	77	70	58	22	24		77	153	25	
CK20	Focal	43	15	19	10	5	0.002	43	45	6	0.001
221	Negative	19	13	18	6	7		19	36	7	
	Positive	16	16	11	3	20		16	31	20	
CDX2	Focal	27	10	7	8	2	0.079	27	27	2	0.152
175	Negative	25	14	18	5	8		25	35	9	
	Positive	23	4	13	3	8		23	20	8	
PAX8	Focal	18	12	8	3	1	0.172	18	24	1	0.196
211	Negative	54	37	26	9	16		54	75	16	
	Positive	6	6	7	6	2		6	18	3	
HER2	2+	0	1	1	0	1	0.001	0	2	1	<0.001
168	Negative	79	16	23	11	17		79	50	18	
	Positive	3	7	4	4	1		3	16	1	
	Mutant										
p53	cytoplasmic	0	0	1	0	0	0.002	0	1	0	0.001
165	Mutant loss	7	8	5	1	1		7	16	1	
	Mutant overexpression	10	22	22	12	3		10	58	3	
	WT	25	18	10	4	16		25	35	17	
p16	Focal	19	5	7	3	3	0.043	19	16	3	0.09
215	Negative	37	44	22	11	11		37	80	12	
	Diffuse block	23	7	13	4	6		23	25	6	
ER	Negative	79	58	44	16	21	0.003	79	124	21	0.012
236	Positive	1	3	8	4	2		1	14	3	