



D	Total # patients (%)	# HER2A (%)	# non-HER2A (%)	Fisher's exact test, p-value	Activating HER2 mutations (# tumors)
Breast	21 (3.1)	4 (4.4)	17 (2.9)	0.51	G309A (1), S310F (1), L755S (3), D769H (1), D769Y (2), V777L (1), V842I (1)
Gastric	9 (3.8)	0 (0)	9 (4.1)	1.00	S310F (2), V842I (1)
Bladder	13 (8.6)	2 (28.6)	11 (7.6)	0.11	S310F (4), L755S (1), T862A (1)
Lung Adenocarc.	2 (0.5)	0 (0)	2 (0.5)	1.00	S310F (1)
Lung Sq. cell carc.	4 (1.2)	0 (0)	4 (1.3)	1.00	
Ovary	1 (0.4)	0 (0)	1 (0.4)	1.00	V842I (1)
Colon	7 (4.1)	1 (20)	6 (3.6)	0.19	S310F (1), V777L (1)
Head & Neck	2 (0.6)	0 (0)	2 (0.6)	1.00	
Cervix	3 (3.5)	0 (0)	3 (3.6)	1.00	S310F (2)
Uterine	0 (0)	0 (0)	0 (0)	--	
Endometrium	27 (7.9)	0 (0)	27 (8.2)	1.00	L755S (3), V842I (4)