

**S6 Table.** Relationship between AGR3 and metastatic organs in IDC of grade III

Metastatic organs	No.	AGR3 expression, n (%)		$r_s$	p-value
		Low	High		
Bone metastasis				0.105	0.919
No	49	28 (57.1)	21 (42.9)		
Yes	10	5 (50.0)	5 (50.0)		
Lung metastasis				0.092	0.853
No	53	42 (79.2)	11 (20.8)		
Yes	6	4 (66.7)	2 (33.3)		
Liver metastasis				0.126	0.918
No	57	30 (52.6)	27 (47.4)		
Yes	2	1 (50.0)	1 (50.0)		
Brain metastasis				0.063	1.000
No	56	44 (78.6)	12 (21.4)		
Yes	3	2 (66.7)	1 (33.3)		

p-value was calculated by Spearman's rank correlation test. AGR3, anterior gradient 3; IDC, invasive ductal carcinoma.