

**S5 Table.** Relationship between AGR3 and molecular subtypes in IDC of grade III

Molecular subtypes	No.	AGR3 expression, n (%)		$r_s$	p-value
		Low	High		
Luminal A	7	5 (71.4)	2 (28.6)	-0.241	0.136
Luminal B	26	18 (69.2)	8 (30.8)		
HER2-overexpressing	7	5 (71.4)	2 (28.6)		
TNBC	19	18 (94.7)	1 (5.3)		

p-value was calculated by Spearman's rank correlation test. HER2, human epidermal growth factor receptor 2; TNBC, triple-negative breast cancer.