## Supplementary Table S4. Nuclear grade of ductal carcinoma in situ

Feature	Grade I	Grade II	Grade III
Pleomorphism	Monotonous	Intermediate	Markedly pleomorphic
Nuclear size	1.5–2× of RBC or ductal	Intermediate	>2.5× of RBC or ductal
	epithelial cell nucleus		epithelial cell nucleus
Chromatin	Finely dispersed	Intermediate	Coarse or vesicular
Nucleoli	Inconspicuous or absent	Intermediate	Prominent, often multiple
Mitoses	Rare	Intermediate	Frequent
Orientation	Polarized toward luminal	Intermediate	Usually not polarized
	spaces		toward luminal spaces

RBC, red blood cell.