

**TABLE 1. Summary of results for all specimens tested for CDK4 expression.**

Summary of results for all specimens tested for CDK4 expression, including number and percentage of CDK4 positive specimens. A specimen was considered CDK4 positive when it presented clear nuclear staining by immunohistochemistry (observed by CDK4 and Hoechst colocalization). Some specimens were discarded due to the fact that the microarray core was missing or it was negative for nuclear staining with Hoechst, which was the case for one core from non-pathogenic SEER array cores and five cores from adenocarcinoma SEER array cores.

Non-pathogenic samples	SEER array	UTIP healthy series	PAC 481 array	Global
CDK4 positive	7/15 (47 %)	4/7 (57 %)	3/3 (100 %)	14/25 (56 %)
Discarded	1/15 (7 %)	0/7 (0 %)	0/3 (0 %)	1/25 (4 %)
Total	15	7	3	25
Adenocarcinoma samples	SEER array	Clinic adenocarcinoma series	PAC481 array	Global
CDK4 positive	74/96 (77 %)	4/14 (29 %)	6/20 (30 %)	84/130 (65 %)
Discarded	5/96 (4 %)	0/14 (0 %)	0/20 (0 %)	5/130 (4 %)
Total	96	14	20	130
Neuroendocrine tumour samples	SEER array			
CDK4 positive	4/5 (80 %)			
Discarded	0/5 (0 %)			
Total	5			