

Plasma PIK3CA ctDNA detection in advanced breast cancer by NGS

Table S1. The analysis of clinical factors including age, tumor stage, tumor size, nodal status, ER, HER2, ki67 and *PIK3CA* p.H1047R mutants

	Diagnosed age	Age group by 50	Age group by 45	ER status	ki67 status	Tumor grade	Node positive and negative	p.H1047R
Diagnosed age	1.000							
Group of age by 50	.845**	1.000						
	.000							
Age group by 45	.857**	.687**	1.000					
	.000	.000						
ER status	-.217	-.280*	-.167	1.000				
		.040						
ki67 status	-.210	-.240	-.372**	.123	1.000			
			.006					
Grade 3 class	-.103	-.106	-.164	-.283*	-.129	1.000		
				.038				
Grade after surgery	.049	.097	-.074	-.196	.394**	.258		
					.003			
Node positive and negative	.195	.240	.302*	-.139	-.301*	.109	1.000	
			.026		.027			
mt314054	.148	.351**	.157	-.103	.022	-.237	.006	1.000
		.009						

**significant at 0.01 significance level (double-tail). *significant at 0.05 significance level (double-tail).