

Table S2 Correlations of breeding values, dominance deviations and total genetic values under different genomic relationship definitions for Traits 3 and 5 of the swine sample

Trait		Definition	II	III	IV	V	VI	
3	Additive	I	1.000	0.999	0.997	0.998	0.997	
		II		0.999	0.997	0.998	0.997	
		III			0.995	0.996	0.998	
		IV				0.9995	0.997	
		V					0.998	
	Dominance	I	1.000	0.993	0.953	0.972	0.972	
		II		0.993	0.953	0.972	0.972	
		III			0.926	0.953	0.974	
		IV				0.993	0.963	
		V					0.982	
	Genotypic	I	1.000	0.994	0.991	0.995	0.993	
		II		0.994	0.991	0.995	0.993	
		III			0.974	0.981	0.998	
		IV				0.999	0.979	
		V					0.986	
	5	Additive	I	1.000	0.999	0.998	0.998	0.998
			II		0.999	0.998	0.998	0.998
			III			0.998	0.998	0.998
			IV				0.99992	0.999
			V					0.999
Dominance		I	1.000	0.997	0.965	0.979	0.977	
		II		0.997	0.965	0.979	0.977	
		III			0.957	0.974	0.981	
		IV				0.995	0.980	
		V					0.990	
Total		I	1.000	0.999	0.998	0.999	0.998	
		II		0.999	0.998	0.999	0.998	
		III			0.996	0.997	0.999	
		IV				0.9998	0.998	
		V					0.999	