

Table 2 Phenotypic ( $r_p$ ) and Genotypic ( $r_g$ ) correlation coefficients among grain yield per plant and its components in rice

S. No.	Characters	Days to 50% flowering	Days to maturity	Plant height	Number of effective tillers/ plant	Panicle length	Number of grains / panicle	Kernel length	Kernel breadth	Kernel length/breadth ratio	Kernel length after	Kernel Elongation ratio	1000 grain weight	Harvest index	Grain yield/ plant
1.	Days to $r_p$	1.0000	0.8231**	-0.0280	0.1351	-0.0395	0.4558**	0.0988	-0.4052*	0.4114*	0.2942	0.2397	-0.1141	0.0727	0.2328
	50% $r_g$	1.0000	0.8385**	-0.0308	0.1550	-0.0387	0.4625**	0.1002	-0.4308*	0.4258*	0.2983	0.2489	-0.1260	0.0857	0.2690
2.	Days to $r_p$		1.0000	-0.2241	0.1589	0.0403	0.5808**	0.0369	-0.3971*	0.3585*	0.2226	0.2067	-0.0805	0.1945	0.3500*
	maturity $r_g$		1.0000	-0.2273	0.1796	0.0487	0.5911**	0.0387	-0.4222*	0.3732*	0.2227	0.2106	-0.0807	0.2217	0.4041*
3.	Plant height $r_p$			1.0000	-0.1867	0.5226**	-0.1033	-0.0197	0.4376*	-0.3544*	-0.0980	-0.0931	0.1528	-0.2764	-0.0580
	$r_g$			1.0000	-0.2413	0.5394**	-0.1084	-0.0210	0.4731**	-0.3728*	-0.0983	-0.0945	0.1461	-0.3281	-0.0669
4.	Number of $r_p$				1.0000	-0.0975	-0.0711	0.3106	-0.0464	0.2566	0.1071	-0.1163	0.1212	0.3710*	0.0765
	effective $r_g$				1.0000	-0.1576	-0.0761	0.3820*	-0.0469	0.3126	0.1450	-0.1255	0.1958	0.4672**	0.0344
5.	Panicle $r_p$					1.0000	-0.1057	-0.1092	0.1922	-0.2375	-0.2192	-0.1824	-0.0657	-0.3072	-0.0956
	length $r_g$					1.0000	-0.1155	-0.1252	0.2252	-0.2682	-0.2234	-0.1820	-0.0834	-0.3899*	-0.1353
6.	Number of $r_p$						1.0000	0.1665	-0.0822	0.2097	0.1093	-0.0145	0.2930	0.3249	0.3261
	grains / $r_g$						1.0000	0.1750	-0.0876	0.2195	0.1096	-0.0186	0.3035	0.3946*	0.3811*
7.	Kernel $r_p$							1.0000	0.0804	0.6263**	0.4756**	-0.2190	0.2868	0.2634	0.0890
	length $r_g$							1.0000	0.0749	0.6384**	0.4900**	-0.1863	0.3162	0.3128	0.1063
8.	Kernel $r_p$								1.0000	-0.7219**	-0.0243	-0.0921	0.4451*	0.0714	-0.0871
	breadth $r_g$								1.0000	-0.7171**	-0.0257	-0.0863	0.4909**	0.1035	-0.1129
9.	Kernel $r_p$									1.0000	0.3505*	-0.0744	-0.1341	0.1283	0.1408
	length/ $r_g$									1.0000	0.3651*	-0.0577	-0.1358	0.1500	0.1776
10.	Kernel $r_p$										1.0000	0.7522**	0.1085	0.0643	0.1142
	length after $r_g$										1.0000	0.7638**	0.1160	0.0810	0.1324
11.	Kernel $r_p$											1.0000	-0.0835	-0.1254	0.0728
	Elongation $r_g$											1.0000	-0.0933	-0.1420	0.0839
12.	1000 grain $r_p$												1.0000	0.3267	0.2095
	weight $r_g$												1.0000	0.3894*	0.2546
13.	Harvest $r_p$													1.0000	0.4982**
	index $r_g$													1.0000	0.4884**
14.	Grain yield/ $r_p$														1.0000
	plant $r_g$														1.0000

Note: \*, \*\* Significant at 5% and 1% level, respectively