

Table 4 Genotypic path coefficient analysis of grain yield per plant versus yield components in 42 aromatic rice genotypes

Characters	X ₁	X ₂	X ₃	X ₄	X ₅	X ₆	X ₇	X ₈	X ₉	X ₁₀	X ₁₁	X ₁₂	A
X ₁	-0.215	-0.002	0.120	0.034	-0.004	0.001	0.001	0.001	-0.001	-0.002	0.000	0.003	-0.368**
X ₂	0.029	-0.269	0.277	0.273	-0.591	-0.096	0.030	-0.036	0.062	0.094	-0.158	-0.029	-0.415**
X ₃	-0.041	0.116	0.403	0.385	0.072	0.115	-0.311	-0.322	-0.268	0.117	0.094	-0.005	0.355**
X ₄	-0.005	-0.084	0.292	0.306	-0.143	-0.071	0.075	0.066	0.036	-0.012	-0.057	-0.013	0.389**
X ₅	-0.022	0.020	0.016	0.027	0.088	0.012	0.003	0.006	0.003	-0.010	0.025	-0.010	0.156
X ₆	-0.002	-0.010	-0.008	-0.007	-0.004	0.557	0.003	-0.101	0.026	0.204	0.002	0.224	0.885**
X ₇	0.036	0.101	0.218	0.194	0.442	0.225	-0.324	-0.555	-0.668	-0.170	0.119	0.248	-0.135
X ₈	0.020	0.042	-0.261	-0.166	0.020	-0.065	0.205	0.311	0.040	0.027	0.093	0.150	0.415*
X ₉	-0.115	-0.148	-0.109	-0.076	0.020	-0.058	0.524	0.085	0.305	0.132	-0.143	-0.225	0.191
X ₁₀	-0.021	-0.063	0.008	0.007	-0.032	0.010	0.037	0.016	0.036	0.477	0.012	-0.075	0.411**
X ₁₁	0.116	0.117	-0.029	-0.024	-0.036	-0.009	-0.003	-0.122	0.058	-0.007	0.125	-0.055	-0.108
X ₁₂	0.042	0.021	-0.115	0.008	-0.023	-0.034	0.035	0.032	0.015	-0.152	0.086	0.195	0.111

Note: * and ** indicates significant at 5 per cent and 1 per cent level respectively; Residual effect = 0.8957; A: Correlation with Grain yield per plant (g)