

Table 5 Phenotypic path coefficient analysis of grain yield per plant versus yield components in 42 aromatic rice genotypes

Characters	X <sub>1</sub>	X <sub>2</sub>	X <sub>3</sub>	X <sub>4</sub>	X <sub>5</sub>	X <sub>6</sub>	X <sub>7</sub>	X <sub>8</sub>	X <sub>9</sub>	X <sub>10</sub>	X <sub>11</sub>	X <sub>12</sub>	A
X <sub>1</sub>	-0.345	-0.122	0.001	0.004	-0.114	0.001	0.111	0.151	-0.002	-0.003	0.002	0.004	-0.312**
X <sub>2</sub>	0.131	-0.281	-0.083	-0.083	-0.063	0.104	0.031	-0.038	0.064	0.108	-0.164	-0.032	-0.306**
X <sub>3</sub>	-0.203	-0.218	0.735	0.547	-0.141	-0.258	0.197	0.147	0.176	-0.213	-0.198	0.007	0.578**
X <sub>4</sub>	0.017	0.244	0.427	0.821	0.141	0.248	0.404	-0.282	-0.308	0.418	0.217	-0.349	0.354**
X <sub>5</sub>	-0.036	0.032	0.027	0.021	0.142	0.018	0.004	0.009	0.004	-0.015	0.043	-0.021	0.228*
X <sub>6</sub>	0.017	0.008	0.008	0.007	0.003	0.234	-0.002	-0.001	-0.002	-0.031	0.001	0.204	0.445**
X <sub>7</sub>	-0.038	0.298	0.233	0.216	0.101	0.306	-0.368	-0.391	-0.109	-0.194	-0.016	-0.163	-0.125
X <sub>8</sub>	0.021	-0.447	-0.168	-0.176	0.022	-0.212	0.232	0.341	0.052	-0.033	0.149	0.056	-0.163
X <sub>9</sub>	-0.122	-0.141	-0.155	-0.281	0.021	-0.361	0.501	0.093	0.612	0.135	-0.197	0.053	0.131
X <sub>10</sub>	-0.031	-0.089	0.064	-0.005	-0.025	-0.011	0.151	0.022	0.051	0.429	0.009	0.001	0.566**
X <sub>11</sub>	0.001	-0.033	-0.038	-0.038	-0.044	-0.015	-0.027	-0.046	0.034	-0.116	0.144	0.368	-0.098
X <sub>12</sub>	0.037	0.019	-0.001	0.011	-0.124	-0.231	0.033	0.028	0.014	0.001	0.081	0.169	0.037

Note: \* and \*\* indicates significant at 5 per cent and 1 per cent level respectively; Residual effect = 0.8943; A: Correlation with Grain yield per plant (g)