**Table S1. Relative induction frequencies of different callus types of *Saccharum spontaneum* genotypes.**

|  |  |  |  |
| --- | --- | --- | --- |
| Genotype | Relative induction frequency (%) | | |
| Type I | Type II | Type III a |
| GD41 | 28.5 | 27.7 | 43.8 |
| GX87-20 | 31.9 | 25.6 | 42.5 |
| HNLS5 | 8.0 | 40.1 | 51.9 |
| LAO2 | 24.2 | 30.1 | 45.7 |
| S.SP2003-2 | 30.4 | 26.5 | 43.1 |
| SC79-1-4 | 23.8 | 30.4 | 45.8 |
| VN2 | 7.7 | 8.5 | 83.8 |
| YN2011-44 | 13.6 | 20.2 | 66.2 |
| YN75-1-2 | 15.7 | 39.2 | 45.1 |
| *F*- genotype | 39.760\*\* | 38.339\*\* | 24.415\*\* |

a Type III calli were identified as embryonic calli. \*\*, statistically significant at the level of 0.01.