**Table S1.** **The β-glucan content and DP3:DP4 ratio of CslF gene constructs and empty vector control in the *N. benthamiana* transient expression system**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | % MLG w/w | StDev | DP3:DP4where MLG detected | StDev |
| empty vector | 0.14 | 0.09 | nd | nd |
| HvCslF6 | 1.56 | 0.12 | 1.66 | 0.01 |
| HvCslF11 | 0.04 | 0.02 | nd | nd |
| HvCslF12 | 0.07 | 0.04 | nd | nd |

MLG = mixed linkage glucan; nd = not detected.