Table 4 Nitrogenase activity of some endophytic nitrogen-fixing bacteria in the past five years

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| --- | --- | --- | --- |
| Name | nitrogenase activity(nmol mL-1 h-1) | Symbiosis plant | Author, Year Journal  |
| *Pantoea agglomerans* XD20 | 3187.8 | sugarcane | ([Mao et al., 2019](#_ENREF_34))*Acta Botanica Boreali-Occidentalia Sinica* |
| *Pantoea sp.* NN08200 | 2445 | sugarcane | ([Shi et al., 2019](#_ENREF_53))*,**Microbiology China*  |
| *Stenotrophomonas maltophilia* B11S | 1456.23 | sugarcane | ([Xing et al., 2016](#_ENREF_63))*Sugar Tech* |
| *actinobacterial* WZS021 | 65 | Sugarcane | ([Wang et al., 2017](#_ENREF_61))*Sugar Tech* |
| *Sphingomonas trueperi* NNA‐14 | 350 | Giant reed | ([Xu et al., 2018](#_ENREF_64))*Journal of Basic Microbiology* |
| *Klebsiella pneumoniae subspecies*1′13 | 103.077 | Guangxi wild rice | ([Tan et al., 2017](#_ENREF_58)) *Chinese Journal of Applied and Environmental Biology* |
| *Devosia* RKZ210 | 2.98 | highland barley | ([Liu et al., 2017](#_ENREF_26)) *Journal of Triticeae* *Crops* |
| *K. radicincitans* GXGL-4A | 232.94 | Maize | ([Li et al., 2016](#_ENREF_21)) Microbiology China |
| *Pseudomonas migulae* | 2.8 | American black pine | ([Puri et al., 2018](#_ENREF_42))*Canadian journal of forest research*, |
| *Paenibacillus* L201 | 5630 | [Bryophyllum pinnatum](../../../%C3%A4) | ([Liu et al., 2018](#_ENREF_25))*Antonie Van Leeuwenhoek International journal of general and molecular microbiology* |

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