Appendix S1 Sampling sites for the collection of *A. donax* genetic material.

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| **Sample number** | **Site**  **Number** | **Site Location** | **Province** | **GPS coordinates** |
| 1 | 1 | Nelspruit (1A-MP-1) | Mpumalanga | 25°26’03’’S; 30°52’02’’E |
| 2 | 2 | Nelspruit – scrap yard (2A-MP-1) | Mpumalanga | 25°01’52’’S; 31°01’25’’E |
| 3 | 3 | Hazyview (3A-MP-1) | Mpumalanga | 25°27’17’”S; 30°53’07’’E |
| 4,5,6,7,8 | 4 | Hazyview – garage (4A-MP-1-5) | Mpumalanga | 25°03’12’’S; 31°07’51’’E |
| 9 | 5 | Kruger National Park (5A-MP-1) | Mpumalanga | 24°58’48’’S; 31°28’53’’E |
| 10 | 6 | Shakaskraal (1A-KZN-1) | KwaZulu-Natal | 29°27’28’’S; 31°13’00’’E |
| 11,12,13,14,15 | 7 | La Mercy (2A-KZN-1-5) | KwaZulu-Natal | 29°38’47’’S; 31°07’18’’E |
| 16 | 8 | Zimbali (3A-KZN-1) | KwaZulu-Natal | 29°33’38’’S; 31°10’19’’E |
| 17 | 9 | Verulam (4A-KZN-1) | KwaZulu-Natal | 29°38’44’’S; 31°03’54’’E |
| 18 | 10 | Ballito (5A-KZN-1) | KwaZulu-Natal | 29°28’17’’S; 31°14’28’’E |
| 19,20,21,22,23 | 11 | Hout Bay (1A-WC-1-5) | Western Cape | 34°02’05’’S; 18°21’13’’E |
| 24 | 12 | Constantia (2A-WC-1) | Western Cape | 34°01’24’’S; 18°26’18’’E |
| 25 | 13 | Jonkerhoek Farm, Stellenbosch (3A-WC-1) | Western Cape | 33°56’41’’S; 18°53’53”E |
| 26 | 14 | Spier Farm, Stellenbosch (4A-WC-1) | Western Cape | 33°58’30’’S;18°47’07”E |
| 27,28 | 15 | Neethlingshof Estate, Stellenbosch (5A-WC-1) | Western Cape | 33°56’53’’S;18°47’59”E |
| 29 | 16 | Rustler’s Valley, Ficksburg (1A-FS-1) | Free State | 28°43’12’’S, 28°01’33’’E |
| 30,31,32 | 17 | Clocolan (2A-FS-1,2 and 3A-FS-1) | Free State | 28°51’30’’S, 27°32’27’’E |
| 33 | 18 | Marquard (4A-FS-1) | Free State | 28°42’11’’S, 27°26’35’’E |
| 34,35,36,37,38 | 19 | Marquard (5A-FS-1-5) | Free State | 28°39’39’’S, 27°25’52’’E |
| 39 | 20 | Fitzroy Street, Grahamstown | Eastern Cape | 33°18’1’’S, 26°31’40’’E |
| 40 | 21 | Rhodes University, Grahamstown | Eastern Cape | 33°18’41’’S, 26°30’48’’E |
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Appendix S2 Primer sequences for the four microsatellite primers used for *A. donax* according to Tarin et al. (2013).

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| **Primer** | **Dye** | **Sequence** | **Size** | **Annealing temperature (°C)** |
| Ad\_B7 | 6-FAM | B7-F: CTATGCATAAGTTTAGATCTACAACTAG  B7-R:  GGTTTTGGCGACAATAAGATAGTTC | 134-196 bp | 55 |
| Ad\_A3 | VIC | A3-F:  CACAGGCGCGTGATTGACC  A3-R:  CAGATCCGACAGGACGAGATG | 102-149 bp | 55 |
| Ad\_B1 | NED | B1-F:  CATGGATGCCAACTCCTTCAAC  B1-R:  GGAAATACTTCATTCTAGTTAGAGATAGA | 103-161 bp | 55 |