**Supplemental Table S4. Surface sediment samples collected from New Zealand freshwater bodies for environmental DNA extraction.**

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| --- | --- | --- | --- |
| Sampling date | Sampling Site | Sample ID | Source Material |
| Name | Latitude | Longitude |
| 4 January 2020 | LakeRotoiti | 41°48'24.0"S | 172°50'38.1"E | R1 | Sediment biofilm |
| R2 | Sediment biofilm |
| R3 | Sediment biofilm |
| R4 | Sediment/gravel |
| R5 | Sediment/gravel |
| 16 January 2020 | MaitaiRiver | 41°16'47.6"S | 173°19'47.5"E | M1 | Sediment |
| M2 | Sediment |
| M3 | Sediment |
| M4 | Benthic biofilm (algae) |
| M5 | Benthic biofilm (algae) |
| 26 January 2020 | Tasman Valley Stream  | 41°11'44.6"S | 173°03'25.2"E | J1 | Sediment/gravel |
| J2 | Sediment/gravel |
| J3 | Sediment/gravel |
| J4 | Sediment/gravel |
| J5 | Biofilm (off rocks) |
| J6 | Biofilm (off rocks) |