**Data Description**

Data used in the study: ***Can bacterial indicators of a grassy woodland restoration inform ecosystem assessment and microbiota-mediated human health?***

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| **File name** | **Data description and lineage** | **Reference** |
| AMD\_16S\_table\_otus.fasta | Representative fasta sequences for bacterial 16S operational taxonomic units (OTUs) from the Mt Bold restoration chronosequence. | (Gellie et al. 2017) |
| BASE\_16S\_OTU.csv | Bacterial 16S OTU abundance table for samples in the Biomes of Australian Soil Environments (BASE) database; from online published data 19-Dec-2017. | (Bissett et al. 2016) |
| BASE\_16S\_OTU.fasta | Representative fasta sequences for bacterial 16S OTUs in the BASE database; from online published data 24-June-2018. | (Bissett et al. 2016) |
| BASE\_16S\_taxonomy.xlsx | Bacterial 16S OTU taxonomy table for samples in the BASE database; from online published data 19-Dec-2017. | (Bissett et al. 2016) |
| BASE\_Sample\_Contextual\_Data\_Update\_2017-12-19.xlsx | Sample contextual data for samples in the BASE database (including sample spatial coordinates); from online published data 19/Dec/2017. | (Bissett et al. 2016) |
| Mt\_Bold\_Bacteria\_16S\_OTU\_raw\_data\_matrix.xlsx | OTU abundance table for soil microbiome samples from Mt Bold restoration chronosequence. | (Gellie et al. 2017) |
| Mt-Bold-context-data.xlsx | Contextual data for soil microbiome samples from Mt Bold restoration chronosequence. | (Gellie et al. 2017) |
| R-Script-bacterial-indicators-study.txt | Copy of R code and copied R console results used for analyses. | N/A |

**References**

Bissett, A.; Fitzgerald, A.; Meintjes, T.; Mele, P.M.; Reith, F.; Dennis, P.G.; Breed, M.F.; Brown, B.; Brown, M.V.; Brugger, J.; Byrne, M.; Caddy-Retalic, S.; Carmody, B.; Coates, D.J.; Correa, C.; Ferrari, B.C.; Gupta, V.V.S.R.; Hamonts, K.; Haslem, A.; Hugenholtz, P.; Karan, M.; Koval, J.; Lowe, A.J.; Macdonald, S.; McGrath, L.; Martin, D.; Morgan, M.; North, K.I.; Paungfoo-Lonhienne, C.; Pendall, E.; Phillips, L.; Pirzl, R.; Powell, J.R.; Ragan, M.A.; Schmidt, S.; Seymour, N.; Snape, I.; Stephen, J.R.; Stevens, M.; Tinning, M.; Williams, K.; Yeoh, Y.K.; Zammit, C.M.; Young, A., 2016. Introducing BASE: the Biomes of Australian Soil Environments soil microbial diversity database. *GigaScience*. 5, 21

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