**THE NUMBERS IN THE SANGER SEQUENCE FILES CORRESPOND WITH THE NUMBERS IN THIS TABLE**

**Table 1 Species level taxonomic assignment success of barcodes from different primer pairs of selected bee species representing different families. Assignment success was either given as unambiguous (correct) identification in BOLD as CORRECT, misamplification of endosymbiont as WOLBACHIA, or a sequence that showed double or mixed signal and could not be identified as MIXED.**

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| **Taxon** | **LCO1490/HCO2198** | **BeeCox!F1/BeeCox1R2** |
| **Megachilidae** |  |  |
| *Coelioxys alata* (1) | CORRECT | CORRECT |
| *Megachile circumcincta (2)* | CORRECT | CORRECT |
| **Andrenidae** |  |  |
| *Andrena barbilabris* (4) | CORRECT | CORRECT |
| *Andrena flavipes (6)* | WOLBACHIA | CORRECT |
| *Andrena ovatula* (5) | MIXED | CORRECT |
| *Andrena ovatula* (7) | WOLBACHIA | CORRECT |
| *Andrena minutula* (15) | CORRECT | CORRECT |
| *Andrena nigroaenea* (8) | WOLBACHIA | CORRECT |
| *Andrena wilkella* (35) | MIXED | CORRECT |
| *Andrena wilkella* (36) | MIXED | CORRECT |
| *Andrena wilkella* (37) | MIXED | CORRECT |
| **Halictidae** |  |  |
| *Lasioglossum minutulum* (14) | MIXED | CORRECT |
| *Lasioglossum nitidiusculum* (41) | CORRECT | CORRECT |
| *Lasioglossum pauxillum* (49) | CORRECT | CORRECT |
| *Lasioglossum semilucens* (46) | WOLBACHIA | CORRECT |
| *Lasioglossum sexstrigatum* (16) | CORRECT | CORRECT |
| *Lasioglossum villosulum* (48) | CORRECT | CORRECT |
| *Sphecodes miniatus* (19) | CORRECT | CORRECT |
| *Sphecodes monilicornis* (18) | WOLBACHIA | CORRECT |
| *Sphecodes punticeps* (17) | CORRECT | CORRECT |
| **Colletidae** |  |  |
| *Hylaeus brevicornis* (13) | CORRECT | CORRECT |
| *Hylaeus communis* (12) | WOLBACHIA | CORRECT |
| **Apidae** |  |  |
| *Bombus terrestris* (72) | CORRECT | CORRECT |
| *Nomada succincta* (71) | MIXED | CORRECT |
| **Mellitidae** |  |  |
| *Melitta leporina* (M10) | MIXED | CORRECT |