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| **Supplementary File 7. Primer sequences used for qPCR and *ccr2 det154* characterisation** |
| **PCR primers** | **Purpose or gene** | **Sequence** |
| det1-short-F | Amplifies *det1* exon 3-5 junction | GAATGAAGAATCAGATAACGTAATGgttcag |
| det1-short-R | Amplifies *det1* exon 6-7 junction | TGGTAAAGATCTTCTGCTGAGTTCTGA |
| det1-long-F | Amplifies *det1* exon 3-4 | TGAAGAATCAGATAACGTAATGAGAGTTC |
| det1-long-R | Amplifies *det1* exon 4-5 | TGATCAGCACTTCTTGTTACCCCA |
| PP2A-F | protein phosphotase 2A | CTTCGTGCAGTATCGCTTCTC |
| PP2A-R | protein phosphotase 2A | ATTGGAGAGCTTGATTTGCG |
| PORA-F | protochlorophyllide oxidoreductase a | TTTCGGAGCAAAGCAAAGC |
| PORA-R | protochlorophyllide oxidoreductase a | TTTGTGACTGATGGAGTTGAAG |
| LHCB2-F | light-harvesting chlorophyll b-binding 2 | CAGCTATCCAACAATCCTCCTTCG |
| LHCB2-R | light-harvesting chlorophyll b-binding 2 | TTCTCCGAGAATGGTCCCAAGTAC |
| HY5-F | elongated hypocotyl-5 | GAGAAAGAGAACAAGCGGCTGAAG |
| HY5-R | elongated hypocotyl-5 | AGCATCTGGTTCTCGTTCTGAAGA |
| PIF3-F | phytochorme interacting factor 3 | TTGGCTCGGGTAATAGTCTCGATG |
| PIF3-R | phytochorme interacting factor 3 | CCTGCTTCCTTTCTTCCATCTCCT |
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