**Table S1.** The temperature conditions of PCR reaction (annealing step) optimized for primers used in the study.

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| --- | --- | --- |
| **Gene**1 | ***C. osculatum* s. s.** | ***P. decipiens* s. s.** |
| *unc-63* | 55-60 oC | 55-60 oC |
| *unc-38* | 60 oC | 60 oC |
| *unc-29* | 55 oC | 55 oC |
| *acr-8* | 55 oC | 55 oC |
| *ric-3* | 60 oC | 60 oC |
| *GABA 1* | 60 oC | 60 oC |
| *pgp-1* | 65 oC | 65 oC |
| *gst* | 60 oC | 60 oC |
| *cat* | 60 oC | 60 oC |
| *sod* | 55 oC | 55 oC |
| *actin* | 60 oC | 60 oC |
| *ef-1α* | 65 oC | 65 oC |

1 Full gene name: *unc 63* — acetylcholine receptor alpha-type subunit 63; *unc 38* — alpha nicotinic acetylcholine receptor subunit 38; *unc 29* — acetylcholine receptor beta subunit 29; *arc 8* — nicotinic acetylcholine receptor alpha subunit 8; *ric 3* — resistance to inhibitors of cholinesterase protein 3 gene; *GABA 1* — neurotransmitter gamma-aminobutyric acid gene; *pgp-1* — multidrug resistance protein gene; *gst* — glutathione-S-transferase C-terminal domain-containing protein gene; *cat* — catalase gene; *sod* — superoxide dismutase gene; *act* — actin; *ef-1α* — elongation factor 1 alpha gene.