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# LIST OF ABBREVIATIONS

| | |
|---|---|
| APS | Ammonium persulphate |
| $^{o}$C | degree Celsius |
| cAMP | cyclic adenosine monophosphate |
| cDNA | complementary DNA |
| *C. elegans* | *Caenorhabditis elegans* |
| CTAB | cetyl trimethyl ammonium bromide |
| C-terminal | carboxy terminal |
| DA | Dopamine |
| DAR | Dopamine receptor |
| DAR_Pem | *Penaeus monodon*'s dopamine receptor |
| DMEM | Dulbecco's modified eagle medium |
| DNA | deoxyribonucleic acid |
| dNTP | deoxyribonucleotide triphosphate |
| *E. coli* | *Escherichia coli* |
| FBS | fetal bovine serum |
| FITC | fluorescein isothiocyanate |
| GIH | Gonad-stimulating hormone |
| GPCR | G-protein couple receptor |
| GSH | Gonad-stimulating hormone |
| GSI | gonado-somatic index |
| hr | hour |
| IPTG | isopropyl-β-D-thiogalactopyranoside |
| kb | kilobase pair (s) |
| kDa | kilodalton (s) |
| LB | Luria-Beriani (medium) |
| *M. rosenbergii* | *Macrobrachium rosenbergii* |
| min | minute (s) |

# LIST OF ABBREVIATION (cont.)

| | |
|---|---|
| ng | nanogram |
| nm | nanometer (s) |
| $OD_{600}$ | optical density at 600 nm |
| ORF | open reading frame |
| *P. monodon* | *Penaeus monodon* |
| PBS | phosphate buffer saline |
| PCR | polymerase chain reaction |
| SDS | sodium dodecyl sulfate |
| PAGE | polyacrylamide gel electrophoresis |
| RACE | Rapid Amplification of cDNA ends |
| RNase | ribonuclease |
| rpm | revolutions per minute |
| RT | reverse transcriptase |
| sec | second |
| S.E.M. | standard deviation |
| TEMED | N,N,N,N'- tetramethyl-ethylenediamide |
| UTR | untranslated regions |
| U | unit (s) |
| UV | ultraviolet |
| v/v | volume / volume |
| w/v | weight / volume |