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| **Target** | **Sequence (5’ -> 3’)**  |
| ACT(β-actin) | Standard | ATACCGTGTTCAATGGGGTACTTCAGAGTAAGGATACCTCGCTTGCTCTGAGCCTCATCTCCGACGTAGGCGTCCTTCTGACCCATACCGA |
| Probe | [FAM]AAGGATACCTCGCTTGCTCTGA[BHQ1a]  |
| F-primer | ACCGTGTTCAATGGGGTA |
| R-primer | GGTATGGGTCAGAAGGAC |
| LLOD ($\overbar{x}$) | Ct of 38.62 corresponds to 56.2 amplicon copies |
| Threshold Ct ($\overbar{x}$) | 0.0324 |
| UBQ(Ubiquitin-conjugating enzyme E2) | Standard | ATGGCTCTCAAAAGAATTAACAAGGAACTCCAGGATCTTGGGCGTGACCCTCCCGCACAGTGCTCCGCGGGGCCTGTAGGCGATGACATGTTCCA |
| Probe | [FAM]GTGACCCTCCCGCACAGT[BHQ1a] |
| F-primer | GGCTCTCAAAAGAATTAACA |
| R-primer | GAACATGTCATCGCCTAC |
| LLOD ($\overbar{x}$) | Ct of 37.35 corresponds to 48.2 amplicon copies |
| Threshold Ct ($\overbar{x}$) | 0.0170 |
| NMHC (Non-muscular myosin heavy chain) | Standard | AGACATTGTGAGCGGATTCCTGAAGCCTCGTATCAAGGTCGTCAGAGAGGCCGTCACCAAAGCGCAGAACAAGGAACAGGT |
| Probe | [FAM]AGGTCGTCAGAGAGGCCGTCACCA[BHQ1a] |
| F-primer | ACATTGTGAGCGGATTCCTG |
| R-primer | CTGTTCCTTGTTCTGCGCTT |
| LLOD ($\overbar{x}$) | Ct of 35.35 corresponds to 29.8 amplicon copies |
| Threshold Ct ($\overbar{x}$) | 0.0554 |
| EF1A(Elongation factor-1α) | Standard | ACGATGACCTGAGCAAGGAAGCTCTCAGCCTCCTTGGCGGGATCGTTCTTGGAGTCGGAGGTGA |
| Probe | [HEX]CTCTCAGCCTCCTTGGCG[BHQ1a] |
| F-primer | GATGACCTGAGCAAGGAA |
| R-primer | ACCTCCGACTCCAAGAAC |
| LLOD ($\overbar{x}$) | Ct of 40.63 corresponds to 41.4 amplicon copies |
| Threshold Ct ($\overbar{x}$) | 0.0246 |
| Thermocycling parameters for targets ACT, UBQ, NMHC and EF1A include: 1 cycle at 95 °C x 5 min, followed by 60 cycles of 95 °C for 30s and 59 °C for 30s |
| \*LM29173-REP | Standard | TATTCTCCCGTTCGTTACTCCAGGTCTTTCTGATGCTGAACGAATCGGTGACACAATTAATCTTCGTTCTATGAGTTTGATGGGTCATA |
| Probe |  [FAM]TGCTGAACGAATCGGTGACACAA[TAMRA] |
| F-primer | TTCTCCCGTTCGTTACTCCA |
| R-primer | TGACCCATCAAACTCATAGAAC |
| LLOD ($\overbar{x}$) | Ct of 41.19 corresponds to 42.29 amplicon copies |
| Threshold Ct ($\overbar{x}$) | 0.0382 |
| Thermocycling parameters for LM29173-REP include: 1 cycle at 95 °C x 5 min, followed by 60 cycles of 95 °C for 30s and 58 °C for 30s |