**Table S1 Primer sequences**

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| **Primer name** | **sequence** | **used for** |
| Mos3+IR RT.rev | GCCAGAAGTCAGATGCTCAAGG | reverse transcription (Fig S1) |
| FL\_Fwd | GCTACAAACGCTCTCATCGACAAG | qPCR-FL (Fig. 5) |
| FL\_Rev | GTATTTGATCAGGCTCTTCAGCCG | qPCR-FL (Fig. 5) |
| RL\_Fwd | CAGATTGTCCGCAACTACAACGCC | qPCR-FL (Fig. 5) |
| RL\_Rev | CTTACCCATTTCATCTGGAGCGTC | qPCR-FL (Fig. 5) |
| huB2MG\_Fwd | GTATGCCTGCCGTGTGAACCATC | qPCR-FL (Fig. 5) |
| huB2MG\_Rev | CAAATGCGGGCATCTTCAAACCTCC | qPCR-FL (Fig. 5) |
| pCag.fwd3a | GGCTCTGACTGACCGCGTTAC | qPCR-CAG (Fig. 5, 6C, S1C) |
| EGFP.rev.seq | GCTGAACTTGTGGCCGTTTACG | qPCR-CAG (Fig. 5, 6C, S1C) |
| huIL-8\_Fwd | CRGCAGCTCTGTGTGAAGGTGC | qPCR-IL-8 (Fig. S2) |
| huIL-8\_Rev | CAGTTTTCCTTGGGGTCCAGACAG | qPCR-IL-8 (Fig. S2) |
| Lin28.3523.fwd | GAAGGCTGTGTGATATTTCCCTTG | RNase T1 (Fig. S1) |
| Lin28.3692.rev | GCTGCTCTCTGTGGACCACTATTC | RNase T1 (Fig. S1) |
| Elavl2.3112.fwd | GAACACAGAGGACAGCAAGACCAA | RNase T1 (Fig. S1) |
| Elavl2.3273.rev | TTCACAAATCCGTAACCCAAGCTC | RNase T1 (Fig. S1) |
| huHPRT\_Fwd | TGACCTTGATTTATTTTGCATACC | housekeeping gene (Fig. 5A,S2) |
| huHPRT\_Rev | CGAGCAAGACGTTCAGTCCT | housekeeping gene (Fig. 5A,S2) |