

Supplementary Table 1. DNA sequence of the Cry2-mCherry-MCS expression cassette with restriction sites for subsequent cloning of FUS constructs: **XhoI** and **KpnI**.

Expression cassette: cmv-Cry2-mCherry-MCS-SV4
<p>cgccccattgacgcaaatggcggttaggcgtgtacggtgggaggtctatataagcagagctggttagtgaaccgtcagatcCGCTAGCGCTAC CGGTCGCCACCATGAAGATGGACAAAAAGACTATAGTTTGGTTTAGAAGAGACCTAAGGATTG AGGATAATCCTGCATTAGCAGCAGCTGCTCACGAAGGATCTGTTTTTCCTGTCTTCATTTGGTG TCCTGAAGAAGAAGGACAGTTTTATCCTGGAAGAGCTTCAAGATGGTGGATGAAACAATCACT TGCTCACTTATCTCAATCCTTGAAGGCTCTTGGATCTGACCTCACTTTAATCAAAACCCACAAC ACGATTTTCAGCGATCTTGGATTGTATCCGCGTTACCGGTGCTACAAAAGTCGTCTTTAACCACC TCTATGATCCTGTTTCGTTAGTTCGGGACCATACCGTAAAGGAGAAGCTGGTGGAAACGTGGGA TCTCTGTGCAAAGCTACAATGGAGATCTATTGTATGAACCGTGGGAGATATACTGCGAAAAGG GCAAACCTTTTACGAGTTTCAATTCTTACTGGAAGAAATGCTTAGATATGTCGATTGAATCCGT TATGCTTCCTCCTCCTTGGCGGTTGATGCCAATAACTGCAGCGGCTGAAGCGATTTGGGCGTGT TCGATTGAAGAACTAGGGCTGGAGAATGAGGCCGAGAAACCGAGCAATGCGTTGTTAACTAG AGCTTGGTCTCCAGGATGGAGCAATGCTGATAAGTTACTAAATGAGTTCATCGAGAAGCAGTT GATAGATTATGCAAAGAACAGCAAGAAAGTTGTTGGGAATTCTACTTCACTACTTTCTCCGTAT CTCCATTTTCGGGGAAATAAGCGTCAGACACGTTTCCAGTGTGCCCGGATGAAACAAATTATA TGGGCAAGAGATAAGAACAGTGAAGGAGAAGAAAGTGCAGATCTTTTCTTAGGGGAATCGG TTTAAGAGAGTATTCTCGGTATATATGTTTCAACTTCCCGTTTACTCACGAGCAATCGTTGTG AGTCATCTTCGTTTTTCCCTTGGGATGCTGATGTTGATAAGTTCAAGGCCTGGAGACAAGGCA GGACCGGTTATCCGTTGGTGGATGCCGGAATGAGAGAGCTTTGGGCTACCGGATGGATGCATA ACAGAATAAGAGTGATTGTTTCAAGCTTTGCTGTGAAGTTTCTTCTCCTTCCATGGAAATGGGG AATGAAGTATTTCTGGGATACACTTTTGGATGCTGATTGGAATGTGACATCCTTGGCTGGCAG TATATCTCTGGGAGTATCCCCGATGGCCACGAGCTTGATCGCTTGGACAATCCCGCGTTACAAG GCGCCAAATATGACCCAGAAGGTGAGTACATAAGGCAATGGCTTCCCGAGCTTGCAGATTGC CAACTGAATGGATCCATCATCCATGGGACGCTCCTTTAACCGTACTCAAAGCTTCTGGTGTGGA ACTCGGAACAACTATGCGAAACCCATTGTAGACATCGACACAGCTCGTGAGCTACTAGCTAA AGCTATTTCAAGAACCCGTGAAGCACAGATCATGATCGGAGCAGCAGCCCGGGATCCACCGGT CGCCACCATGGTGAGCAAGGGCGAGGAGGATAACATGGCCATCATCAAGGAGTTCATGC GCTTCAAGGTGCACATGGAGGGCTCCGTGAACGGCCACGAGTTCGAGATCGAGGGCGAG GGCGAGGGCCGCCCCCTACGAGGGCACCCAGACCGCCAAGCTGAAGGTGACCAAGGGTG GCCCCCTGCCCTTCGCCTGGGACATCCTGTCCCCTCAGTTCATGTACGGCTCCAAGGCCT ACGTGAAGCACCCCGCCGACATCCCCGACTACTTGAAGCTGTCCTTCCCCGAGGGCTTCA AGTGGGAGCGCGTGATGAACTTCGAGGACGGCGGCGTGGTGACCGTGACCCAGGACTCC TCCCTGCAGGACGGCGAGTTCATCTACAAGGTGAAGCTGCGCGGCACCAACTTCCCCTC CGACGGCCCCGTAATGCAGAAGAAGACCATGGGCTGGGAGGCCTCCTCCGAGCGGATGT ACCCCGAGGACGGCGCCCTGAAGGGCGAGATCAAGCAGAGGCTGAAGCTGAAGGACGG CGGCCACTACGACGCTGAGGTCAAGACCACCTACAAGGCCAAGAAGCCCGTGACAGCTGC CCGGCGCCTACAACGTCAACATCAAGTTGGACATCACCTCCACAACGAGGACTACACCA TCGTGGAACAGTACGAACGCGCCGAGGGCCGCCACTCCACCGGCGGCATGGACGAGCTG TACAAGTCCGGACTCGGCGGCCACCGCTGGATCCTGGAGGTGCTGTTCCAGGGCCCCAGATCT CGAGCTCAAGCTTCGAATTCTGCAGTCGACGGTACCGCGGGCCCGGGATCCACCGGATCTAGA TAACTGATCATAATCAGCCATACCACATTTGTAGAGGTTTTACTTGCTTTAAAAAACCTCCACACCTC CCCCTGAACCTGAAACATAAAATGAATGCAATTGTTGTTGTTAACTTGTTTATTGCAGCTTATAATGGTT ACAAATAAAGCAATAGCATCACAATTTACAAATAAAGCATTTTTTCTACTGCATTCTAGTTGTGGTTT GTCCAAACTCATCAATGTATCTTAACGCGTAAATTGTAAG</p>