**Table S1**

**Primers used for exon amplification**

SMNpig.ex1seq.s: 5’-AAGCGCTGGTTGTTACTCTCTCCAGC-3’

SMNpig.ex1seq.as: 5’-CTTAGAAACATGCCCACCACGACCTG-3’

SMNpig.ex2aseq.s: 5'-TGAGCAGGTAGGCTTCTTGTGGT-3'

SMNpig.ex2aseq.as: 5'-AGCAACAGTGGATCTGAGCTGCA-3'

SMNpig.ex2bseq.s: 5’-TGGACCTAGAGACCAGTTTATAGTGAC-3’

SMNpig.ex2bseq.as: 5’-ACATGTCAATGGAAAACACTGTAGTACTC-3’

SMNpig.ex3seq.s: 5’-TCCCAGAAAAGTTAACTGGAAGCTACTG-3’

SMNpig.ex3seq.as: 5’-GCCTCAGTGGATCAAACTAGTTATACC-3’

SMNpig.ex4seq.s: 5’-GGTATAACTAGTTTGATCCACTGAGGC-3’

SMNpig.ex4seq.as: 5’-CAATTCACTAACAAGGGGCTGAATGTC-3’

SMNpig.ex5seq.s: 5’-AGTGGGTACTCCTGTGTAGCCTTCTTG-3’

SMNpig.ex5seq.as: 5’-ACCTATGTTCTGCTAAATTCCAAACTGTG-3’

SMNpig.ex6seq.s: 5’-AAAGTAGGAGATGATCAGGAATGTAGG-3’

SMNpig.ex6seq.as: 5’-CTGACATACGCCTATAGTTCCCAATC-3’

SMNpig.ex8seq.s: 5’-GTGAGGGAAACTTCCCAGTGTACTC-3’

SMNpig.ex8seq.as: 5’-TGCAACTTGGAACATATGTGGCCAG-3’

SMNpig.ex9seq.s: 5’-TTGTATTTACTGCGACAAGTGTGTTGC-3’

SMNpig.ex9seq.as: 5’-CACAATCGGCTCTATCTTTACAACACTAC-3’

**Primers used to amplify the intronic regions surrounding exon 7**

SMN-Ss-ivs6.2-XhoI-s: 5’-CGGCATCTCGAGGTTCCCAGGCTAGGGGTCGAATTGGAGC-3’

SMNpig.ivs6-368.as: 5’-AGGTTGCGGGTTTGATCTCTGACC-3’

SMNpig.ivs6-177as: 5'-GTGATCCCAAAGTAAACAATAATTAGGCTGC-3'

SMN-Ss-Seq-ivs7-s: 5’-GTCTAATTACTTAACTGTCCCATAAAGTTTG-3’

SMN-Ss-Seq-ivs7-as: 5’-CAAACTTTATGGGACAGTTAAGTAATTAGAC-3’

SMNpig.ivs7.300s: 5'-GATAGTCAGACTTGCTTTTTGACTTGTGATG-3'

SMNpig.ivs7.586s: 5’-AAGAGATATAAGAGCCAGGGTGTTCC-3’

SMNpig.ivs7.658s: 5’-CAGGTTCAATCTCTGACCTCACTCAG-3’

SMNpig.ivs7.963s: 5’-TGTTGCTGATTTATGAGTTGTGG-3’

SMNpig.ivs7.1321s: 5’-TCCCCACTTAACATAGTCTTG-3’

SMNpig.ivs7.1635s: 5’-CTCAGATTGTTTGCCTGTGTGTC-3’

SMNpig.ivs7.1971s: 5’-CTCTGGCAAAAGATCGTAGACAC-3’

SMNpig.ivs7.2217s: 5’-TGCAATGACACTGGATTCTAAAC-3’

SMNpig.ivs7.2512s: 5’-CCCTAAAGTCATTTTTATTCAGTTGG-3’

SMNpig.ivs7.2632as: 5’-CTGCCCTAATGCTTCTACCTTTGTAC-3’

SMNpig.ivs7.2847s: 5’-GGGGGTCAGGTTATCCTTACATG-3’

SMNpig.ivs7.3195s: 5’-GTTGCTGCAAATGGCATTATGTC-3’

SMNpig.ivs7.3527s: 5’-GCCCCTCCAACACTTGTTATTTG-3’

SMNpig.ivs7.3890s: 5’-GTCCCATGGGTTTATTTTTGCTC-3’

SMNpig.ivs7.4234s: 5’-GGTCTGTCTGTCTGTTTTGGTAC-3’

SMNpig.ivs7.4560s: 5’-ATTAAAGTTTTGTAGTTCTCGGC-3’

SMNpig.ivs7.4914s: 5’-CGATGTTGAAGAGCAGTGGTGAG-3’

SMNpig.ivs7.5236s: 5’-TCGTCTTGTCTACAGTATCTGGC-3’

SMNpig.ivs7.5448s: 5’-GTGAATGCTTTTGAAAGTTGAATTAC-3’

SMNpig.ivs7.5562as: 5’-AGACATTGAGTTTGTGGTGACTTTGC-3’

SMNpig.ivs7.5642s: 5’-TAATTGTCCTTGCGGTTGTTAGG-3’

SMNpig.ivs7.5959s: 5’-GCCTTCATCAAAGGATCAGTCAG-3’

SMNpig.ivs7.6307s: 5’-TTGGCGTTTGTTATTTTTATGTG-3’

SMNpig.ivs7.8677s: 5’-GGTTACCTCTGAGGAGGGACTAGAAG-3’