

**Supplementary table 1: Detailed list of dystrophin gene mutations**

Sample	Sample ID for publication	Disease status	Dystrophin gene mutation
RBK109-108	#2	BMD	Deletion Exon 45-51
RBK109-121	#3	BMD	Deletion Exon 45-55
RBK109-147	#4	BMD	Deletion Exon 45-47
RBK109-157	#5	BMD	Deletion Exon 45-49
RBK109-192	#6	BMD	Splice mutation c.186+2T>C
RBK109-20	#7	BMD	Duplication Exon 29-34
RBK109-270	#8	BMD	c.5587-7T>A
RBK109-279	#9	BMD	Deletion Exon 17-18
RBK109-37	#10	BMD	Deletion Exon 45-48
RBK109-82	#11	BMD	Duplication Exon 2-7
RBK109-87	#12	BMD	Mutation Exon 8
RBK109-111	#13	DMD	Duplication Exon 18-29
RBK109-112	#14	DMD	Duplication Exon 18-29
RBK109-118	#15	DMD	Deletion Exon 48-50
RBK109-127	#16	DMD	Deletion Exon 48-54
RBK109-140	#17	DMD	Deletion Exon 45-50
RBK109-141	#18	DMD	Deletion Exon 9-28
RBK109-167	#19	DMD	Duplication Exon 42-50
RBK109-177	#20	DMD	Duplication Exon 42-50
RBK109-246	#21	DMD	Deletion Exon 46-55
RBK109-247	#22	DMD	Deletion Exon 46-55
RBK109-45	#23	DMD	Mutation Exon 55
RBK109-56	#24	DMD	Duplication Exon 8-11
RBK109-60	#25	DMD	Deletion Exon 8-28
RBK109-62	#26	DMD	Deletion Exon 8-28
RBK109-63	#27	DMD	Deletion Exon 8-28
RBK109-74	#28	DMD	Deletion Exon 43
RBK109-94	#30	DMD	Duplication Exon 5-18
RBK109-95	#31	DMD	Deletion Exon 51