Overview of DMD **point mutations** (reported in the Leiden DMD mutation database) for which the reading frame can theoretically be restored by AON-mediated exon skipping

Mutation in exon[1]	Exon(s) to skip[2]		Mutation in exon	Exon(s) to skip
2 (2)	2-7		40 (3)	40
3 (9)	3		41 (8)	41
4 (4)	4		42 (1)	42
5 (5)	5		43 (12)	43&44
6 (12)	6-8		44 (12)	43&44 or 44&45
7 (10)	6-8		45 (8)	44&45 or 45&46
8 (18)	6-8		46 (3)	45&46
9 (4)	9		47 (7)	47
10 (7)	10		48 (10)	48
11 (4)	11&12		49 (1)	49
12 (10)	11&12		50 (4)	50&51
13 (9)	13		51 (7)	50&51 or 51&52
14 (7)	14		52 (6)	51&52 or 52&53
15 (2)	15		53 (4)	52&53
16 (10)	16		54 (4)	54&55
17 (9)	17&18		55 (6)	54&55 or 55&56
18 (12)	17&18		56 (6)	55&56 or 56&57
19 (21)	19&20		57 (3)	56&57
20 (10)	19&20 or 20&21		58 (6)	58&59
21 (12)	20&21 or 21&22		59 (17)	58&59
22 (5)	21&22		60 (6)	60
23 (12)	23		61 (4)	59-61
24 (10)	24		62 (10)	62&63
25 (6)	25		63 (1)	62&63
26 (11)	26		64[5] (6)	64
27 (3)	27		65[5] (13)	65&66
28 (1)	28		66[5] (18)	65&66
29[4] (5)	29		67[5] (5)	66-68
30 (6)	30		68[5] (8)	68&69
31 (2)	31		69[5] (11)	68&69 or 69&70
32 (8)	32		70 (39)	69&70
33 (6)	33		72 (1)	72
34 (14)	34		74 (9)	74
35 (16)	35		75 (4)	75&76
36 (4)	36		76 (2)	75&76
37 (4)	37		77 (1)	77
38 (3)	38			
39 (9)	39			

[1]Mutation data as present in the Leiden DMD mutation database on February 23rd 2004 kindly provided by Ivo Fokkema

[2]Exon(s) to skip in order to convert the deletion into its nearest in frame counterpart

[3]Absolute numbers are shown in brackets; in the Leiden DMD mutation database 570 point mutations and x mutations have been reported for DMD patients (data kindly provided by Ivo Fokkema)

[4]Mutations that require skipping of exons that has been proven "skippable" in human control myotubes are shown in blue, mutations for which reading frame restoration has been shown feasible *in vitro* are shown in green

[5]Since this exon is located in the cysteine rich region, restoring the reading frame may not result in a functional protein for these patients