

Table S2: List of all theoretically possible in-frame deletion within *dystrophin*. Bold-underlined numbers indicate deletions found in the eDystrophin database, while cells with green fonts and yellow highlighter refers to the deletions obtained from the UMD-DMD France database and literature searching, respectively.

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
<u>2</u>	<u>7</u>	23	57
2	19	23	59
2	21	23	60
2	50	23	67
2	52	23	69
2	58	23	75
2	61	23	78
2	63	<u>24</u>	<u>24</u>
2	64	<u>24</u>	<u>25</u>
2	66	24	26
2	76	<u>24</u>	<u>27</u>
2	77	24	28
<u>3</u>	<u>3</u>	24	29
<u>3</u>	<u>4</u>	24	30
<u>3</u>	<u>5</u>	24	31
3	8	24	32
<u>3</u>	<u>9</u>	24	33
3	10	24	34
<u>3</u>	<u>12</u>	24	35
<u>3</u>	<u>13</u>	24	36
3	14	24	37
<u>3</u>	<u>15</u>	24	38
<u>3</u>	<u>16</u>	24	39
<u>3</u>	<u>18</u>	24	40
<u>3</u>	<u>20</u>	24	41
3	22	24	42
3	23	24	44
3	24	24	46
<u>3</u>	<u>25</u>	24	47
<u>3</u>	<u>26</u>	24	48
<u>3</u>	<u>27</u>	24	49
3	28	24	51
<u>3</u>	<u>29</u>	24	53
<u>3</u>	<u>30</u>	24	55
3	31	24	57
3	32	24	59
<u>3</u>	<u>33</u>	24	60
<u>3</u>	<u>34</u>	24	67

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
<u>3</u>	<u>35</u>	24	69
3	36	24	75
<u>3</u>	<u>37</u>	24	78
3	38	<u>25</u>	<u>25</u>
<u>3</u>	<u>39</u>	25	26
3	40	25	27
<u>3</u>	<u>41</u>	25	28
<u>3</u>	<u>42</u>	25	29
<u>3</u>	<u>44</u>	25	30
3	46	25	31
<u>3</u>	<u>47</u>	25	32
3	48	25	33
<u>3</u>	<u>49</u>	25	34
3	51	25	35
3	53	25	36
3	55	25	37
3	57	25	38
3	59	25	39
3	60	25	40
3	67	25	41
3	69	25	42
3	75	25	44
3	78	25	46
<u>4</u>	<u>4</u>	25	47
4	5	25	48
4	8	25	49
4	9	25	51
4	10	25	53
<u>4</u>	<u>12</u>	25	55
<u>4</u>	<u>13</u>	25	57
4	14	25	59
4	15	25	60
4	16	25	67
4	18	25	69
4	20	25	75
4	22	25	78
4	23	<u>26</u>	<u>26</u>
4	24	26	27
4	25	<u>26</u>	<u>28</u>
4	26	26	29
4	27	<u>26</u>	<u>30</u>
4	28	26	31

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
4	29	26	32
4	30	26	33
4	31	26	34
4	32	26	35
4	33	26	36
4	34	26	37
4	35	26	38
4	36	26	39
4	37	26	40
4	38	26	41
4	39	26	42
4	40	26	44
4	41	26	46
4	42	26	47
4	44	26	48
4	46	26	49
4	47	26	51
4	48	26	53
4	49	26	55
4	51	26	57
4	53	26	59
4	55	26	60
4	57	26	67
4	59	26	69
4	60	26	75
4	67	26	78
4	69	27	27
4	75	27	28
4	78	27	29
5	5	27	30
5	8	27	31
5	9	27	32
5	10	27	33
5	12	27	34
5	13	27	35
5	14	27	36
5	15	27	37
5	16	27	38
5	18	27	39
5	20	27	40
5	22	27	41
5	23	27	42

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
5	24	27	44
5	25	27	46
5	26	27	47
5	27	27	48
5	28	27	49
5	29	27	51
5	30	27	53
5	31	27	55
5	32	27	57
5	33	27	59
5	34	27	60
5	35	27	67
5	36	27	69
<u>5</u>	<u>37</u>	27	75
5	38	27	78
5	39	28	28
5	40	<u>28</u>	<u>29</u>
5	41	28	30
5	42	28	31
<u>5</u>	<u>44</u>	28	32
5	46	28	33
5	47	28	34
<u>5</u>	<u>48</u>	28	35
5	49	28	36
5	51	28	37
5	53	28	38
5	55	28	39
5	57	28	40
5	59	28	41
5	60	28	42
5	67	<u>28</u>	<u>44</u>
5	69	28	46
5	75	28	47
5	78	28	48
<u>6</u>	<u>8</u>	<u>28</u>	<u>49</u>
6	9	28	51
6	10	28	53
<u>6</u>	<u>12</u>	28	55
<u>6</u>	<u>13</u>	28	57
6	14	28	59
6	15	28	60
6	16	28	67

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
6	18	28	69
6	20	28	75
6	22	28	78
6	23	29	29
6	24	29	30
6	25	29	31
6	26	29	32
6	27	29	33
6	28	29	34
6	29	29	35
6	30	29	36
6	31	29	37
6	32	29	38
6	33	29	39
6	34	29	40
6	35	29	41
6	36	29	42
6	37	29	44
6	38	29	46
6	39	29	47
6	40	29	48
6	41	29	49
6	42	29	51
6	44	29	53
6	46	29	55
6	47	29	57
6	48	29	59
6	49	29	60
6	51	29	67
6	53	29	69
6	55	29	75
6	57	29	78
6	59	<u>30</u>	<u>30</u>
6	60	30	31
6	67	30	32
6	69	30	33
6	75	30	34
6	78	30	35
<u>7</u>	<u>11</u>	30	36
7	17	30	37
7	43	30	38
7	45	30	39

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
7	54	30	40
7	56	30	41
7	62	<u>30</u>	<u>42</u>
7	65	<u>30</u>	<u>44</u>
7	68	30	46
7	70	30	47
7	71	30	48
7	72	30	49
7	73	30	51
7	74	30	53
<u>8</u>	<u>19</u>	30	55
<u>8</u>	<u>21</u>	30	57
8	50	30	59
8	52	30	60
8	58	30	67
8	61	30	69
8	63	30	75
8	64	30	78
8	66	31	31
8	76	31	32
8	77	31	33
9	9	31	34
9	10	31	35
<u>9</u>	<u>12</u>	31	36
9	13	31	37
9	14	31	38
9	15	31	39
9	16	31	40
9	18	31	41
9	20	31	42
9	22	31	44
9	23	31	46
9	24	31	47
9	25	31	48
9	26	31	49
9	27	31	51
9	28	31	53
9	29	31	55
9	30	31	57
9	31	31	59
9	32	31	60
9	33	31	67

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
9	34	31	69
9	35	31	75
9	36	31	78
9	37	32	32
9	38	32	33
9	39	32	34
9	40	32	35
9	41	32	36
9	42	32	37
9	44	32	38
9	46	32	39
9	47	32	40
9	48	32	41
9	49	<u>32</u>	<u>42</u>
9	51	<u>32</u>	<u>44</u>
9	53	32	46
9	55	32	47
9	57	32	48
9	59	32	49
9	60	32	51
9	67	32	53
9	69	32	55
9	75	32	57
9	78	32	59
10	10	32	60
10	12	32	67
10	13	32	69
10	14	32	75
<u>10</u>	<u>15</u>	32	78
<u>10</u>	<u>16</u>	33	33
<u>10</u>	<u>18</u>	33	34
10	20	33	35
10	22	33	36
10	23	33	37
10	24	33	38
10	25	33	39
<u>10</u>	<u>26</u>	33	40
10	27	33	41
<u>10</u>	<u>28</u>	33	42
<u>10</u>	<u>29</u>	33	44
10	30	33	46
10	31	33	47

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
10	32	33	48
<u>10</u>	<u>33</u>	33	49
<u>10</u>	<u>34</u>	33	51
10	35	33	53
10	36	33	55
<u>10</u>	<u>37</u>	33	57
<u>10</u>	<u>38</u>	33	59
10	39	33	60
10	40	33	67
<u>10</u>	<u>41</u>	33	69
<u>10</u>	<u>42</u>	33	75
<u>10</u>	<u>44</u>	33	78
10	46	<u>34</u>	<u>34</u>
10	47	34	35
<u>10</u>	<u>48</u>	34	36
10	49	34	37
10	51	34	38
10	53	34	39
10	55	34	40
10	57	34	41
10	59	34	42
10	60	<u>34</u>	<u>44</u>
10	67	34	46
10	69	34	47
10	75	34	48
10	78	34	49
11	12	34	51
11	13	34	53
11	14	34	55
11	15	34	57
11	16	34	59
11	18	34	60
11	20	34	67
11	22	34	69
11	23	34	75
11	24	34	78
11	25	35	35
11	26	35	36
<u>11</u>	<u>27</u>	35	37
11	28	35	38
<u>11</u>	<u>29</u>	35	39
<u>11</u>	<u>30</u>	35	40

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
11	31	35	41
11	32	<u>35</u>	<u>42</u>
11	33	<u>35</u>	<u>44</u>
11	34	35	46
11	35	35	47
11	36	35	48
11	37	35	49
11	38	35	51
11	39	35	53
11	40	35	55
11	41	35	57
11	42	35	59
11	44	35	60
11	46	35	67
11	47	35	69
11	48	35	75
11	49	35	78
11	51	36	36
11	53	36	37
11	55	36	38
11	57	36	39
11	59	36	40
11	60	36	41
11	67	36	42
11	69	36	44
11	75	<u>36</u>	<u>46</u>
11	78	36	47
12	17	36	48
12	43	36	49
12	45	36	51
12	54	36	53
12	56	36	55
12	62	36	57
12	65	36	59
12	68	36	60
12	70	36	67
12	71	36	69
12	72	36	75
12	73	36	78
12	74	37	37
13	13	37	38
13	14	37	39

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
13	15	37	40
13	16	37	41
13	18	37	42
13	20	37	44
13	22	37	46
13	23	37	47
13	24	37	48
13	25	37	49
13	26	37	51
13	27	37	53
13	28	37	55
13	29	37	57
13	30	37	59
13	31	37	60
13	32	37	67
13	33	37	69
13	34	37	75
13	35	37	78
13	36	38	38
13	37	38	39
13	38	38	40
13	39	38	41
13	40	38	42
13	41	38	44
13	42	38	46
13	44	38	47
13	46	38	48
13	47	38	49
13	48	38	51
13	49	38	53
13	51	38	55
13	53	38	57
13	55	38	59
13	57	38	60
13	59	38	67
13	60	38	69
13	67	38	75
13	69	38	78
13	75	39	39
13	78	39	40
14	14	39	41
14	15	39	42

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
14	16	39	44
14	18	39	46
14	20	39	47
14	22	39	48
14	23	39	49
14	24	39	51
14	25	39	53
14	26	39	55
14	27	39	57
14	28	39	59
14	29	39	60
14	30	39	67
14	31	39	69
14	32	39	75
14	33	39	78
14	34	40	40
14	35	40	41
14	36	40	42
14	37	<u>40</u>	<u>44</u>
14	38	40	46
14	39	40	47
14	40	40	48
<u>14</u>	<u>41</u>	40	49
14	42	40	51
14	44	40	53
14	46	40	55
14	47	40	57
14	48	40	59
14	49	40	60
14	51	40	67
14	53	40	69
14	55	40	75
14	57	40	78
14	59	<u>41</u>	<u>41</u>
14	60	41	42
14	67	<u>41</u>	<u>44</u>
14	69	41	46
14	75	41	47
14	78	41	48
15	15	41	49
15	16	41	51
15	18	41	53

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
15	20	41	55
15	22	41	57
15	23	41	59
15	24	41	60
15	25	41	67
15	26	41	69
15	27	41	75
15	28	41	78
15	29	42	42
15	30	<u>42</u>	<u>44</u>
15	31	42	46
15	32	42	47
15	33	42	48
15	34	42	49
15	35	42	51
15	36	42	53
15	37	42	55
15	38	42	57
15	39	42	59
15	40	42	60
15	41	42	67
15	42	42	69
15	44	42	75
15	46	42	78
15	47	<u>43</u>	<u>44</u>
15	48	43	46
15	49	43	47
15	51	43	48
15	53	43	49
15	55	43	51
15	57	43	53
15	59	43	55
15	60	43	57
15	67	43	59
15	69	43	60
15	75	43	67
15	78	43	69
<u>16</u>	<u>16</u>	43	75
16	18	43	78
16	20	<u>44</u>	<u>45</u>
16	22	<u>44</u>	<u>54</u>
16	23	44	56

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
16	24	44	62
16	25	44	65
16	26	44	68
16	27	44	70
16	28	44	71
<u>16</u>	<u>29</u>	44	72
16	30	44	73
16	31	44	74
16	32	<u>45</u>	<u>46</u>
16	33	<u>45</u>	<u>47</u>
16	34	<u>45</u>	<u>48</u>
16	35	<u>45</u>	<u>49</u>
16	36	<u>45</u>	<u>51</u>
16	37	<u>45</u>	<u>53</u>
16	38	<u>45</u>	<u>55</u>
16	39	<u>45</u>	<u>57</u>
16	40	45	59
16	41	45	60
16	42	45	67
16	44	45	69
16	46	45	75
16	47	45	78
16	48	46	54
16	49	46	56
16	51	46	62
16	53	46	65
16	55	46	68
16	57	46	70
16	59	46	71
16	60	46	72
16	67	46	73
16	69	46	74
16	75	<u>47</u>	<u>47</u>
16	78	<u>47</u>	<u>48</u>
17	18	<u>47</u>	<u>49</u>
17	20	<u>47</u>	<u>51</u>
17	22	47	53
17	23	47	55
<u>17</u>	<u>24</u>	47	57
17	25	47	59
17	26	<u>47</u>	<u>60</u>
17	27	47	67

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
17	28	47	69
<u>17</u>	<u>29</u>	47	75
17	30	47	78
17	31	<u>48</u>	<u>48</u>
17	32	<u>48</u>	<u>49</u>
17	33	<u>48</u>	<u>51</u>
<u>17</u>	<u>34</u>	<u>48</u>	<u>53</u>
17	35	<u>48</u>	<u>55</u>
17	36	<u>48</u>	<u>57</u>
17	37	<u>48</u>	<u>59</u>
17	38	48	60
17	39	48	67
17	40	48	69
17	41	48	75
17	42	48	78
17	44	<u>49</u>	<u>49</u>
17	46	<u>49</u>	<u>51</u>
17	47	49	53
<u>17</u>	<u>48</u>	49	55
17	49	49	57
17	51	49	59
17	53	49	60
17	55	49	67
17	57	49	69
17	59	49	75
17	60	49	78
17	67	<u>50</u>	<u>51</u>
17	69	<u>50</u>	<u>53</u>
17	75	50	55
17	78	50	57
<u>18</u>	<u>43</u>	50	59
18	45	50	60
18	54	50	67
18	56	50	69
18	62	50	75
18	65	50	78
18	68	<u>51</u>	<u>52</u>
18	70	51	58
18	71	51	61
18	72	51	63
18	73	51	64
18	74	51	66

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
<u>19</u>	<u>20</u>	51	76
19	22	51	77
19	23	52	53
19	24	52	55
19	25	52	57
19	26	52	59
19	27	52	60
19	28	52	67
19	29	52	69
19	30	52	75
19	31	52	78
19	32	53	58
19	33	53	61
19	34	53	63
19	35	53	64
19	36	53	66
19	37	53	76
19	38	53	77
19	39	54	55
19	40	54	57
19	41	54	59
19	42	54	60
19	44	54	67
19	46	54	69
19	47	54	75
19	48	54	78
19	49	55	56
19	51	55	62
19	53	55	65
19	55	55	68
19	57	55	70
19	59	55	71
19	60	55	72
19	67	55	73
19	69	55	74
19	75	56	57
19	78	56	59
20	21	56	60
<u>20</u>	<u>50</u>	56	67
20	52	56	69
20	58	56	75
20	61	56	78

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
20	63	57	62
20	64	57	65
20	66	57	68
20	76	57	70
20	77	57	71
21	22	57	72
21	23	57	73
21	24	<u>57</u>	<u>74</u>
21	25	<u>58</u>	<u>59</u>
21	26	58	60
21	27	58	67
21	28	58	69
21	29	58	75
21	30	58	78
21	31	59	61
21	32	59	63
21	33	59	64
21	34	59	66
21	35	59	76
21	36	59	77
21	37	<u>60</u>	<u>60</u>
21	38	60	67
21	39	60	69
21	40	60	75
21	41	60	78
21	42	61	67
21	44	<u>61</u>	<u>69</u>
21	46	61	75
21	47	61	78
21	48	62	63
21	49	62	64
21	51	62	66
21	53	62	76
21	55	62	77
21	57	63	65
21	59	63	68
21	60	63	70
21	67	63	71
21	69	63	72
21	75	63	73
21	78	63	74
22	50	64	64

Deletion starts at exon	Deletion ends at exon	Deletion starts at exon	Deletion ends at exon
22	52	64	66
22	58	64	76
22	61	64	77
22	63	65	66
22	64	65	76
22	66	65	77
22	76	66	68
22	77	66	70
23	23	66	71
23	24	66	72
23	25	66	73
23	26	66	74
23	27	67	76
23	28	67	77
23	29	68	69
23	30	68	75
23	31	68	78
23	32	69	70
23	33	69	71
23	34	69	72
23	35	69	73
23	36	69	74
23	37	70	75
23	38	70	78
23	39	71	71
23	40	71	72
23	41	71	73
23	42	71	74
23	44	72	72
23	46	72	73
23	47	72	74
23	48	73	73
23	49	73	74
23	51	74	74
23	53	76	78
23	55	77	77