Supplemenary Table 1. Novel Likely Pathogenic Variations in Eastern Europe Patients

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|  | Country  | **ID sample** | **DNA variation** | **Type of variation** | **Phenotype** |
| 1 | Croatia | GM 3526/17 | Exon 12: c.1408A>T; p.Arg470\* | Nonsense | DMD |
| 2 | Hungary | GM 52/17 | Exon 56: c.8386\_8387insCC; p.I2796Tfs\*29 | frameshifting | DMD |
| 3 | Poland | GM 700/17 | Intron 7: c.650-1G>C; p? | canonical splice site acceptor | DMD |
|  4 | Poland | GM 1988/18 | Exon 10: c.1027delC; p.Arg343Valfs\*6 | frameshifting | DMD |
| 5 | Poland | GM 2604/17 | Exon 12: c.1405G>T; p.Glu469\* | Nonsense | DMD |
| 6 | Poland | GM 1361/17 | Complex variation intron 24/exon 25: c.3277-14\_3280delATTTATTTTCTTAGCTTTinsCCA | frameshifting | DMD |
| 7 | Poland | GM 2001/18 | Exon 35: c.4979G>A; p.Trp1660\* | Nonsense | DMD |
| 8 | Poland | GM 136/18 | Exon 38: c.5376deA; p.Lys1792Asnfs\*14 | frameshifting | DMD |
| 9 | Poland | GM 941/19 | Exon 55: c.8106dupT, p.Ala2703Cysfs\*7 | frameshifting | DMD |
| 10 | Poland | GM 1224/17 | Exon 57: c.8403delA; p.Ala2802Profs\*22 | frameshifting | DMD |
| 11 | Poland | 390a | Exon 72: c.10300delC; p.H3434Ifs\*11 | frameshifting | DMD |
| 12 | Romania | GM 1911/18 | Intron 27: c.3786+2T>A; p.? | canonical splice site donor | BMD  |
| 13 | Romania | GM 2218/18 | Exon 49: c.7174dupG; p.Glu2392Glyfs\*18 | frameshifting | DMD |
| 14 | Romania | GM 1995/19 | Exon 59: c.8818C>T, p.Gln2940\* | Nonsense | DMD |
| 15 | Romania | GM 906/19 | Exon 59: c.8688\_8689delAG, p.Arg2896Serfs\*13 | frameshifting | DMD |
| 16 | Romania | GM 4002/18 | Exon 75: c.10738delG; p.Glu3580Lysfs\*14 | frameshifting | DMD |
| 17 | Ukraine | GM 2043/18 | Exon 4: c.206dupC; p.Arg70Lysfs\*19  | frameshifting | DMD |
| 18 | Ukraine | GM 2538/18 | Exon 8: c.794delAinsCT; p.His265Profs\*22  | frameshifting | DMD |
| 19 | Ukraine | GM 1966/18 | Exon36: c.5094dupT, p.Asp1699fs\*1  | frameshifting | DMD |
| 20 | Ukraine | GM 1941/18 | Exon37: 5161A>T, p.Lys1721\* | Nonsense | DMD |
| 21 | Ukraine | GM 1809/18 | Exon 39: c.5506C>T, p.Gln1836\* | Nonsense | DMD |
| 22 | Ukraine | GM 3156/16 | Exon 40: c.5611A>T, p.Lys1871\*  | Nonsense | DMD |
| 23 | Ukraine | GM 1806/18 | Exon 40: c.5701delG, p.Ala1901Profs\*12  | frameshifting | DMD |
| 24 | Ukraine | GM 1970/18 | Exon 43: c.6139C>T, p.Gln2047\* | Nonsense | DMD |
| 25 | Ukraine | GM 2047/18 | Exon 64: c.9337delC; p.Arg3113fs\*12 | frameshifting | DMD |
| 26 | Ukraine | GM 1804/18 | Exon 68: c.9821delC; p.Pro3274Glnfs\*9  | frameshifting | DMD |