Supplementary Table 4. Novel SNPs in known gene modifiers in patients studied by WES

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|  |  |  | **GENE MODIFIERS: exonic SNPs** |
| **Country**  | **ID NUMBER** | **DMD variation (NM\_004006.2)** | **LTBP4 (NM\_001042544.1)** | **ACTN3 (NM\_001258371.2)** | **THBS1 (NM\_003246.3)** |
| ALGERIA | GM 2173/18 | exon 10: c.1012G>T; p.Glu338\* | exon 6: c.678C>T, p.His226His (rs564816866) |  |   |
| ALGERIA | GM 2511/18 | gene deletion exons 48-50: c.6913-?\_7309+?del | exon 26: c.3648C>T, p.Ala1216Ala(rs201788846) | exon 21: c.2704C>T, p.Arg902Cys, (rs71457732) |   |
| ALGERIA | GM 2515/18 | gene deletion exons 2-26: c.32-?\_3603+?del |   | exon 7: c.842C>T, p.Ala281Val (rs144340728) |   |
| ALGERIA | GM 2516/18 | gene duplication exons 52-62: c.7543-?\_9224+?dup |   | exon 21: c.2704C>T, p.Arg902Cys (rs71457732) |   |
| ALGERIA | GM 2528/18 | gene deletion exons 35-45: c.4846-?\_6614+?del |   |   | exon 13: c.2028C>T, p.Cys676Cys (rs59272325) |
| ALGERIA | GM 2530/18 | gene deletion exons 4-7: c.187-?\_649+?del |   | exon 10: c.1151G>A, p.Arg384His (rs373409167);exon 12: c.1539G>A, p.Ala513Ala (rs114371258); exon 14: c.1792G>T, p.Val598Leu (rs771486650); exon 15: c.1962G>A, p.Pro654Pro (rs7949754); exon 21: c.2695G>T, p.Glu899Ter (rs116281147); exon 21: c.2696A>T, p.Glu899Val (rs115296201) |   |
| UKRAINE | GM 2539/18 | intron 5: c.358-1G>T | exon 9: c.1092C>T, p.Gly364Gly (rs374427407) |  |   |
| UKRAINE | GM 2046/18 | intron 68: c.9975-2A>T |  |  | c.2124T>A, p.Asn708Lys (rs61757229) |