**S1 Table.** Congenital muscular dystrophy related genes in the capture probe library

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| --- | --- | --- | --- | --- |
| Group2.NMD\_CMD (Congenital Muscular Dystrophy) | gene | NM# | inheritance | OMIM |
| 1 | ALG13 | NM\_001099922.2 | X-Linked | 300776 |
| 2 | B3GALNT2 | NM\_152490.4 | AR | 610194 |
| 3 | CHKB | NM\_005198.4 | AR | 612395 |
| 4 | COL6A1 | NM\_001848.2 | AD/AR | 120220 |
| 5 | COL6A2 | NM\_001849.3 | AD/AR | 120240 |
| 6 | COL6A3 | NM\_004369.3 | AD/AR | 120250 |
| 7 | DNM2 | NM\_001005360.2 | AD/AR | 602378 |
| 8 | DPM1 | NM\_003859.1 | AR | 603503 |
| 9 | DPM2 | NM\_003863.3 | AR | 603564 |
| 10 | FHL1 | NM\_001449.4 | X-Linked | 300163 |
| 11 | FKRP | NM\_024301.4 | AR | 606596 |
| 12 | FKTN | NM\_001079802.1 | AR | 607440 |
| 13 | GMPPB | NM\_021971.2 | AR | 615320 |
| 14 | ISPD | NM\_001101426.3 | AR | 614631 |
| 15 | ITGA7 | NM\_002206.2 | AR | 600536 |
| 16 | LAMA2 | NM\_000426.3 | AR | 156225 |
| 17 | LARGE | NM\_004737.4 | AR | 603590 |
| 18 | POMGNT1 | NM\_017739.3 | AR | 606822 |
| 19 | POMGNT2 | NM\_032806.5 | AR | 614828 |
| 20 | POMK | NM\_032237.4 | AR | 615247 |
| 21 | POMT1 | NM\_007171.3 | AR | 607423 |
| 22 | POMT2 | NM\_013382.5 | AR | 607439 |
| 23 | SEPN1 | NM\_020451.2 | AR | 606210 |
| 24 | TCAP | NM\_003673.3 | AD/AR | 604488 |
| 25 | TMEM5 | NM\_014254.2 | AR | 605862 |