**Table S1. List of the DMD-associated genes.** List of the top 205 genes prioritized from the BIO-NMD project and selected for the SOLiD sequencing enrichment. Different Refseq of the same gene have been reported.

|  |  |  |
| --- | --- | --- |
| number | Refseq SNP | Gene |
| 1 | NM\_005026 | PIK3CD |
| 2 | NM\_014654 | SDC3 |
| 3 | NM\_001142588 | NFYC |
| 4 | NM\_001114172 | PIK3R3 |
| 5 | NM\_006252 | PRKAA2 |
| 6 | NM\_002228 | JUN |
| 7 | NM\_172212 | CSF1 |
| 8 | NM\_003637 | ITGA10 |
| 9 | NM\_005399 | PRKAB2 |
| 10 | NM\_181715 | CRTC2 |
| 11 | NM\_002293 | LAMC1 |
| 12 | NM\_005562 | LAMC2 |
| 13 | NM\_133262, NM\_133326 | ATP6V1G3 |
| 14 | NM\_002479 | MYOG |
| 15 | NM\_002646 | PIK3C2B |
| 16 | NM\_001017402 | LAMB3 |
| 17 | NM\_001040619, NM\_001030287 | ATF3 |
| 18 | NM\_001134285 | ESRRG |
| 19 | NM\_002189 | IL15RA |
| 20 | NM\_003638 | ITGA8 |
| 21 | NM\_033668 | ITGB1 |
| 22 | NM\_012238 | SIRT1 |
| 23 | NM\_003373, NM\_014000 | VCL |
| 24 | NM\_003375 | VDAC2 |
| 25 | NM\_002645 | PIK3C2A |
| 26 | NM\_000614 | CNTF |
| 27 | NM\_004451 | ESRRA |
| 28 | NM\_138456 | BATF2 |
| 29 | NM\_005438 | FOSL1 |
| 30 | NM\_001104 | ACTN3 |
| 31 | NM\_001143836 | NOX4 |
| 32 | NM\_000552 | VWF |
| 33 | NM\_004570 | PIK3C2G |
| 34 | NM\_005086, NM\_001135823 | SSPN |
| 35 | NM\_001206709 | PRKAG1 |
| 36 | NM\_000889 | ITGB7 |
| 37 | NM\_002205 | ITGA5 |
| 38 | NM\_002206, NM\_001144997 | ITGA7 |
| 39 | NM\_002392 | MDM2 |
| 40 | NM\_133503 | DCN |
| 41 | NM\_006166 | NFYB |
| 42 | NM\_006253 | PRKAB1 |
| 43 | NM\_025157, NM\_001080855 | PXN |
| 44 | NM\_000231 | SGCG |
| 45 | NM\_004791 | ITGBL1 |
| 46 | NM\_001845 | COL4A1 |
| 47 | NM\_001846 | COL4A2 |
| 48 | NM\_002471 | MYH6 |
| 49 | NM\_000257 | MYH7 |
| 50 | NM\_005252 | FOS |
| 51 | NM\_001135049, NM\_001135047 | JDP2 |
| 52 | NM\_006399 | BATF |
| 53 | NM\_001004439 | ITGA11 |
| 54 | NM\_024505, NM\_001184780 | NOX5 |
| 55 | NM\_000246 | CIITA |
| 56 | NM\_015092 | SMG1 |
| 57 | NM\_001040056 | MAPK3 |
| 58 | NM\_002209 | ITGAL |
| 59 | NM\_000632, NM\_001145808 | ITGAM |
| 60 | NM\_000887 | ITGAX |
| 61 | NM\_005353 | ITGAD |
| 62 | NM\_001127891 | MMP2 |
| 63 | NM\_020313 | CIAPIN1 |
| 64 | NM\_004691 | ATP6V0D1 |
| 65 | NM\_006750 | SNTB2 |
| 66 | NM\_001170720, NM\_001170714 | BCAR1 |
| 67 | NM\_002208 | ITGAE |
| 68 | NM\_001142633 | PIK3R5 |
| 69 | NM\_003802 | MYH13 |
| 70 | NM\_002472 | MYH8 |
| 71 | NM\_017533 | MYH4 |
| 72 | NM\_005963 | MYH1 |
| 73 | NM\_017534 | MYH2 |
| 74 | NM\_002470 | MYH3 |
| 75 | NM\_001005291 | SREBF1 |
| 76 | NM\_000638 | VTN |
| 77 | NM\_002982 | CCL2 |
| 78 | NM\_003250 | THRA |
| 79 | NM\_005177 | ATP6V0A1 |
| 80 | NM\_013999 | MEOX1 |
| 81 | NM\_000419 | ITGA2B |
| 82 | NM\_000212 | ITGB3 |
| 83 | NM\_005501 | ITGA3 |
| 84 | NM\_000023 | SGCA |
| 85 | NM\_000088 | COL1A1 |
| 86 | NM\_000789, NM\_001178057 | ACE |
| 87 | NM\_000515 | GH1 |
| 88 | NM\_001005619 | ITGB4 |
| 89 | NM\_001614 | ACTG1 |
| 90 | NM\_005559 | LAMA1 |
| 91 | NM\_005406 | ROCK1 |
| 92 | NM\_001127717, NM\_001127718 | LAMA3 |
| 93 | NM\_001198939, NM\_032981 | DTNA |
| 94 | NM\_002647 | PIK3C3 |
| 95 | NM\_001190821, NM\_001190823 | SMAD7 |
| 96 | NM\_000657 | BCL2 |
| 97 | NM\_005027 | PIK3R2 |
| 98 | NM\_002911 | UPF1 |
| 99 | NM\_002503 | NFKBIB |
| 100 | NM\_001042544 | LTBP4 |
| 101 | NM\_000660 | TGFB1 |
| 102 | NM\_007121 | NR1H2 |
| 103 | NM\_001039362 | ATP6V1C2 |
| 104 | NM\_001006946 | SDC1 |
| 105 | NM\_033147 | DTNB |
| 106 | NM\_005253 | FOSL2 |
| 107 | NM\_001692 | ATP6V1B1 |
| 108 | NM\_000575 | IL1A |
| 109 | NM\_000576 | IL1B |
| 110 | NM\_014440 | IL36A |
| 111 | NM\_014438, NM\_173178 | IL36B |
| 112 | NM\_173842, NM\_000577 | IL1RN |
| 113 | NM\_000888 | ITGB6 |
| 114 | NM\_001935 | DPP4 |
| 115 | NM\_002054 | GCG |
| 116 | NM\_000210, NM\_001079818 | ITGA6 |
| 117 | NM\_000885 | ITGA4 |
| 118 | NM\_001145000 | ITGAV |
| 119 | NM\_005259 | MSTN |
| 120 | NM\_001608 | ACADL |
| 121 | NM\_004044 | ATIC |
| 122 | NM\_212482 | FN1 |
| 123 | NM\_017431 | PRKAG3 |
| 124 | NM\_000092 | COL4A4 |
| 125 | NM\_000091 | COL4A3 |
| 126 | NM\_057166, NM\_057164, NM\_057167 | COL6A3 |
| 127 | NM\_001200 | BMP2 |
| 128 | NM\_003098 | SNTA1 |
| 129 | NM\_005560 | LAMA5 |
| 130 | NM\_001853 | COL9A3 |
| 131 | NM\_001697 | ATP5O |
| 132 | NM\_001001890 | RUNX1 |
| 133 | NM\_000211 | ITGB2 |
| 134 | NM\_001848 | COL6A1 |
| 135 | NM\_058174, NM\_001849 | COL6A2 |
| 136 | NM\_001039366 | ATP6V1E1 |
| 137 | NM\_001196 | BID |
| 138 | NM\_138957 | MAPK1 |
| 139 | NM\_004599 | SREBF2 |
| 140 | NM\_001001928 | PPARA |
| 141 | NM\_002880 | RAF1 |
| 142 | NM\_002207 | ITGA9 |
| 143 | NM\_001123041, NM\_001123396 | CCR2 |
| 144 | NM\_002292 | LAMB2 |
| 145 | NM\_001177636 | DAG1 |
| 146 | NM\_001690 | ATP6V1A |
| 147 | NM\_001178065 | CASR |
| 148 | NM\_002213 | ITGB5 |
| 149 | NM\_014602 | PIK3R4 |
| 150 | NM\_006219 | PIK3CB |
| 151 | NM\_006218 | PIK3CA |
| 152 | NM\_001177800 | ADIPOQ |
| 153 | NM\_001130845 | BCL6 |
| 154 | NM\_013261 | PPARGC1A |
| 155 | NM\_005038 | PPID |
| 156 | NM\_032991 | CASP3 |
| 157 | NM\_001151 | SLC25A4 |
| 158 | NM\_181501 | ITGA1 |
| 159 | NM\_002203 | ITGA2 |
| 160 | NM\_181523, NM\_181504, NM\_001242466 | PIK3R1 |
| 161 | NM\_001126336, NM\_001164098, NM\_001164097 | VCAN |
| 162 | NM\_002188 | IL13 |
| 163 | NM\_000589 | IL4 |
| 164 | NM\_003374 | VDAC1 |
| 165 | NM\_001018074 | NR3C1 |
| 166 | NM\_172244 | SGCD |
| 167 | NM\_001171819 | PPARD |
| 168 | NM\_001105207, NM\_001105208 | LAMA4 |
| 169 | NM\_001079823 | LAMA2 |
| 170 | NM\_001122740 | ESR1 |
| 171 | NM\_015718 | NOX3 |
| 172 | NM\_001101 | ACTB |
| 173 | NM\_002214 | ITGB8 |
| 174 | NM\_000600 | IL6 |
| 175 | NM\_000089 | COL1A2 |
| 176 | NM\_005746 | NAMPT |
| 177 | NM\_002649 | PIK3CG |
| 178 | NM\_002291 | LAMB1 |
| 179 | NM\_007356 | LAMB4 |
| 180 | NM\_000245 | MET |
| 181 | NM\_000230 | LEP |
| 182 | NM\_001628 | AKR1B1 |
| 183 | NM\_130840 | ATP6V0A4 |
| 184 | NM\_001040633, NM\_016203 | PRKAG2 |
| 185 | NM\_139167 | SGCZ |
| 186 | NM\_001693 | ATP6V1B2 |
| 187 | NM\_003844 | TNFRSF10A |
| 188 | NM\_005662 | VDAC3 |
| 189 | NM\_015941 | ATP6V1H |
| 190 | NM\_152565 | ATP6V0D2 |
| 191 | NM\_004349 | RUNX1T1 |
| 192 | NM\_002998 | SDC2 |
| 193 | NM\_001695 | ATP6V1C1 |
| 194 | NM\_001199649, NM\_005607 | PTK2 |
| 195 | NM\_001916 | CYC1 |
| 196 | NM\_001127610 | BAAT |
| 197 | NM\_001099679 | TRIM32 |
| 198 | NM\_006059 | LAMC3 |
| 199 | NM\_002957 | RXRA |
| 200 | NM\_004016, NM\_004007, NM\_000109 | DMD |
| 201 | NM\_001170931 | FOXO4 |
| 202 | NM\_000291 | PGK1 |
| 203 | NM\_007052 | NOX1 |
| 204 | NM\_033641 | COL4A6 |
| 205 | NM\_000495 | COL4A5 |