Figure S1. Bioinformatics evaluation of dystrophin isoform Dp427 and its central position in the molecular pathogenesis of X-linked muscular dystrophy. In order to generate a protein interaction map with known and predicted protein associations that include direct physical and indirect functional protein linkages, the bioinformatics STRING database [1,2] was used to analyse mass spectrometrically-identified proteins with a changed abundance in *mdx-4cv* skeletal muscles (Tables 1 and 2).
**Figure S2.** Focus of the bioinformatics evaluation of dystrophin isoform Dp427 and its central position in the molecular pathogenesis of X-linked muscular dystrophy. Shown is the middle part of the interaction map of altered muscle-associated proteins from *mdx-4cv* hind limb muscles, focusing on the central position of the dystrophin protein Dp427 (marked in yellow). In order to generate a protein interaction map with known and predicted protein associations that include direct physical and indirect functional protein linkages, the bioinformatics STRING database [1,2] was used to analyse mass spectrometrically-identified proteins with a changed abundance in *mdx-4cv* skeletal muscles (Tables 1 and 2).
Table S1. List of identified proteins that exhibit a significantly altered concentration in crude *mdx-4cv* hind limb muscle preparations as revealed by label-free LC-MS/MS analysis. This table contains the statistical q-values of the proteins listed in Tables 1 and 2.

| Accession Number | Description | Peptide Count | q Value | Max Fold Change | Highest Mean Condition |
|------------------|-------------|---------------|---------|-----------------|------------------------|
| P09541           | Myosin light chain 4 | 7             | 0.0001  | 12.04           | *mdx-4cv*               |
| P13020           | Gelsolin     | 10            | 0.0005  | 4.18            | *mdx-4cv*               |
| Q00898           | Alpha-1-antitrypsin 1-5 | 5             | 0.0007  | 187.00          | *mdx-4cv*               |
| Q61879           | Myosin-10    | 2             | 0.0007  | Infinity        | *mdx-4cv*               |
| Q99JB8           | Protein kinase C and casein kinase II substrate protein 3 | 8             | 0.0015  | 2.10            | *mdx-4cv*               |
| P11531           | Dystrophin Dp427 | 9             | 0.0038  | 14.61           | *wt*                    |
| Q99JY9           | Actin-related protein 3 | 3             | 0.0049  | 5.59            | *mdx-4cv*               |
| Q60854           | Serpin B6     | 13            | 0.0050  | 4.00            | *mdx-4cv*               |
| Q61233           | Plastin-2     | 6             | 0.0050  | 5.39            | *mdx-4cv*               |
| Q9D154           | Leukocyte elastase inhibitor A | 9             | 0.0052  | 12.59           | *mdx-4cv*               |
| A2AMM0           | Muscle-related coiled-coil protein | 4             | 0.0062  | 4.60            | *mdx-4cv*               |
| Q70IV5           | Synemin       | 2             | 0.0062  | 2.44            | *mdx-4cv*               |
| Q8K0E8           | Fibrinogen beta chain | 11            | 0.0062  | 10.97           | *mdx-4cv*               |
| Q8R539           | PRA1 family protein 3 | 2             | 0.0062  | 16.11           | *mdx-4cv*               |
| Q9DAK9           | 14 kDa phosphohistidine phosphatase | 2             | 0.0068  | 3.02            | *wt*                    |
| Q9VB6            | Actin-related protein 2/3 complex subunit 2 | 3             | 0.0068  | 2.92            | *mdx-4cv*               |
| Q8BV14           | Dihydropteridine reductase | 5             | 0.0068  | 2.91            | *wt*                    |
| Q8VCM7           | Fibrinogen gamma chain | 3             | 0.0069  | 11.00           | *mdx-4cv*               |
| P48678           | Prelamin-A/C  | 25            | 0.0069  | 2.56            | *mdx-4cv*               |
| Q00623           | Apolipoprotein A-I | 14            | 0.0070  | 4.63            | *mdx-4cv*               |
| O09161           | Calsequestrin-2 | 3             | 0.0070  | 3.87            | *mdx-4cv*               |
| Q68FD5           | Clathrin heavy chain 1 | 10            | 0.0070  | 4.82            | *mdx-4cv*               |
| P97384           | Annexin A11   | 5             | 0.0070  | 2.32            | *mdx-4cv*               |
| P14152           | Malate dehydrogenase, cytoplasmic | 8             | 0.0070  | 2.33            | *wt*                    |
| Q922F4           | Tubulin beta-6 chain | 3             | 0.0079  | 59.01           | *mdx-4cv*               |
| Q99MQ4           | Asporin       | 5             | 0.0079  | 5.43            | *mdx-4cv*               |
| P56375           | Acylphosphatase-2 | 3             | 0.0079  | 2.40            | *wt*                    |
| P26041           | Moesin        | 5             | 0.0079  | 3.23            | *mdx-4cv*               |
| P24369           | Peptidyl-prolyl cis-trans isomerase B | 2             | 0.0081  | 2.73            | *mdx-4cv*               |
| P04247           | Myoglobin     | 16            | 0.0084  | 2.93            | *wt*                    |
| P68040           | Guanine nucleotide-binding protein subunit beta-2-like 1 | 6             | 0.0088  | 2.32            | *mdx-4cv*               |
| P17563           | Selenium-binding protein 1 | 7             | 0.0089  | 2.36            | *wt*                    |
| P10107           | Annexin A1    | 5             | 0.0089  | 4.99            | *mdx-4cv*               |
| Q8C0M9           | Isoaspartyl peptidase/L-asparaginase | 3             | 0.0093  | 3.98            | *wt*                    |
| Q61234           | Alpha-1-syntrophin | 3             | 0.0093  | 3.69            | *wt*                    |
| P07356           | Annexin A2    | 9             | 0.0096  | 3.55            | *mdx-4cv*               |
| Q02788           | Collagen alpha-2(VI) chain | 2             | 0.0098  | 44.37           | *mdx-4cv*               |
| Accession Number | Description | Peptide Count | q Value | Max Fold Change | Highest Mean Condition |
|------------------|-------------|---------------|---------|-----------------|------------------------|
| P99024 | Tubulin beta-5 chain | 4 | 0.0098 | 9.81 | mdx-4cv |
| Q9D783 | Kelch-like protein 40 | 6 | 0.0098 | 3.10 | mdx-4cv |
| Q9DB60 | Prostamide/prostaglandin F synthase | 2 | 0.0098 | 2.06 | mdx-4cv |
| Q03265 | ATP synthase subunit alpha, mitochondrial | 11 | 0.0098 | 2.10 | mdx-4cv |
| P26039 | Talin-1 | 3 | 0.0098 | 3.37 | mdx-4cv |
| Q8R4E4 | Myozenin-3 | 2 | 0.0098 | 2.45 | mdx-4cv |
| P62874 | Guanine nucleotide-binding protein G(1)/(G(S)/(G(T)) subunit beta-1 | 3 | 0.0107 | 2.68 | mdx-4cv |
| Q7TMM9 | Tubulin beta-2A chain | 12 | 0.0108 | 2.64 | mdx-4cv |
| Q91WD5 | NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial | 8 | 0.0108 | 2.32 | mdx-4cv |
| P31001 | Desmin | 18 | 0.0108 | 2.09 | mdx-4cv |
| P40124 | Adenylyl cyclase-associated protein 1 | 2 | 0.0108 | 2.08 | mdx-4cv |
| P62141 | Serine/threonine-protein phosphatase PP1-beta catalytic subunit | 2 | 0.0108 | 2.45 | mdx-4cv |
| P16015 | Carbonic anhydrase CA3 | 21 | 0.0108 | 3.44 | wt |
| P61027 | Ras-related protein Rab-10 | 3 | 0.0108 | 3.12 | mdx-4cv |
| Q07076 | Annexin A7 | 2 | 0.0108 | 2.47 | mdx-4cv |
| Q60864 | Stress-induced-phosphoprotein 1 | 3 | 0.0117 | 2.01 | wt |
| P62889 | 60S ribosomal protein L30 | 4 | 0.0117 | 2.26 | mdx-4cv |
| P14733 | Lamin-B1 | 5 | 0.0117 | 2.03 | mdx-4cv |
| P22752 | Histone H2A type 1 | 4 | 0.0117 | 3.67 | mdx-4cv |
| Q8VCT4 | Carboxylesterase 1D | 4 | 0.0117 | 5.85 | wt |
| P14602 | Heat shock protein beta-1 | 6 | 0.0120 | 2.05 | mdx-4cv |
| Q64105 | Sepiapterin reductase | 7 | 0.0120 | 3.14 | wt |
| P20152 | Vimentin | 15 | 0.0124 | 2.42 | mdx-4cv |
| P97927 | Laminin subunit alpha-4 | 3 | 0.0124 | 3.03 | mdx-4cv |
| O55137 | Acyl-coenzyme A thioesterase 1 | 2 | 0.0124 | 4.35 | wt |
| Q8QZS1 | 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial | 3 | 0.0129 | 3.15 | wt |
| P28665 | Murinoglobulin-1 | 15 | 0.0129 | 6.51 | mdx-4cv |
| Q9D358 | Low molecular weight phosphotyrosine protein phosphatase | 2 | 0.0129 | 2.89 | wt |
| P29621 | Serine protease inhibitor A3C | 2 | 0.0131 | 3.66 | mdx-4cv |
| P97449 | Aminopeptidase N | 2 | 0.0131 | 7.80 | mdx-4cv |
| P11276 | Fibronectin | 2 | 0.0132 | 271.96 | mdx-4cv |
| Q91ZJ5 | UTP--glucose-1-phosphate uridylyltransferase | 15 | 0.0132 | 2.08 | wt |
| P50544 | Very long-chain specific acyl-CoA dehydrogenase, mitochondrial | 3 | 0.0132 | 2.25 | mdx-4cv |
| Q9EOK5 | Major vault protein | 2 | 0.0132 | 3.59 | mdx-4cv |
| P07759 | Serine protease inhibitor A3K | 9 | 0.0132 | 2.65 | mdx-4cv |
| Accession Number | Description                                      | Peptide Count | q Value  | Max Fold Change | Highest Mean Condition |
|------------------|-------------------------------------------------|---------------|----------|-----------------|-----------------------|
| P14824           | Annexin A6                                      | 5             | 0.0135   | 2.15            | mdx-4cv               |
| P48036           | Annexin A5                                      | 8             | 0.0135   | 2.71            | mdx-4cv               |
| P63017           | Heat shock cognate 71 kDa protein               | 4             | 0.0135   | 2.03            | wt                    |
| Q61207           | Sulfated glycoprotein 1                         | 3             | 0.0135   | 3.14            | mdx-4cv               |
| P70695           | Fructose-1,6-bisphosphatase isozyme 2           | 9             | 0.0135   | 3.09            | wt                    |
| Q08642           | Protein-arginine deiminase type-2               | 10            | 0.0136   | 3.55            | wt                    |
| P50543           | Protein S100-A11                                | 2             | 0.0136   | 2.30            | mdx-4cv               |
| P47757           | F-actin-capping protein subunit beta            | 2             | 0.0138   | 2.34            | mdx-4cv               |
| Q9CQQ7           | ATP synthase F(0) complex subunit B1, mitochondrial | 5         | 0.0142   | 2.55            | mdx-4cv               |
| Q9D6F9           | Tubulin beta-4A chain                           | 7             | 0.0143   | 2.79            | mdx-4cv               |
| Q8BZA9           | Fructose-2,6-bisphosphatase TIGAR               | 2             | 0.0147   | 2.08            | wt                    |
| P22599           | Alpha-1-antitrypsin 1-2                         | 3             | 0.0147   | 3.47            | mdx-4cv               |
| O35129           | Prohibitin-2                                    | 3             | 0.0147   | 2.07            | mdx-4cv               |
| Q3TMP8           | Trimeric intracellular cation channel type A    | 2             | 0.0147   | 8.94            | mdx-4cv               |
| P51881           | ADP/ATP translocase 2                           | 2             | 0.0147   | 8.06            | mdx-4cv               |
| Q9ESD7           | Dysferlin                                       | 2             | 0.0148   | 16.08           | mdx-4cv               |
| P28653           | Biglycan                                        | 4             | 0.0148   | 17.82           | mdx-4cv               |
| A2AAJ9           | Obscurin                                        | 9             | 0.0156   | 2.27            | mdx-4cv               |
| P18760           | Cofilin-1                                       | 5             | 0.0156   | 2.90            | mdx-4cv               |
| O89053           | Coronin-1A                                      | 2             | 0.0156   | 8.10            | mdx-4cv               |
| P08228           | Superoxide dismutase [Cu-Zn]                    | 5             | 0.0156   | 2.09            | wt                    |
| P01872           | Ig mu chain C region                            | 3             | 0.0156   | 3.65            | mdx-4cv               |
| Q61838           | Alpha-2-macroglubulin                            | 28            | 0.0156   | 3.79            | mdx-4cv               |
| O88342           | WD repeat-containing protein 1                  | 3             | 0.0156   | 2.05            | mdx-4cv               |
| P32261           | Antithrombin-III                                | 3             | 0.0157   | 2.66            | mdx-4cv               |
| P70349           | Histidine triad nucleotide-binding protein 1    | 6             | 0.0157   | 2.27            | wt                    |
| Q8BK84           | Dual specificity phosphatase DUPD1              | 2             | 0.0157   | 2.21            | mdx-4cv               |
| Q8BF85           | Elongation factor Tu, mitochondrial             | 9             | 0.0158   | 2.37            | mdx-4cv               |
| P62835           | Ras-related protein Rap-1A                     | 2             | 0.0158   | 10.62           | mdx-4cv               |
| P14869           | 60S acidic ribosomal protein P0                 | 3             | 0.0158   | 2.57            | mdx-4cv               |
| P09405           | Nucleolin                                       | 2             | 0.0158   | 2.75            | mdx-4cv               |
| Q9JK53           | Prolargin                                       | 5             | 0.0159   | 2.57            | mdx-4cv               |
| P29391           | Ferritin light chain 1                          | 9             | 0.0164   | 2.68            | mdx-4cv               |
| P06801           | NADP-dependent malic enzyme                     | 8             | 0.0166   | 2.85            | wt                    |
| Q8R1G2           | Carboxymethylenobutenolidase homolog            | 4             | 0.0168   | 2.64            | wt                    |
| Q61147           | Ceruloplasmin                                   | 2             | 0.0170   | 4.09            | mdx-4cv               |
| Q9WTR5           | Cadherin-13                                     | 3             | 0.0171   | 2.37            | mdx-4cv               |
| P19096           | Fatty acid synthase                             | 3             | 0.0174   | 4.00            | wt                    |
| P68368           | Tubulin alpha-4A chain                          | 3             | 0.0176   | 2.28            | mdx-4cv               |
| P68369           | Tubulin alpha-1A chain                          | 12            | 0.0177   | 3.68            | mdx-4cv               |
| Q6ZHY9           | Histone H2B type 1-C/E/G                        | 3             | 0.0178   | 3.46            | mdx-4cv               |
| Accession Number | Description                                                                 | Peptide Count | q Value | Max Fold Change | Highest Mean Condition |
|------------------|-----------------------------------------------------------------------------|---------------|---------|-----------------|------------------------|
| Q8BTM8           | Filamin-A                                                                   | 3             | 0.0180  | 2.98            | mdx-4cv                |
| P16546           | Spectrin alpha chain, non-erythrocytic 1                                    | 5             | 0.0186  | 3.75            | mdx-4cv                |
| P63101           | 14-3-3 protein zeta/delta                                                   | 4             | 0.0186  | 2.23            | mdx-4cv                |
| Q8CI43           | Myosin light chain 6B                                                       | 2             | 0.0196  | 2.89            | mdx-4cv                |
| Q99P72           | Reticulon-4                                                                 | 2             | 0.0196  | 3.96            | mdx-4cv                |
| Q9D0S9           | Histidine triad nucleotide-binding protein 2, mitochondrial                 | 2             | 0.0199  | 2.15            | wt                     |
| P18826           | Phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform     | 3             | 0.0200  | 3.35            | mdx-4cv                |
| A2AUC9           | Kelch-like protein 41                                                       | 12            | 0.0201  | 2.97            | mdx-4cv                |
| Q9CRB9           | Coiled-coil-helix-coiled-helix domain-containing protein 3, mitochondrial   | 2             | 0.0202  | 2.28            | wt                     |
| Q8VDD5           | Myosin-9                                                                    | 4             | 0.0213  | 15.76           | mdx-4cv                |
| E9PZQ0           | Ryanodine receptor 1                                                        | 27            | 0.0213  | 3.72            | mdx-4cv                |
| Q9CQR4           | Acyl-coenzyme A thioesterase 13                                             | 2             | 0.0220  | 2.14            | wt                     |
| Q9D1G3           | Protein-cysteine N-palmitoyltransferase HHAT-like protein                    | 5             | 0.0221  | 6.55            | mdx-4cv                |
| O89104           | Synaptophysin-like protein 2                                                | 2             | 0.0222  | 3.73            | mdx-4cv                |
| Q9D0K2           | Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial            | 2             | 0.0222  | 2.61            | wt                     |
| Q9DB20           | ATP synthase subunit O, mitochondrial                                        | 4             | 0.0226  | 2.19            | mdx-4cv                |
| Q60605           | Myosin light polypeptide 6                                                  | 5             | 0.0227  | 2.10            | mdx-4cv                |
| P62806           | Histone H4                                                                  | 5             | 0.0227  | 3.28            | mdx-4cv                |
| P14094           | Sodium/potassium-transferring ATPase subunit beta-1                         | 2             | 0.0227  | 4.39            | mdx-4cv                |
| Q6PIE5           | Sodium/potassium-transferring ATPase subunit alpha-2                        | 6             | 0.0229  | 5.02            | mdx-4cv                |
| P15864           | Histone H1.2                                                                | 2             | 0.0230  | 3.28            | mdx-4cv                |
| P47911           | 60S ribosomal protein L6                                                    | 2             | 0.0232  | 2.59            | mdx-4cv                |
| P11404           | Fatty acid-binding protein FABP3, heart                                      | 5             | 0.0232  | 2.21            | wt                     |
| Q8BMS1           | Trifunctional enzyme subunit alpha, mitochondrial                           | 9             | 0.0232  | 3.25            | mdx-4cv                |
| O08532           | Voltage-dependent calcium channel subunit alpha-2/delta-1                   | 5             | 0.0235  | 3.03            | mdx-4cv                |
| P68433           | Histone H3.1                                                                | 3             | 0.0235  | 5.98            | mdx-4cv                |
| Q91V79           | Fat storage-inducing transmembrane protein 1                                | 2             | 0.0241  | 5.15            | mdx-4cv                |
| Q61425           | Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial                         | 2             | 0.0244  | 2.30            | mdx-4cv                |
| P14148           | 60S ribosomal protein L7                                                    | 3             | 0.0250  | 3.23            | mdx-4cv                |
| P15327           | Bisphosphoglycerate mutase                                                  | 3             | 0.0250  | 2.02            | wt                     |
| Q61292           | Laminin subunit beta-2                                                      | 5             | 0.0250  | 2.08            | mdx-4cv                |
| Q91VI7           | Ribonuclease inhibitor                                                      | 7             | 0.0250  | 2.49            | mdx-4cv                |
| P13542           | Myosin-8                                                                    | 4             | 0.0255  | 8.63            | mdx-4cv                |
Table S1. Cont.

| Accession Number | Description                                                                 | Peptide Count | q Value | Max Fold Change | Highest Mean Condition |
|------------------|------------------------------------------------------------------------------|---------------|---------|-----------------|------------------------|
| Q8BH59           | Calcium-binding mitochondrial carrier protein Aralar1                        | 7             | 0.0256  | 3.91            | mdx-4cv                |
| P07758           | Alpha-1-antitrypsin 1-1                                                     | 9             | 0.0256  | 2.94            | mdx-4cv                |
| Q9DC69           | NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial | 3             | 0.0257  | 2.26            | mdx-4cv                |
| O55103           | Periaxin                                                                     | 2             | 0.0259  | 2.67            | wt                     |
| Q9CZU6           | Citrate synthase, mitochondrial                                             | 5             | 0.0261  | 2.07            | mdx-4cv                |
| Q8VEM8           | Phosphatase carrier protein, mitochondrial                                  | 5             | 0.0261  | 3.22            | mdx-4cv                |
| Q8VDN2           | Sodium/potassium-transporting ATPase subunit alpha-1                        | 5             | 0.0262  | 6.07            | mdx-4cv                |
| P00405           | Cytochrome c oxidase subunit 2                                               | 3             | 0.0265  | 3.52            | mdx-4cv                |
| P62962           | Profilin-1                                                                   | 4             | 0.0265  | 2.49            | mdx-4cv                |
| P62908           | 40S ribosomal protein S3                                                     | 3             | 0.0265  | 4.16            | mdx-4cv                |
| P09542           | Myosin light chain 3                                                         | 8             | 0.0267  | 3.51            | wt                     |
| P05213           | Tubulin alpha-1B chain                                                       | 2             | 0.0267  | 2.30            | mdx-4cv                |
| Q62000           | Mimecan                                                                      | 7             | 0.0267  | 2.42            | mdx-4cv                |
| Q01339           | Beta-2-glycoprotein 1                                                        | 3             | 0.0269  | 4.11            | mdx-4cv                |
| P11087           | Collagen alpha-1(I) chain                                                   | 4             | 0.0271  | 5.92            | mdx-4cv                |
| P28654           | Decorin                                                                      | 5             | 0.0271  | 3.10            | mdx-4cv                |
| Q9JJW5           | Myozenin-2                                                                   | 2             | 0.0271  | 3.98            | wt                     |
| Q91X72           | Hemopexin                                                                    | 13            | 0.0273  | 2.58            | mdx-4cv                |
| P48962           | ADP/ATP translocase 1                                                        | 9             | 0.0274  | 2.86            | mdx-4cv                |
| P97823           | Acyl-protein thioesterase 1                                                  | 2             | 0.0274  | 3.96            | wt                     |
| Q9DBG6           | Dolichyl-diphosphooligosaccharide–protein glycosyltransferase subunit 2      | 2             | 0.0277  | 4.26            | mdx-4cv                |
| Q04857           | Collagen alpha-1(VI) chain                                                   | 3             | 0.0278  | 3.12            | mdx-4cv                |
| P13541           | Myosin-3                                                                     | 6             | 0.0278  | 2.71            | mdx-4cv                |
| P35980           | 60S ribosomal protein L18                                                    | 3             | 0.0279  | 2.42            | mdx-4cv                |
| P20918           | Plasminogen                                                                  | 2             | 0.0281  | 3.89            | mdx-4cv                |
| Q6ZWX6           | Eukaryotic translation initiation factor 2 subunit 1                         | 2             | 0.0282  | 2.28            | mdx-4cv                |
| P03921           | NADH-ubiquinone oxidoreductase chain 5                                       | 3             | 0.0285  | 6.28            | mdx-4cv                |
| Q9Z1E4           | Glycogen [starch] synthase, muscle                                           | 4             | 0.0291  | 2.33            | mdx-4cv                |
| P15626           | Glutathione S-transferase Mu 2                                                | 5             | 0.0291  | 2.13            | wt                     |
| Q8R429           | Sarcomplasmic/endoplasmic reticulum calcium ATPase 1                         | 39            | 0.0294  | 2.78            | mdx-4cv                |
| P41216           | Long-chain-fatty-acid–CoA ligase 1                                           | 5             | 0.0296  | 5.19            | mdx-4cv                |
| P35979           | 60S ribosomal protein L12                                                    | 3             | 0.0296  | 2.02            | mdx-4cv                |
| Q3MI48           | Junctional sarcoplasmic reticulum protein 1                                  | 3             | 0.0305  | 2.18            | mdx-4cv                |
| P51885           | Lumican                                                                      | 5             | 0.0305  | 2.07            | mdx-4cv                |
| P47963           | 60S ribosomal protein L13                                                    | 2             | 0.0325  | 2.31            | mdx-4cv                |
| P21981           | Protein-glutamine gamma-glutamyltransferase 2                                | 2             | 0.0325  | 8.77            | mdx-4cv                |
| Q9JJZ2           | Tubulin alpha-8 chain                                                        | 2             | 0.0328  | 2.10            | mdx-4cv                |
| Accession Number | Description                                                                 | Peptide Count | q Value  | Max Fold Change | Highest Mean Condition |
|------------------|-------------------------------------------------------------------------------|---------------|----------|-----------------|------------------------|
| P21107           | Tropomyosin alpha-3 chain                                                     | 3             | 0.0333   | 2.72            | wt                     |
| Q71LX4           | Talin-2                                                                       | 2             | 0.0333   | 3.69            | mdx-4cv                |
| Q9CZM2           | 60S ribosomal protein L15                                                     | 2             | 0.0335   | 2.52            | mdx-4cv                |
| Q9DBB8           | Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase Chaperone activity of bc1 complex-like, mitochondrial | 2             | 0.0367   | 2.02            | mdx-4cv                |
| Q60936           | Nucleoside diphosphate kinase B                                               | 3             | 0.0377   | 2.21            | wt                     |
| P51667           | Myosin regulatory light chain 2, ventricular/cardiac muscle isoform           | 2             | 0.0377   | 3.64            | wt                     |
| Q02053           | Ubiquitin-like modifier-activating enzyme 1 Mitochondrial 2-oxoglutarate/malate carrier protein | 2             | 0.0388   | 2.01            | mdx-4cv                |
| Q9CR62           | Heterogeneous nuclear ribonucleoprotein A3 Voltage-dependent anion-selective channel protein 2 | 2             | 0.0392   | 4.60            | mdx-4cv                |
| Q9WUZ5           | Troponin I, slow skeletal muscle                                              | 2             | 0.0403   | 2.50            | wt                     |
| Q6ZWV3           | 60S ribosomal protein L10                                                    | 2             | 0.0424   | 4.12            | mdx-4cv                |
| Q7TSH2           | Phosphorylase b kinase regulatory subunit beta                                | 2             | 0.0425   | 5.50            | mdx-4cv                |
| Q8VHX6           | Filamin-C                                                                     | 20            | 0.0444   | 2.07            | mdx-4cv                |
| P32848           | Parvalbumin alpha                                                            | 5             | 0.0457   | 3.95            | wt                     |
| Q8BG05           | Voltage-dependent anion-selective channel protein 2                          | 2             | 0.0458   | 2.28            | mdx-4cv                |

Reference

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