**Figure S2**

Genes >2-fold upregulated in FSHD vs. control myotubes

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FSHD-upregulated genes: relationship between gene expression in FSHD myotubes vs. non-muscle cell types to that in control myotubes vs. non-muscle cell types. This figure is analogous to the last one except that it shows genes with >2-fold upregulation ($p<0.01$) in FSHD vs. control myotubes. Fitted regression equation: $y = 1.47 + 1.06x$, where $x =$ CTL Mt vs non-muscle and $y =$ FSHD Mt vs non-muscle. The $R^2$ coefficient for the model is 0.82. The fitted line is shown in red, with the dashed y=x line included for reference. This figure illustrates that only a small percentage of the genes with upregulation in FSHD vs. control myotubes were downregulated in FSHD myotubes vs. 19 non-muscle cell types subject to identical expression profiling.