**Supplemental Data Figures legends**

**Supplemental Data Figure 1**

Exon deletions of dystrophin gene detected by 4 different multiplex PCR sets for 4 patients and compared with unaffected controls. (a) Detection by DHPLC. (b) Detection by gel electrophoresis. The DNA fragments were separated by 1.5 % agarose gel staining with ethidium bromide. Arrows indicate the deleted exons.

**Supplemental Data Figure 2**

Measured copy numbers of the dystrophin gene calculated from different test exon and reference exon ratio by multiplex PCR/DHPLC analysis. Unaffected females: the unaffected female individuals tested in this study; Carriers: the female carriers identified in the families with the DMD patients; Noncarrier: the female noncarrier identified in the families with the DMD patients.