**Supplemental Data Figure 4 Comparison between PCR-STR analysis and FISH analysis**

X-axis shows percentage of signals for the X chromosome by FISH analysis, while Y-axis shows the female percentage calculated from the peak heights obtained by PCR-STR analysis for vWF (A) or D5S818 (B).

The relationships [between the ratio of XX to XY signals (as a %) obtained by FISH analysis and % female obtained by PCR-STR analysis] were investigated by linear regression analysis. As shown, the linear regression equation for the vWF locus was: $y = 0.945x - 0.749$ ($r = 0.996$), while that for the D5S818 locus was: $y = 0.984x - 2.293$ ($r = 0.998$).