**Supplementary Figures**

**Supplementary Figure S1.** Age-related decline in sensitivity (dB per decade) at each test location within the 24-2 test grid following linear regression analysis of the 500 normal subjects with SITA-Standard VF results. These results were used to convert the sensitivity results into a 50 year-old equivalent patient for pooling and analysis.
**Supplementary Figure S2.** Comparison of the central tendency statistics (arithmetic and geometric mean) when using the complete data set and when outliers were removed for SITA-Standard and full threshold VF results. Although there were statistically significant differences between the arithmetic and geometric mean (paired t-test, $p < 0.0001$), the magnitude of difference was unlikely to be clinically significant (SITA-Standard, complete data set, mean difference: $0.09 \pm 0.01$ dB; SITA-Standard, outliers removed, mean difference: $0.08 \pm 0.01$ dB; full threshold, complete data set, mean difference: $0.08 \pm 0.01$ dB; full threshold, outliers removed, mean difference: $0.07 \pm 0.003$ dB).