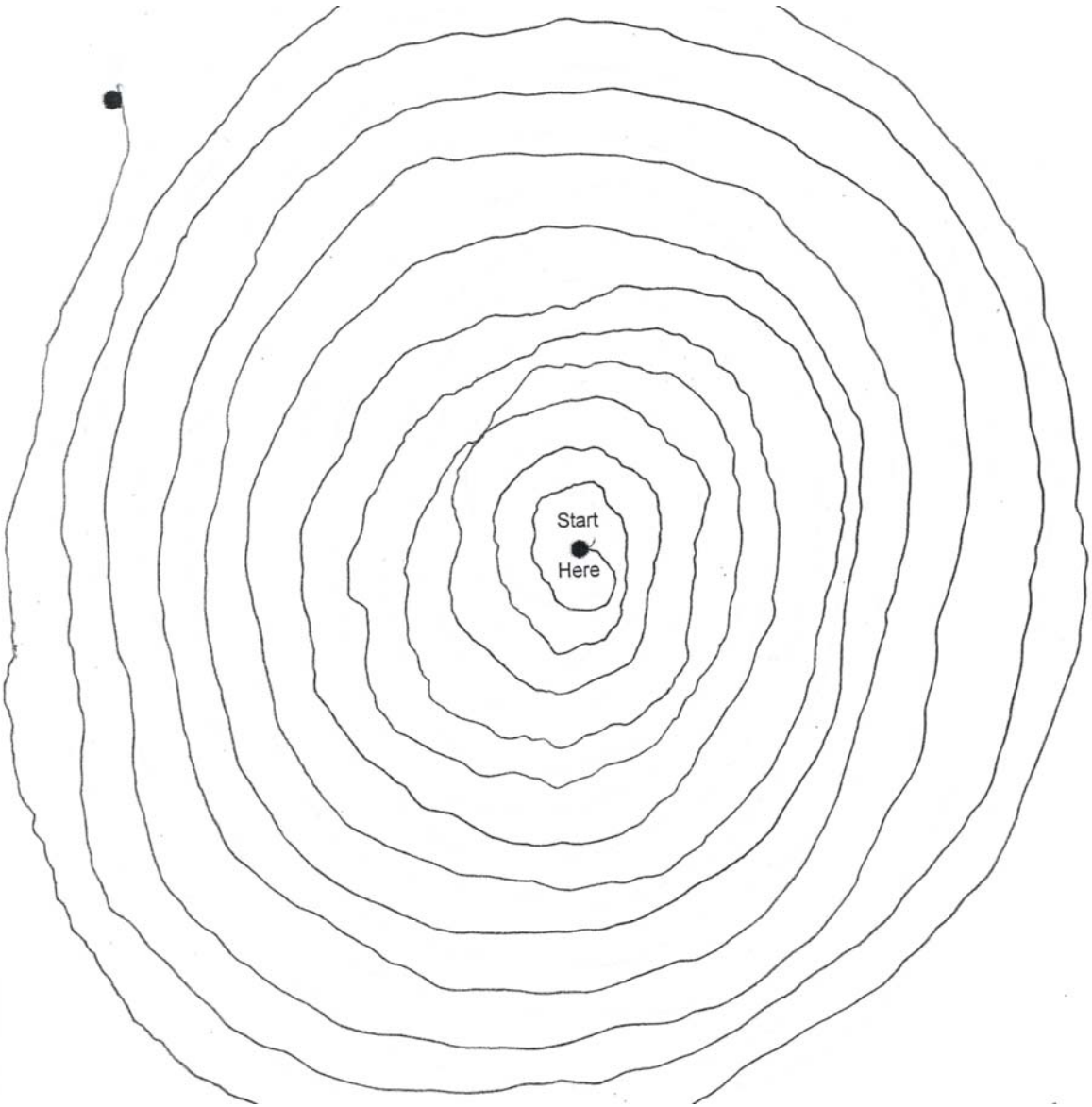
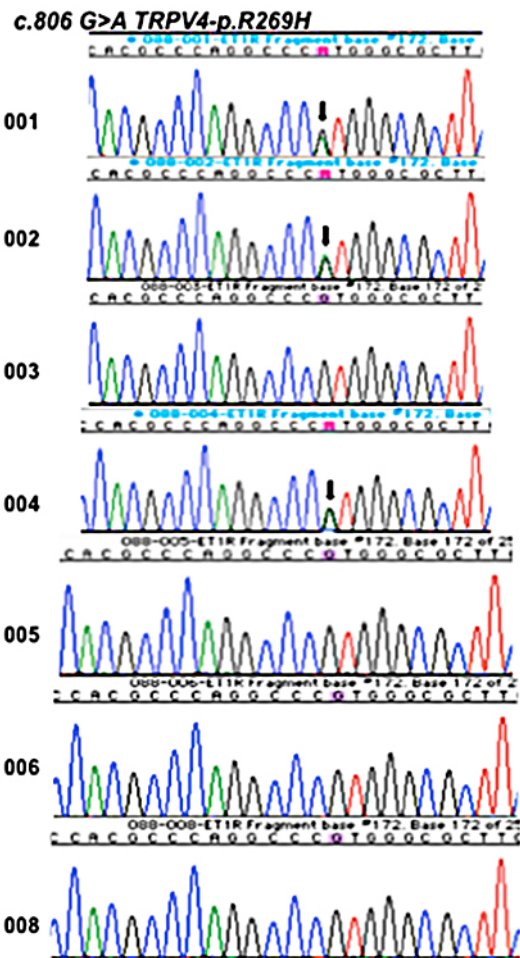


Supplementary Figure 1. Archimedes spiral drawn with the left arm (subject II.5).



Supplementary Figure 2. Archimedes spiral drawn with the right arm (subject III.2).



Supplementary Figure 3. The electropherograms of the TRPV4 c.806G>A (p.R269H) mutations and wild-type alleles in family members 001 (III.6), 002 (III.2), 003 (III.4), 004 (III.10), 005 (III.11), 006 (III.8) and 008 (II.5).