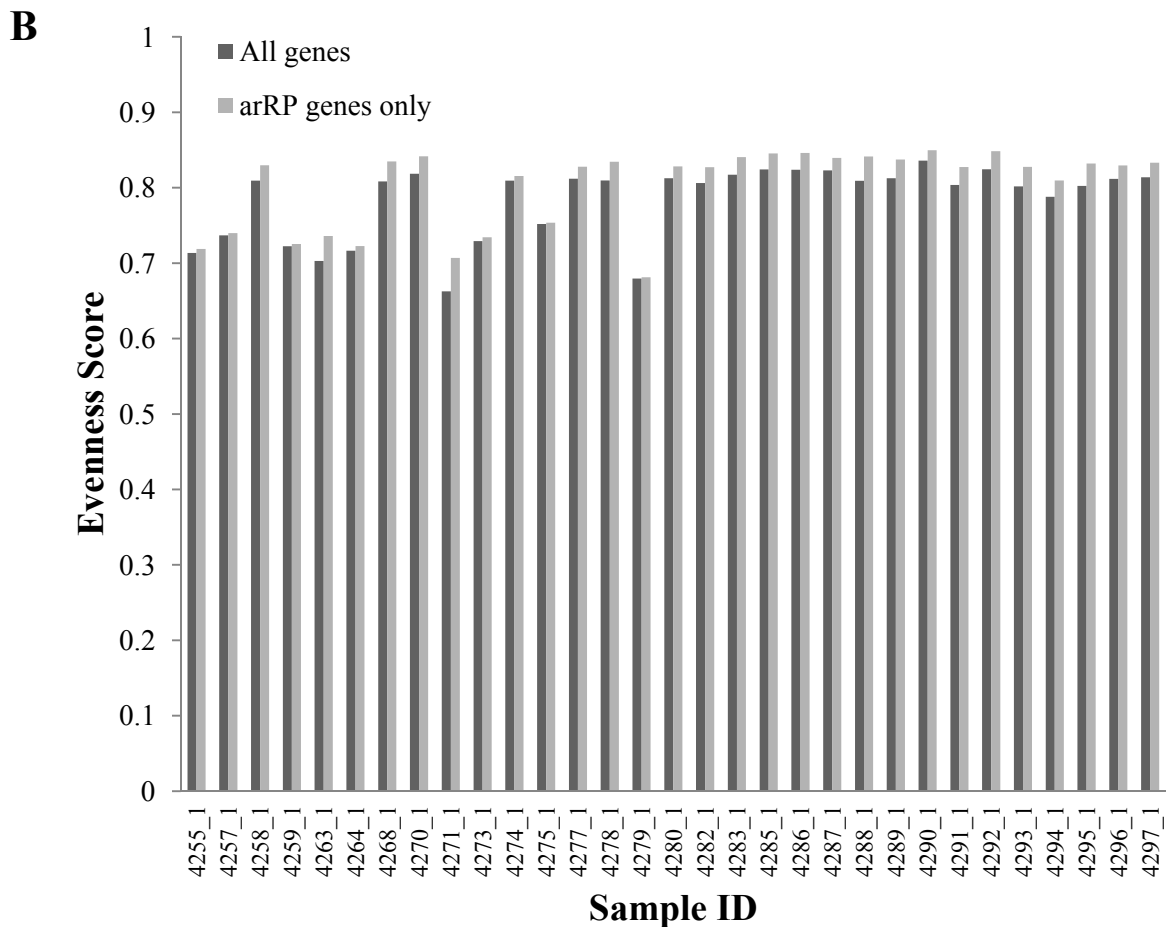
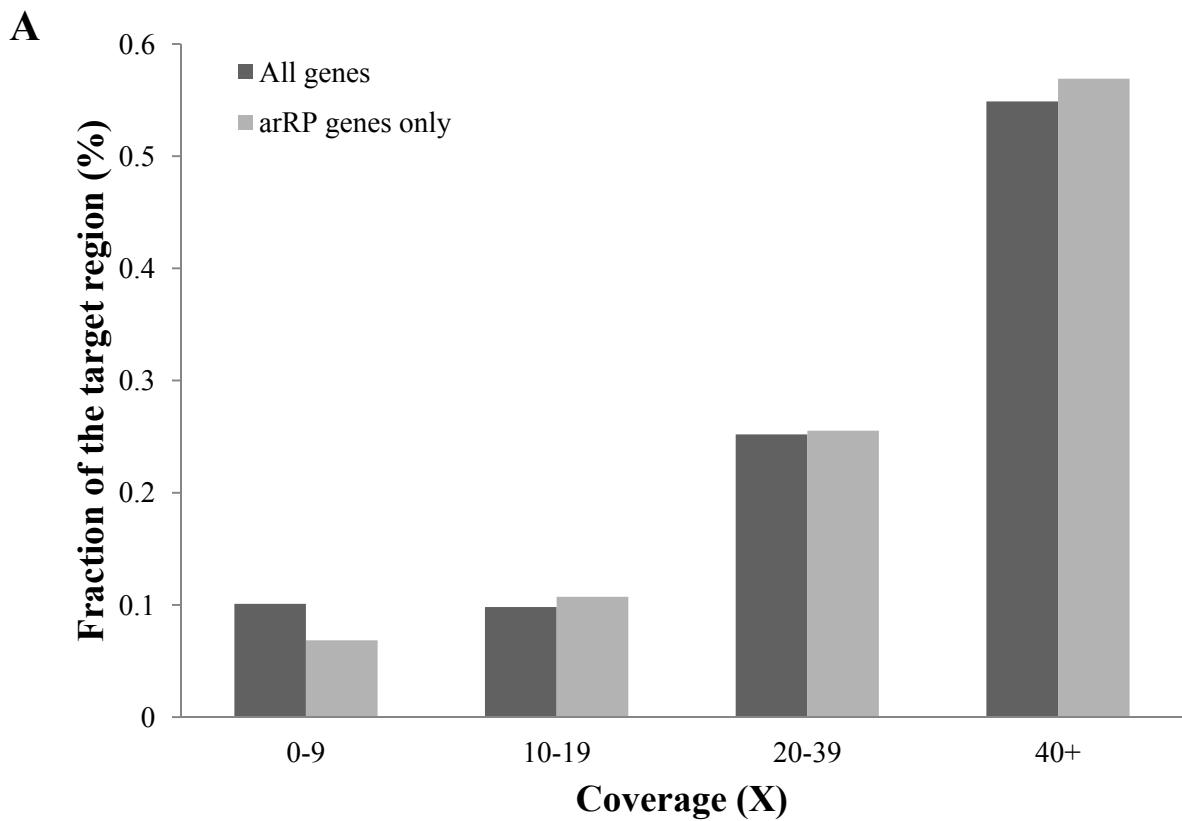


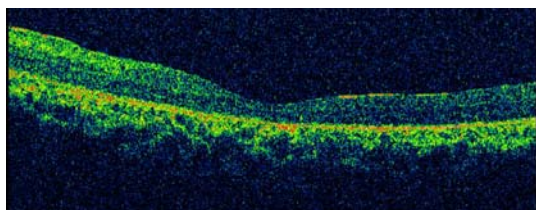
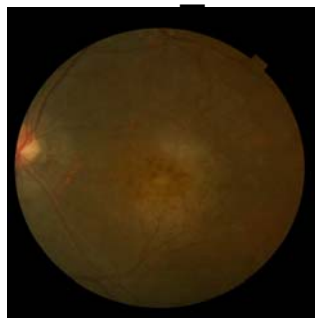
Supplemental figure 1. Pedigrees of all 31 families. Arrows show family members who underwent capture-NGS based molecular diagnosis.



Supplemental figure 2. High quality sequencing results were obtained. A. The distribution of target region from all 163 retinal disease genes (black) or 29 arRP genes only (grey) under different range of coverage. B. The evenness score of each sample calculated based on targeted regions from all 163 retinal disease genes (black) or 29 arRP genes only (grey).

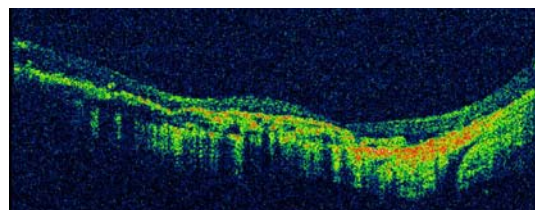
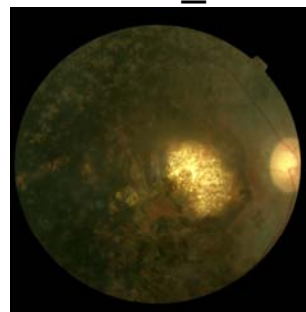
A

4263_1



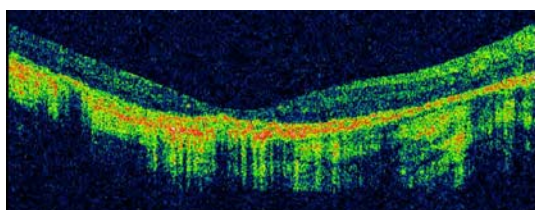
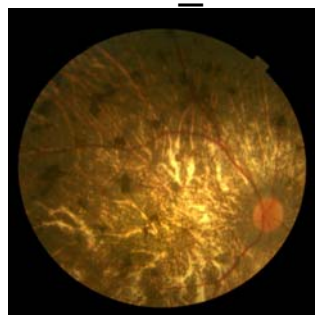
B

4279_1



C

4293_1



Supplemental figure 3. Fundus images and OCTs of patients 4263_1, 4279_1 and 4293_1. A. Fundus image (up) and OCT (down) of patient 4263_1. B. Fundus image (up) and OCT (down) of patient 4279_1. C. Fundus image (up) and OCT (down) of patient 4293_1.