

Title: Supplementary Data 1

Description: Genes included in each gene list.

Title: Supplementary Data 2

Description: Damaged SysCilia, Cilia, and FoxJ1 genes in PCGC probands

Title: Supplementary Data 3

Description: Genes with damaging recessive variation in two or more probands

Title: Supplementary Data 4

Description: P-value estimates for enrichment tests

Title: Supplementary Data 5

Description: Statistics, Z-scores, and P-values for standardized distributions

Title: Supplementary Data 6

Description: Sanger confirmation of de novo and inherited compound heterozygotes

Title: Supplementary Data 7

Description: Five-component ancestry estimates for PCGC probands