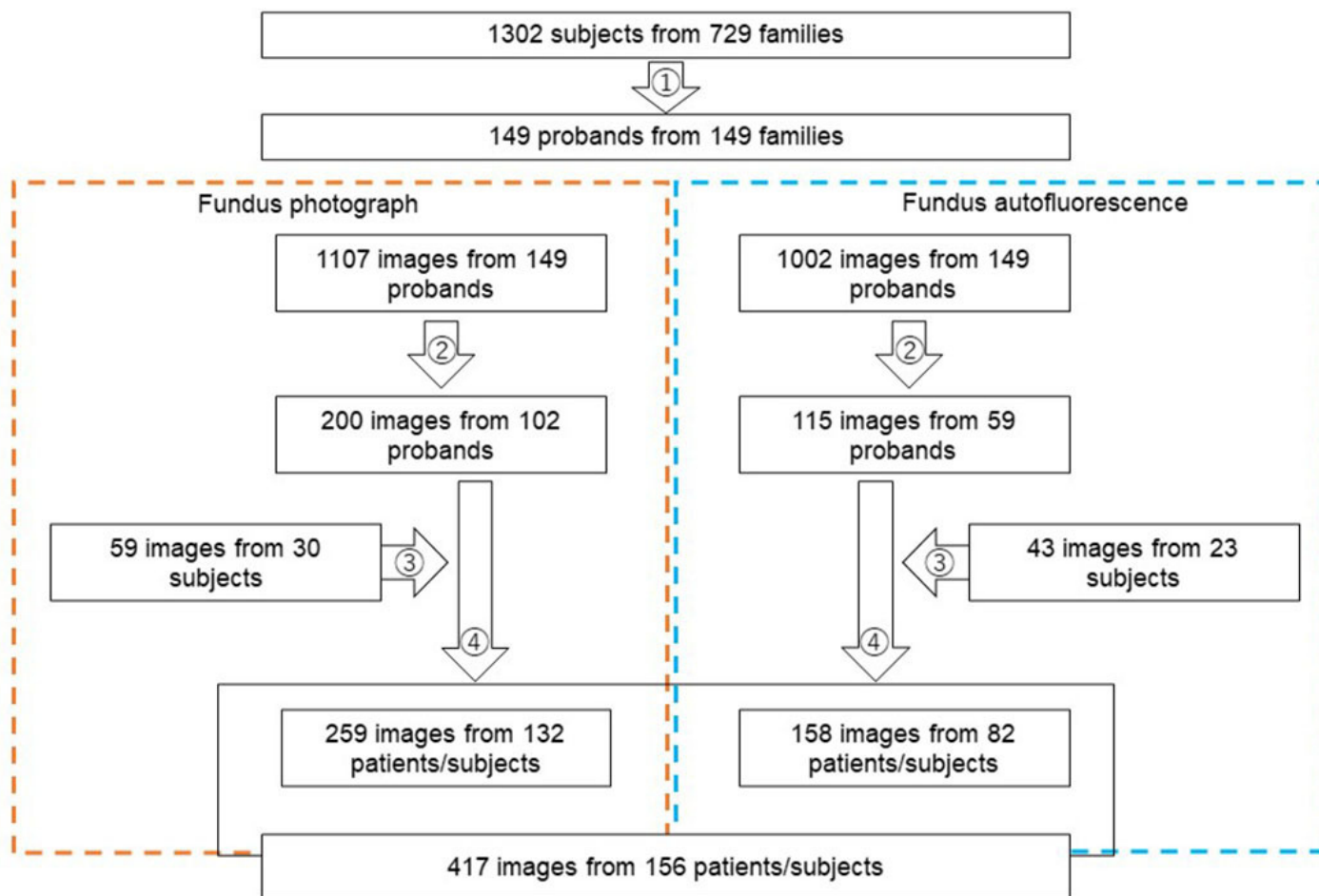## Supplemental Figure 2: The detailed filtration/selection flow of the examined images

The filtration/selection process include ① selecting three genes (*ABCA4, EYS, RP11L1*) based on the disease prevalence, ②selecting one image from one eye by an expert, ③selecting normal images by an expert (excluding images with inadequate dataset/quality), and ④fixing the dataset for machine learning.