

Supplemental Table 2. Summary of training accuracy results based on fundus autofluorescence imaging

Trial 1.	Accuracy	Sensitivity	Specificity
<i>ABCA4</i>	-	100%	100%
<i>EYS</i>	-	100%	100%
<i>RP1L1</i>	-	100%	100%
Normal	-	100%	100%
Total	100%	100%	100%
Trial 2.	Accuracy	Sensitivity	Specificity
<i>ABCA4</i>	-	100%	89%
<i>EYS</i>	-	57%	100%
<i>RP1L1</i>	-	70%	100%
Normal	-	100%	87%
Total	81%	82%	94%
Trial 3.	Accuracy	Sensitivity	Specificity
<i>ABCA4</i>	-	100%	96%
<i>EYS</i>	-	86%	100%
<i>RP1L1</i>	-	100%	96%
Normal	-	86%	100%
Total	94%	93%	98%
Trial 4.	Accuracy	Sensitivity	Specificity
<i>ABCA4</i>	-	100%	96%
<i>EYS</i>	-	80%	100%
<i>RP1L1</i>	-	70%	100%
Normal	-	100%	86%
Total	88%	88%	95%

Evaluations were conducted with a randomised 4-fold cross-validation method, and the accuracy of concordance (aimed >80%) between the genetic diagnosis and the machine diagnosis was calculated through the training to the fixed API for further testing.