## TGFB1 as a Susceptibility Gene for High Myopia

### A Replication Study With New Findings

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### eTable. TGFB1 SNPs: Genotyping Methods, Primers, and Key Reaction Conditions for PCR

<table>
<thead>
<tr>
<th>SNP</th>
<th>Genotyping Method</th>
<th>Primer Names: Sequences (5'→3')</th>
<th>Magnesium Chloride Concentrations, mM</th>
<th>Primer Concentrations, µM</th>
<th>T&lt;sub&gt;m&lt;/sub&gt;, °C</th>
</tr>
</thead>
</table>
| rs1800469 (S1) | RFLP by HpyF3I | F: GGC CCA GTT TCC CTA TCT GTA  
R: ACA CAG GGG AGC CGA CCA | 2.5 | 0.1 | 59 |
| rs1800470 (S2) | RFLP by MspA1 | F: GCC TCC CCA CCA CAC CAG  
R: GCC GCA GCT TGG ACA GGA | 1.5 | 0.3 | 60 |
| rs2241716 (S3) | 2-Tube AS-PCR | FAS-G: GCC GGC AGG GCG GC ACC TAG ATG GTG CCT GCA G  
FAS-A: GCC GGC CAC CAT GAG GGT CCC TGA AA  
Rc: GCC TTC TAG GAT TGT ATG GTT TGT G | 2.0 | 0.2 | 56 |
| rs4803455 (S4) | RFLP by TasI | F: GCT CAC TGC AAC CTC TGT GT  
R: TGC AAA TTT GAC ACC CTG AAT TCT CA | 2.5 | 0.1 | 56 |
| rs11466345 (S5) | PE | F: GTG TTG GTC TTT CGT CAG  
R: GAC CTC AAG TGA TCC ACC T | 1.5 | 0.1 | 62 |
| rs12983047 (S6) | RFLP by Alw26I | F: GAS TGG GGA GGC AGG AGT T  
R: ATT GGT GGG TGA GAG AAG GGC | 2.5 | 0.1 | 59 |
| rs10417924 (S7) | PE | F: ACA AAC ACA AGG AAC TAC CAC G  
R: ATT GGT GGG TGA GAG AAG GGC | 2.5 | 0.1 | 56 |
| rs12981053 (S8) | Single-tube AS-PCR | RAS-C: GCC GGC AGG GCG GC TTC TGA GCA TGT TTG TCT ACG  
RAS-T: GCC GGC TAT TCG TGG CAT GTG TGG CTA  
Fc: CAC TGA GCA CCA CAG GCA T | 2.0 | 0.2 | 53 |

Abbreviations: AS-PCR, allele-specific polymerase chain reaction (PCR); PE, primer extension; RFLP, restriction fragment length polymorphism; SNP, single nucleotide polymorphism; T<sub>m</sub>, annealing temperature.

a The SNPs are listed in order from the 5' end to the 3' end of the *TGFB1* gene and are also designated as S1 to S8 in this order for the sake of easy reference in the text.

b Primer names are indicated before the colon. Names starting with F indicate forward primers; names with R, reverse primers.

c For rs11466345, the primer for PE is 5' GCC AGG TAT GGT GTC TGG TCG 3'.

d For rs10417924, the primer for PE is 5' GTT TGG TAT GGA TGG TGT TGT CT 3'.

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