# Table of Contents

I - Background, Methods & Data Collection

1. Migraine epidemiology and pathophysiology ........................................ 9
2. Genetic epidemiology - how to quantify, localize and identify genetic influences on human traits ................................................................. 29
3. Data collection ...................................................................................... 67
4. Personality, health and lifestyle in a questionnaire family study: a comparison between highly cooperative and less cooperative families ...... 83

II - Migraine Heritability & Comorbidity with Depression

5. Migraine with aura and migraine without aura are not distinct entities: further evidence from a large Dutch population study .................... 101
6. Migraine symptomatology and major depressive disorder ............... 127
7. The shared genetics of migraine and anxious depression ............ 149

III - Gene-finding for Migraine

8. A genome-wide linkage scan provides evidence for both new and previously reported loci influencing common migraine ................... 173
9. Genome-wide association for migraine in six population-based European cohorts .................................................................................. 199

10. Summary & general discussion .......................................................... 231
Nederlandse samenvatting ................................................................. 249
Acknowledgments .................................................................................. 257
List of publications ................................................................................. 261
Dankwoord ........................................................................................... 265