

## Supplement files

## Supplement file 1

Extensive overview of genes tested after presentation with TMA:

- Complement Factor I (NM\_000204.5)
- CD46 (MCP; NM\_002389.4 and NM\_172359.2)
- Complement Factor B (NM\_001710.6)
- C3 (NM\_000064.4)
- DGKE (NM\_0003647.2)
- Complement Factor H (NM\_000186.3)
- Complement factor H risk haplotype c.-331C>T (rs3753394), c.2016A>G (rs3753396) en c.2808G>T (rs1065489) (PMID: 14583443)
- MCP risk haplotype GGAAC c.-652G (rs2796267), c.-366G (rs2796268), c.989-78A (rs1962149), c.1127+638A (rs859705) en c.\*897C (rs7144)
- MLPA ((Multiplex Ligation-dependent Probe Amplification, P236 CFH Region of MRC Holland) complement factor H combined with 20 home made probes to cover the CFH operon properly and screen for deletions and/or duplications in factor H operon on these positions.

## Supplement file 2

For the literature search we used the following search terms in Pubmed:

"Exosome Multienzyme Ribonuclease Complex"[Mesh] OR "EXOSC9 protein, human" [Supplementary Concept] OR "EXOSC3 protein, human" [Supplementary Concept] OR "EXOSC7 protein, human" [Supplementary Concept] OR "EXOSC1 protein, human" [Supplementary Concept] OR "EXOSC2 protein, human" [Supplementary Concept] OR "EXOSC 10 protein, mouse" [Supplementary Concept] OR "EXOSC5 protein, human" [Supplementary Concept] OR "EXOSC8 protein, human" [Supplementary Concept] OR "EXOSC4 protein, human" [Supplementary Concept] OR "EXOSC10 protein, human" [Supplementary Concept] OR "DIS3 protein, human" [Supplementary Concept] OR "EXOSC1\*" [tiab] OR "EXOSC2\*" [tiab] OR "EXOSC3\*" [tiab] OR "EXOSC4\*" [tiab] OR "EXOSC5\*" [tiab] OR "EXOSC6\*" [tiab] OR "EXOSC7\*" [tiab] OR "EXOSC8\*" [tiab] OR "EXOSC9\*" [tiab] OR "Exosome Complex\*" [tiab] OR "Exosome Component\*" [tiab] OR "RNA Exosome" [tiab] OR "Pontocerebellar Hypoplasia Type 1" [Supplementary Concept] OR "pontocerebellar hypoplasia\*" [tiab] AND "Thrombotic Microangiopathies"[Mesh] OR "Hemolytic Uremic Syndrome\*" [tiab] OR "HUS" [tiab] OR "HUSs" [tiab] OR "aHUS" [tiab] OR "Thrombotic Microangiopath\*" [tiab] OR "Thrombocytopenia\*" [tiab] OR "Thrombopenia\*" [tiab]

We received 3 hits of which 2 describe *EXOSC* mutations and aHUS and one article discusses *TSEN2* mutation and aHUS.