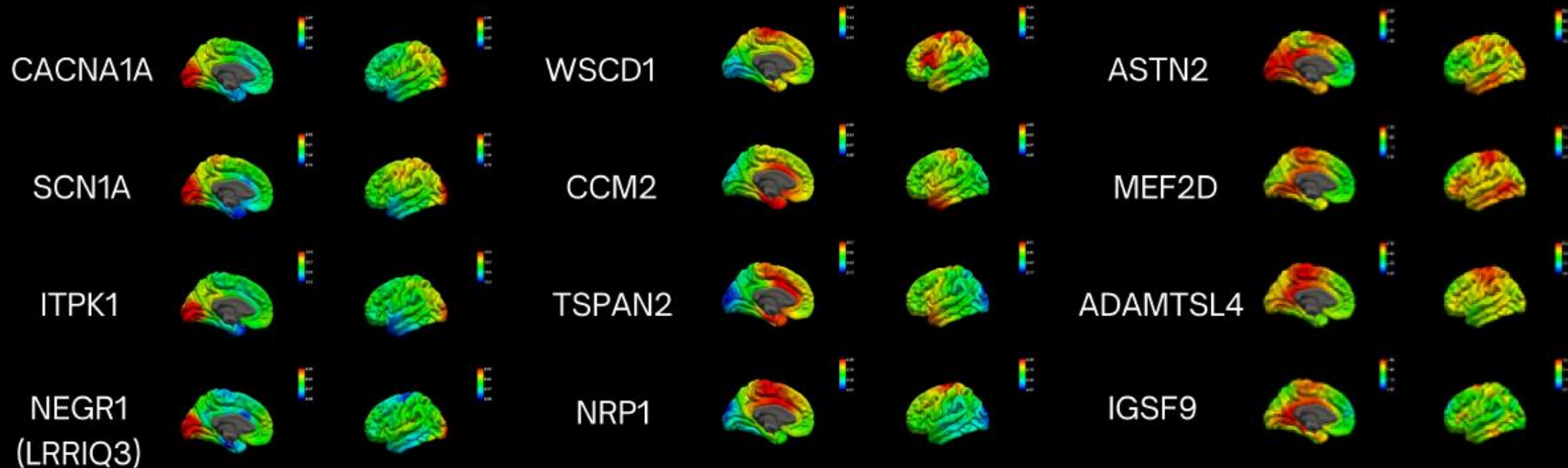


# Analysing cortical expression patterns of migraine-associated genes: a new perspective on migraine genetics

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- We evaluated cortical expression patterns of migraine-associated genes seeking for additional information on migraine genetics.
- Gene expression models were grouped based on their similarity using neural network clustering.
- Numerous genes exhibit similar expression patterns. Marked contrasts in regions implicated in migraine were observed in most cases.
- Gain or loss of function of migraine-associated genes could produce focal functional alterations.
- A new paradigm including both gene function and topographic expression might be superior to currently disseminated approaches.
- Translational studies are warranted.



exemplary gene maps in clusters