

Sanger Sequencing of SNPs in the *MAP2K3*

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Summary

We genotyped by Sanger sequencing 3 single nucleotide polymorphisms located in the *MAP2K3* gene (rs2363221, rs2230435, rs736103) in 22 ADNI control samples. The samples were selected using this criteria:

Adults ≥ 80 years who scored within the average-for-age normative range on all cognitive tests, including episodic memory.

Method

The PCR reactions were performed in 25 μ L with AmpliTaq Gold system according to protocol (Applied Biosystems GmbH, Weiterstadt, Germany). Each sample underwent PCR separately for SNPs rs2363221, rs2230435, rs736103 using the primers (5'-3') Fwd: CTGCTATGAGGCTGGAGTATG + Rev: ACCTCATGCCTTGGGATTT, Fwd: CTGTCATGAGTGTGGGTGTT + Rev: ACCTTCCGTGTCAACTTTAGG, and Fwd: TGTCTGCACCAGGATTGTTAG + Rev: CACCTTTCTCAGGACAGAAGTC, respectively. PCR reactions were purified with Agencourt AMPure XP PCR purification (Beckman-Coulter) at a sample/bead ratio of 1:1.8 and sequenced.



Dataset Information

This methods document applies to the following dataset(s) available from the ADNI repository:

Dataset Name	Date Submitted
MAP2K3 Genotyping	18 December, 2017

NOTE: Genotypes we were not able to read with enough confidence are marked "NC" in the dataset. "NC" means "not characterized".

About the Authors

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