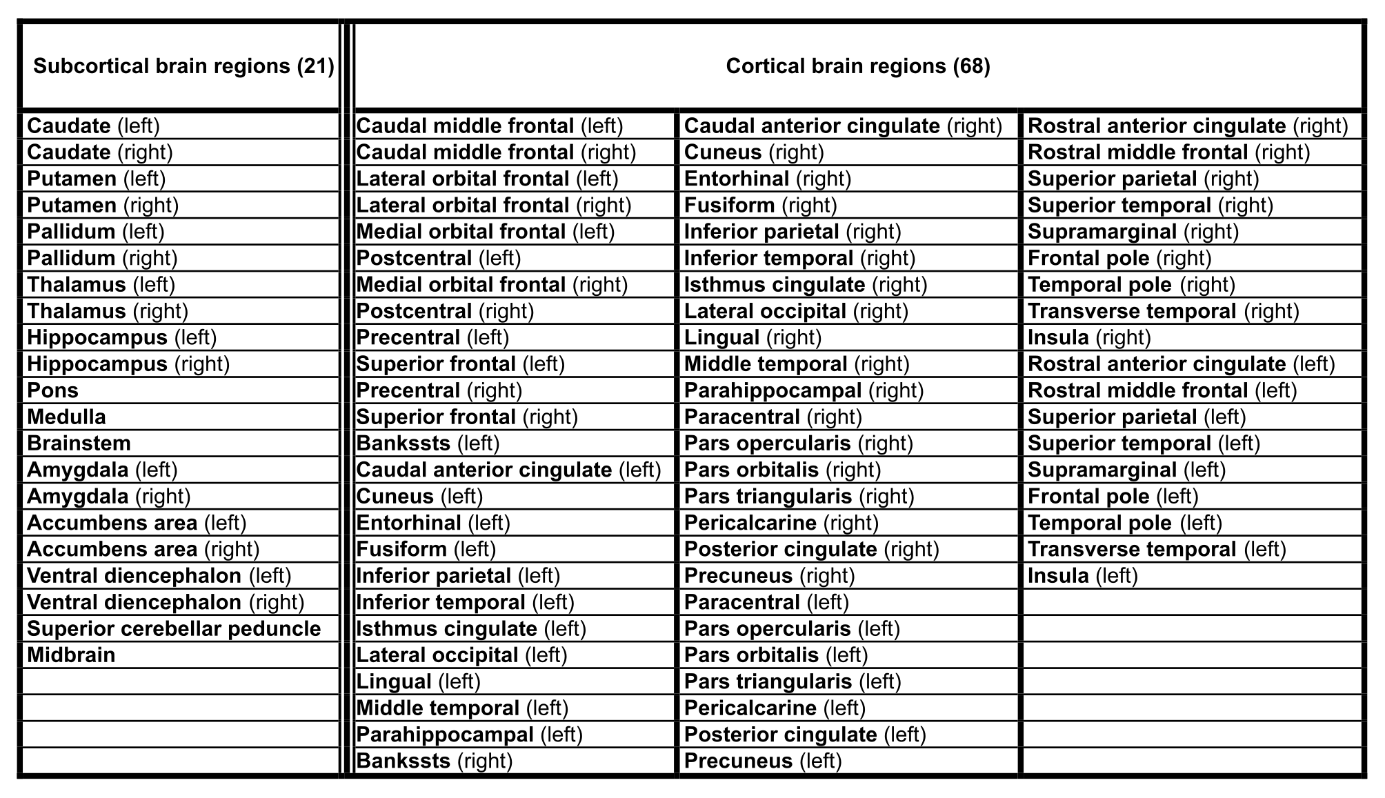
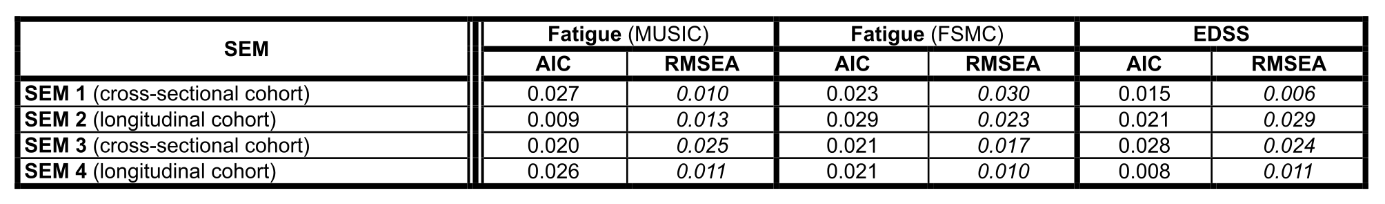
**Supplementary Tables**

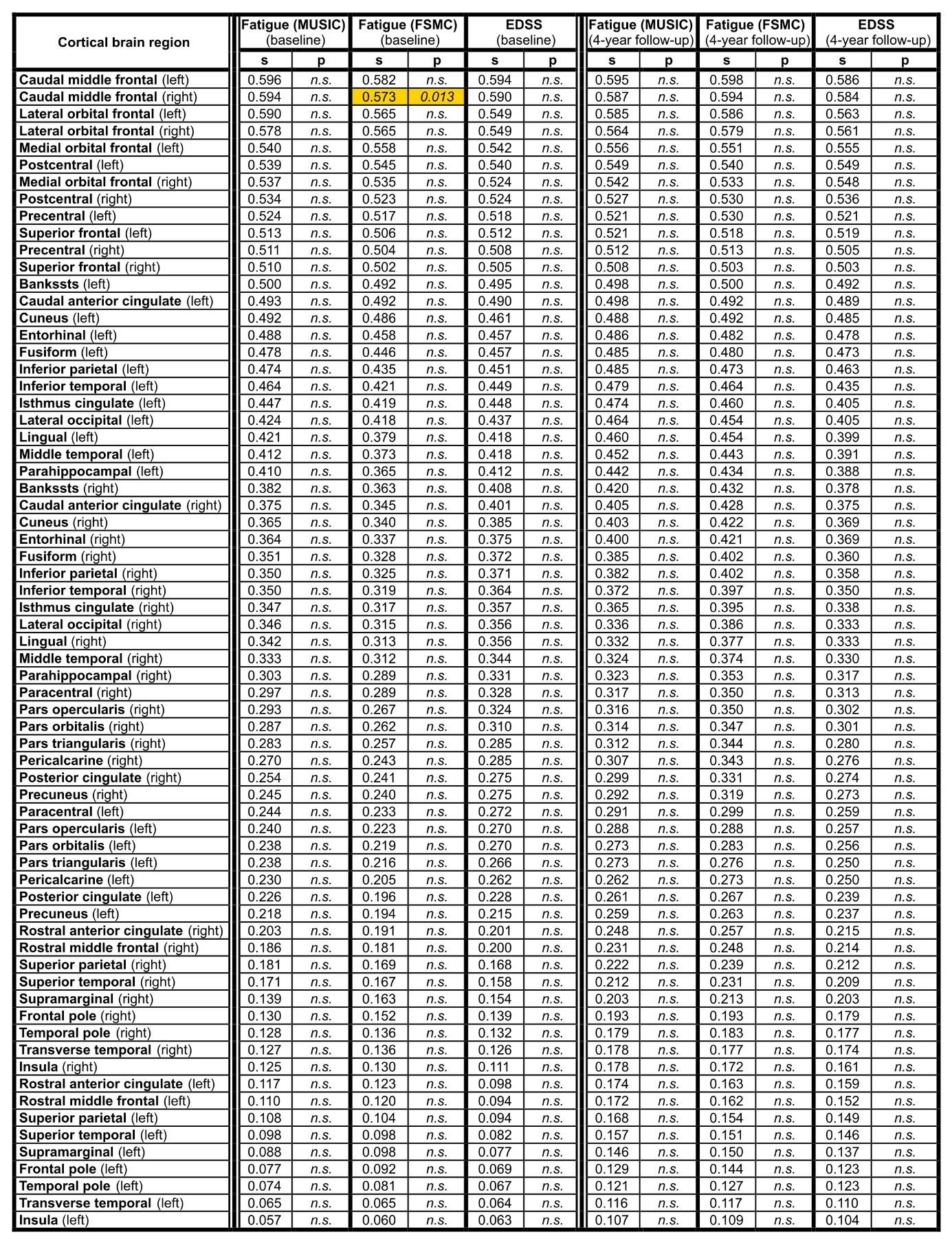
**Subcortical volumes as early predictors of fatigue in multiple sclerosis**

Running title:Early MRI predictors of fatigue

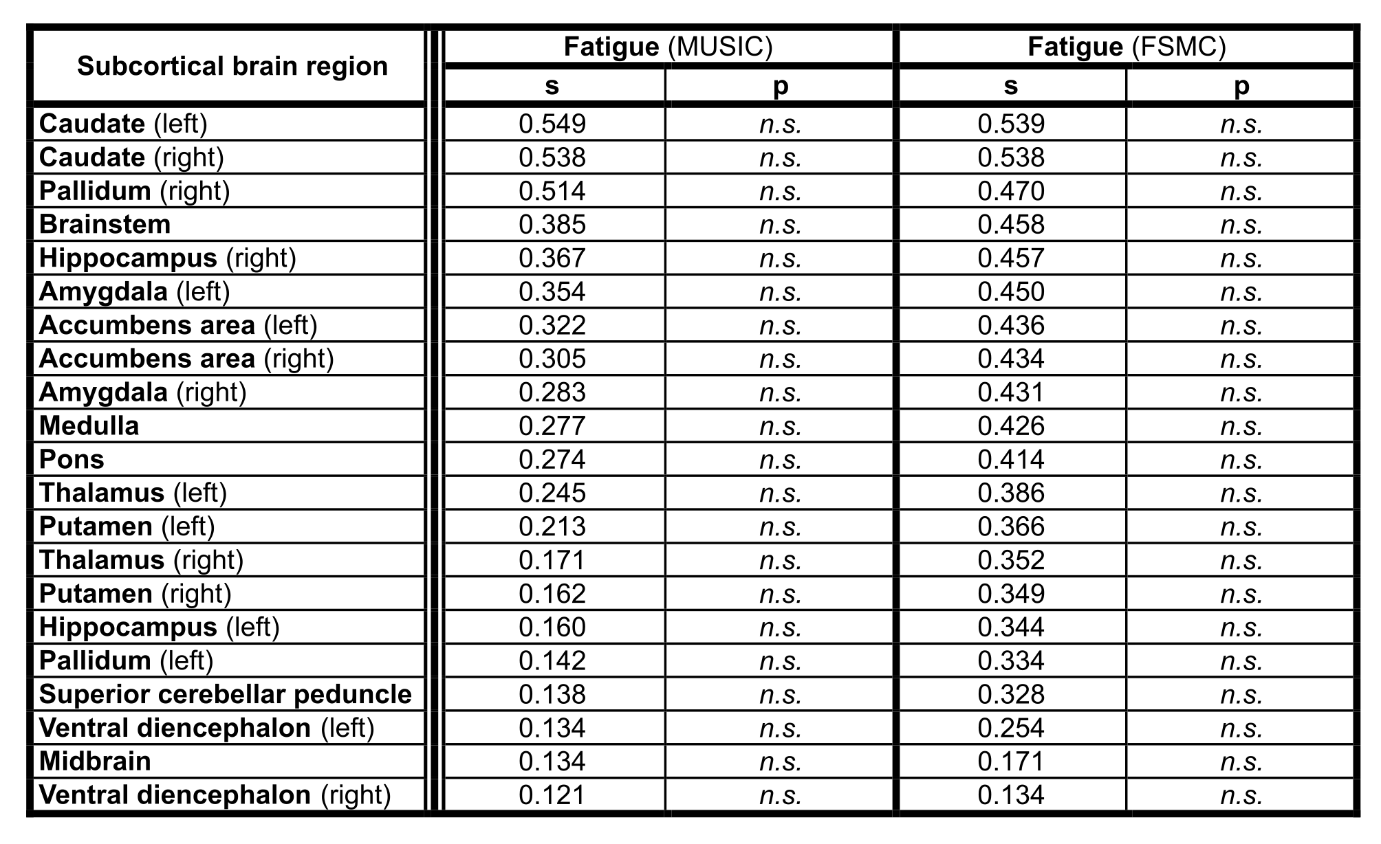
Fleischer *et al.*

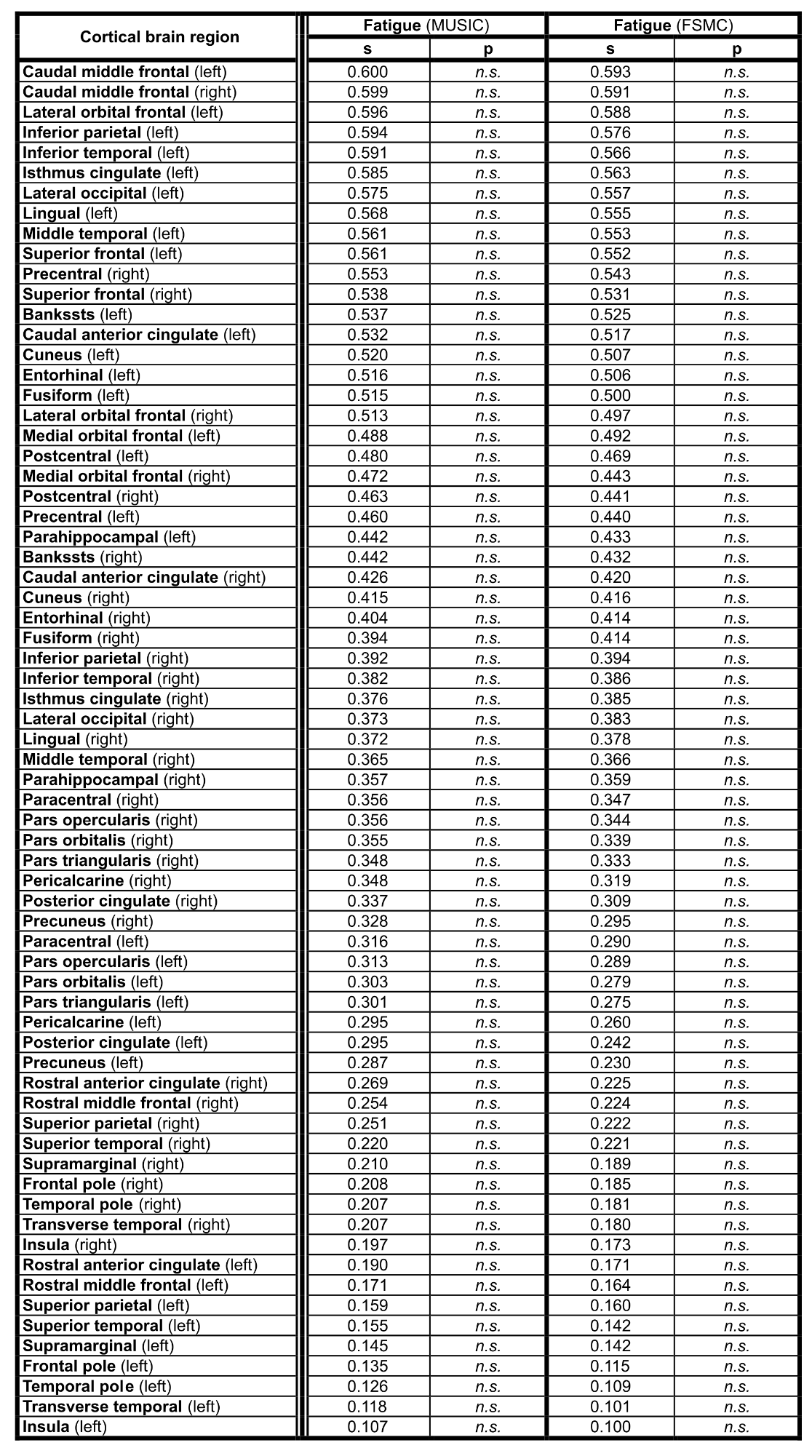
**Table S1. List of subcortical and cortical brain regions.** In total, 21 subcortical brain regions and 68 cortical brain regions were included in the SEM analysis and in the structural covariance network analysis.

**Table S2. Akaike Information Criterion (AIC) and Root Mean Square Error of Approximation (RMSEA).** The AIC and RMSEA are given for all SEM models, each in the cross-sectional and longitudinal approach.

**Table S3:** **Cortical brain regions: Structural equation modeling (SEM) results of the cross-sectional (n=601) and longitudinal (n=230) MS cohort.** Association between 68 cortical brain volumes and fatigue (subscale of MUSIC and FSMC) and EDSS scores at baseline and at 4-year follow-up. Significant associations are colored in the table (standardized coefficient = s).

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**Table S4. Subcortical structural equation modeling (SEM) results of the healthy control cohort (n=89).** Association between 21 subcortical brain volumes and fatigue (subscale of MUSIC and FSMC) at the time point of MRI (standardized coefficient = s).

**Table S5. Cortical structural equation modeling (SEM) results of the healthy control cohort (n=89).** Association between 68 cortical brain volumes and fatigue (subscale of MUSIC and FSMC) at the time point of MRI (standardized coefficient = s).