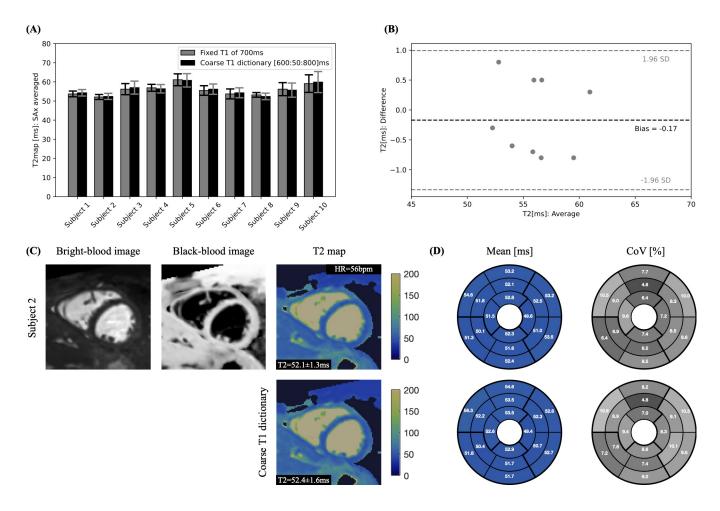


## Supplementary Material

**1 SUPPLEMENTARY DATA** 

## 2 SUPPLEMENTARY TABLES AND FIGURES

2.1 Figures



**Figure S1.** Comparison of averaged SAx  $T_2$  values generated with fixed and coarse dictionary  $T_1$  using bar chart (**A**) and Bland-Altman plot (**B**) across all subjects. **C**: Bright- and black -blood images with co-registered  $T_2$  maps shown for a healthy subject using both methods without any visual difference. D: Bull's-eye plots for mean  $T_2$  values and CoVs.