MASiVar: Multisite, Multiscanner, and Multisubject Acquisitions for Studying Variability in Diffusion Weighted Magnetic Resonance Imaging

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Supplementary Materials

Supplementary Table 1 provides a list of the 43 white matter bundles investigated with the RecoBundles method and their abbreviations. Supplementary Figures 1 through 9 illustrate the region- and bundle-wise bootstrapped scan/re-scan discrepancies for additional analyses in the same vein as in Figure 4 in the manuscript.

**Supplementary Table 1.** List of 43 white matter bundles investigated with the RecoBundles method.

| Name	Abbreviation
Arcuate Fasciculus (Left)	AF L
Arcuate Fasciculus (Right)	AF R
Frontal Aslant Tract (Left)	AST L
Frontal Aslant Tract (Right)	AST R
Cerebellum (Left)	CB L
Cerebellum (Right)	CB R
Corpus Callosum, Major Forceps	CC ForcepsMajor
Corpus Callosum, Minor Forceps	CC ForcepsMinor
Corpus Callosum, Full	CC
Corpus Callosum, Mid	CCMid
Corticospinal Tract (Left)	CST L
Corticospinal Tract (Right)	CST R
Central Tegmental Tract (Left)	CTT L
Central Tegmental Tract (Right)	CTT R
Extreme Capsule (Left)	EMC L
Extreme Capsule (Right)	EMC R
Fronto-pontine Tract (Left)	FPT L
Fronto-pontine Tract (Right)	FPT R
Inferior Fronto-occipital Fasciculus (Left)	IFOF L
Inferior Fronto-occipital Fasciculus (Right)	IFOF R
Inferior Longitudinal Fasciculus (Left)	ILF L
Inferior Longitudinal Fasciculus (Right)	ILF R
Middle Cerebellar Peduncle	MCP
Middle Longitudinal Fasciculus (Left)	MdLF L
Middle Longitudinal Fasciculus (Right)	MdLF R
Medial Longitudinal Fasciculus (Left)	MLF L
Medial Longitudinal Fasciculus (Right)	MLF R
Medial Lemniscus (Left)	ML L
Medial Lemniscus (Right)	ML R
Occipito-pontine Tract (Left)	OPT L
Occipito-pontine Tract (Right)	OPT R
Optic Radiation (Left)	OR L
Optic Radiation (Right)	OR R
Parieto-pontine Tract (Left)	PPT L
Parieto-pontine Tract (Right)	PPT R
Superior Longitudinal Fasciculus (Left)	SLF L
Superior Longitudinal Fasciculus (Right)	SLF R
Spinothalamic Tract (Left)	STT L
Spinothalamic Tract (Right)	STT R
Temporo-pontine Tract (Left)	TPT L
Temporo-pontine Tract (Right)	TPT R
Uncinate Fasciculus (Left)	UF L
Uncinate Fasciculus (Right)	UF R
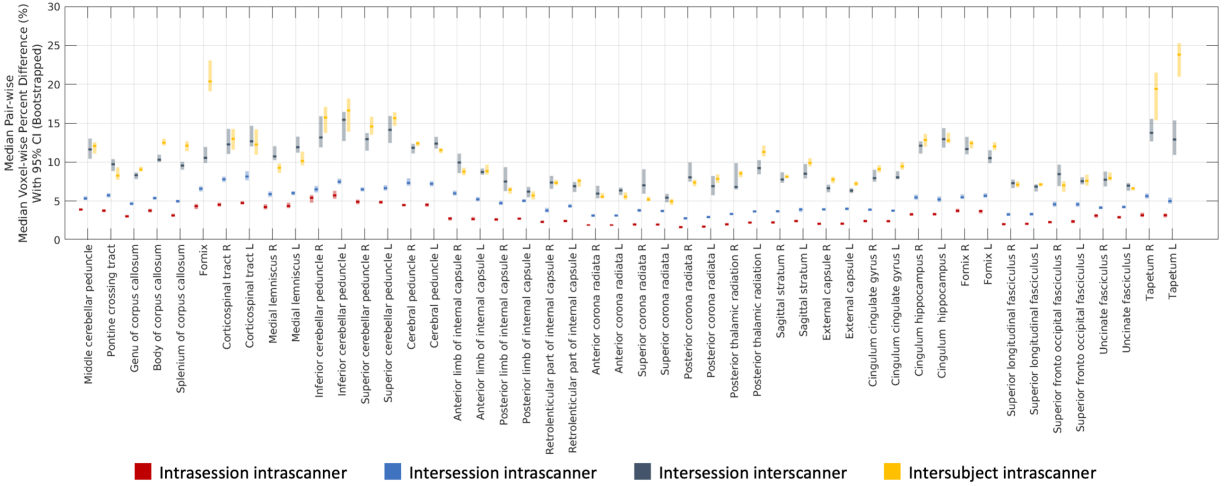
Supplementary Figure 1. Bootstrapped scan/re-scan discrepancies of MD across 48 Johns Hopkins white matter atlas regions.
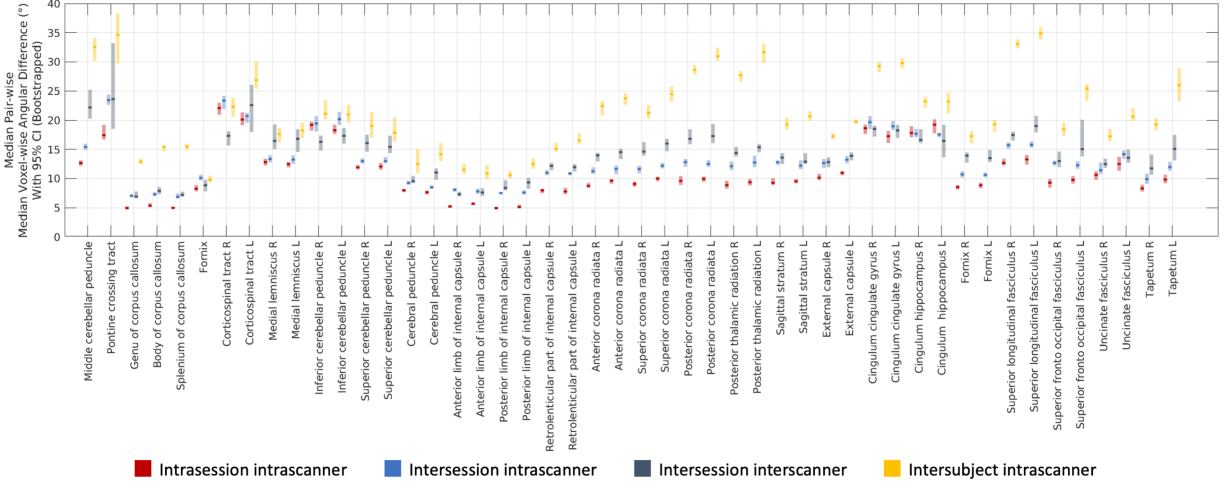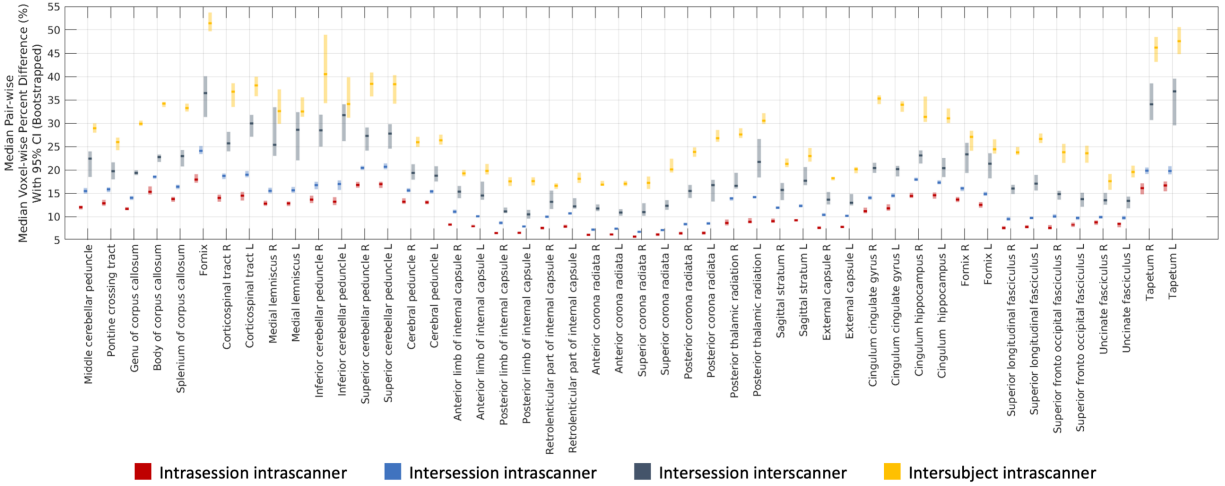

Supplementary Figure 2. Bootstrapped scan/re-scan discrepancies of V1 across 48 Johns Hopkins white matter atlas regions.
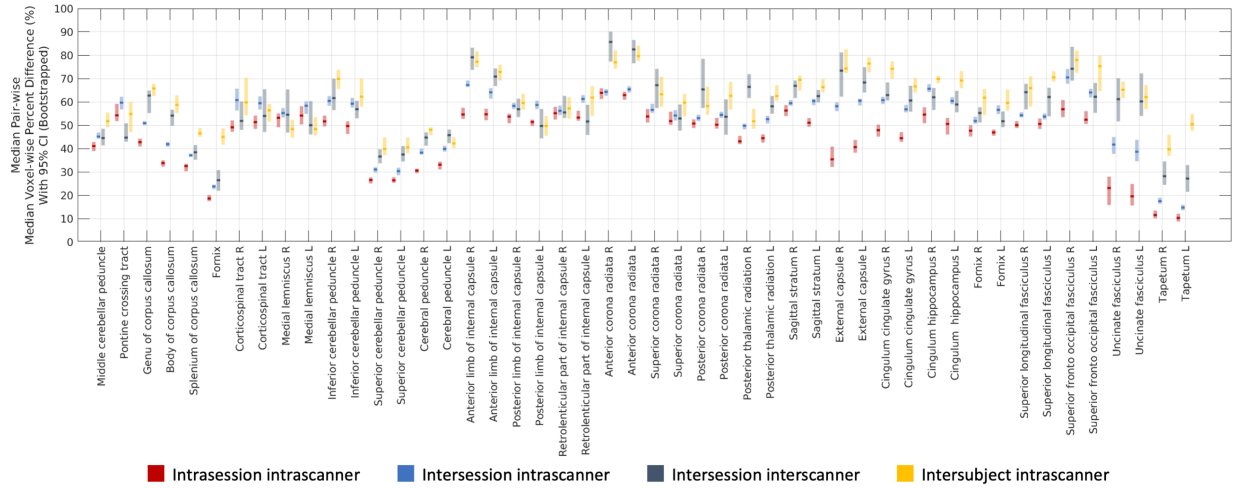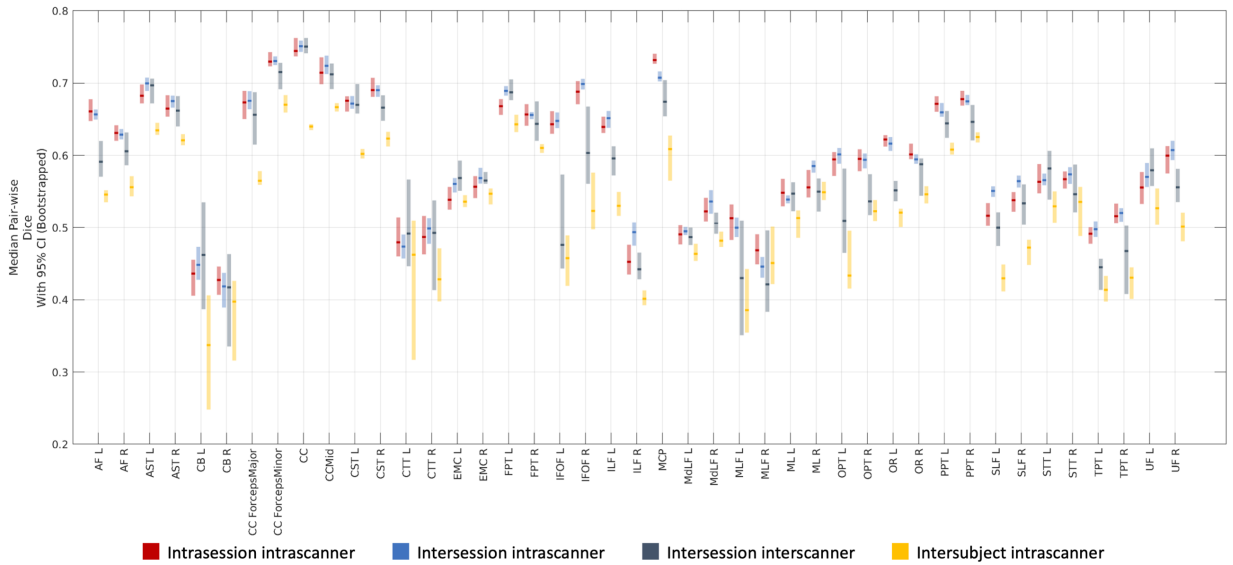
Supplementary Figure 3. Bootstrapped scan/re-scan discrepancies of cVF across 48 Johns Hopkins white matter atlas regions.
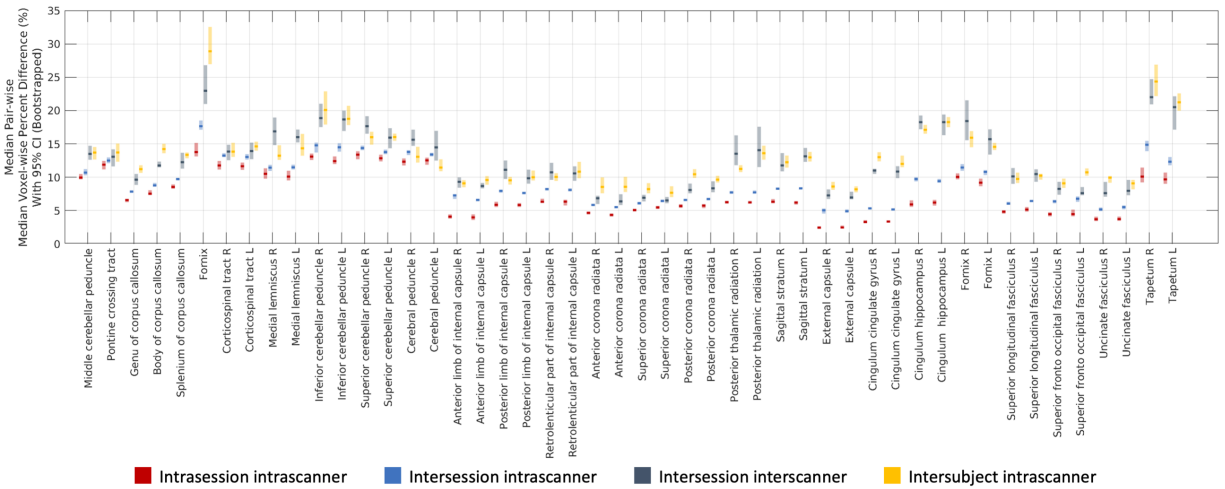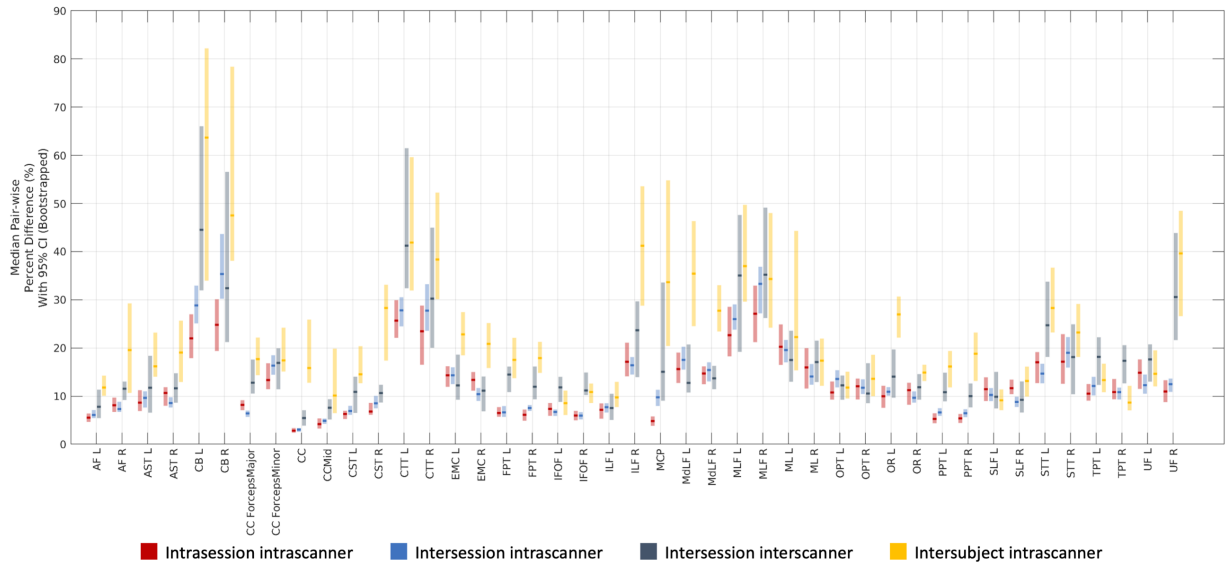

Supplementary Figure 4. Bootstrapped scan/re-scan discrepancies of iVF across 48 Johns Hopkins white matter atlas regions.
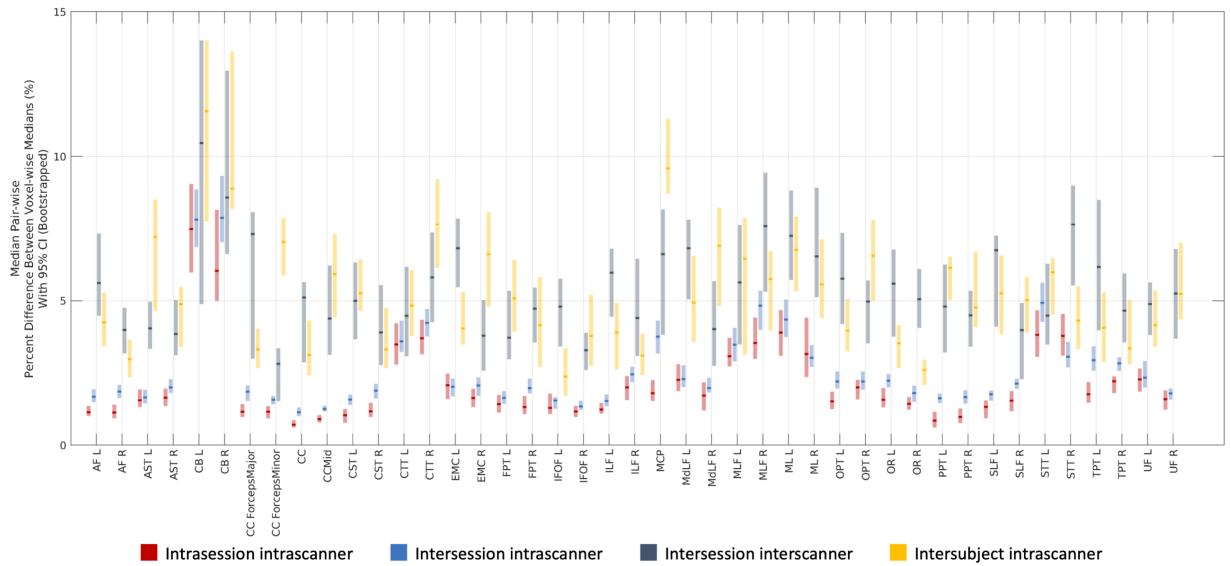
Supplementary Figure 5. Bootstrapped scan/re-scan discrepancies of ODI across 48 Johns Hopkins white matter atlas regions.
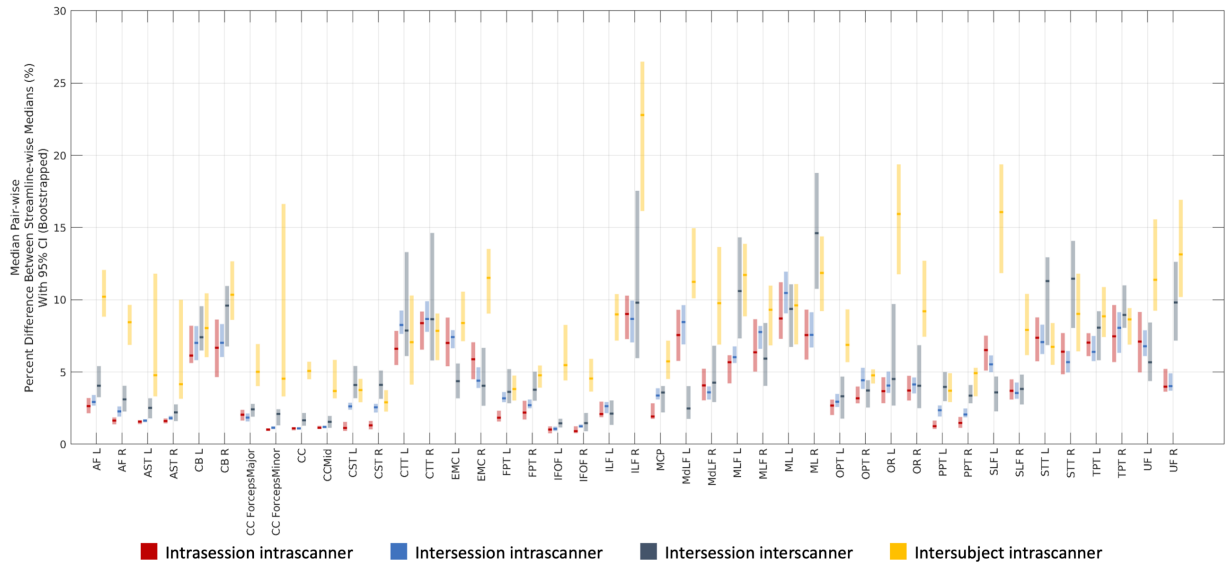

Supplementary Figure 6. Bootstrapped scan/re-scan discrepancies of bundle shape across 43 bundles identified with RecoBundles.

Supplementary Figure 7. Bootstrapped scan/re-scan discrepancies of bundle volume across 43 bundles identified with RecoBundles.

Supplementary Figure 8. Bootstrapped scan/re-scan discrepancies of bundle FA across 43 bundles identified with RecoBundles.

Supplementary Figure 9. Bootstrapped scan/re-scan discrepancies of bundle length across 43 bundles identified with RecoBundles.