SUPPORTING INFORMATION FIGURE S1. Representative MD maps for two volunteers (A and B) across all b-values (different rows) and frequencies (different columns) for OGSE acquisitions without flow compensation.
SUPPORTING INFORMATION FIGURE S2. Frequency-dependent MD (points) and respective diffusion dispersion models (solid lines) for white matter areas (shown in Figure 5B). Points are plotted for each b-value, representing the averages over volunteers and repetitions of region-wise means, based on the data shown in Figure 5, and one curve is fitted per b-value based on these points. MD data at non-zero frequencies come from OGSE acquisitions without flow compensation. PLIC, posterior limb of the internal capsule; PTR, posterior thalamic radiation; L/R, left/right.
**SUPPORTING INFORMATION FIGURE S3.** Additional frequency-dependent diffusion tensor metrics for white matter areas (shown in Figure 5B). Points are plotted for each volunteer and b-value, indicating the average over both repetitions of the region-wise mean. A line is drawn for each b-value, connecting the subject-wise average metric at each frequency. Data at non-zero frequencies come from OGSE acquisitions without flow compensation. AD, axial diffusivity; RD, radial diffusivity; FA, fractional anisotropy; PLIC, posterior limb of the internal capsule; PTR, posterior thalamic radiation; L/R, left/right.
SUPPORTING INFORMATION FIGURE S4. Frequency dependence of MD in the water phantom. Mean MD is plotted for each frequency and b-value (with and without flow compensation), taken as the average MD over the imaged volume of the phantom. Plotted values were used in the b-value corrections. FC, flow-compensated; NFC, not flow-compensated.