

Supplementary Table 6. SARDU-Net measurement selection in each of the 3 leave-one-out folds performed on prostate DRI. The table shows results for the selection of both $D = 12$ and $D = 9$ measurements out of $M = 16$. In training fold 1, 2 and 3, subject 1, 2 and 3 was respectively left out as test set and not used to train a SARDU-Net via back-propagation. The table also reports the best learning option in each fold (i.e. those providing the lowest validation loss).

	Fold 1	Fold 2	Fold 3
(b, TE) selection for $D = 12$ [[s mm⁻², ms]]	(0,55), (500,55), (1000,55), (1500,55), (0,87), (500,87), (1000,87), (1500,87), (0,121), (500,121), (0,150), (500,150)	(0,55), (500,55), (1000,55), (1500,55), (0,87), (500,87), (1000,87), (1500,87), (0,121), (500,121), (0,150), (500,150)	(0,55), (500,55), (1000,55), (1500,55), (0,87), (500,87), (1000,87), (1500,87), (0,121), (0,150), (500,150), (1000,150)
	<u>Best learning options:</u> 100-voxel mini-batch; learning rate of 10^{-3} ; dropout of 0.0	<u>Best learning options:</u> 100-voxel mini-batch; learning rate of 10^{-3} ; dropout of 0.0	<u>Best learning options:</u> 100-voxel mini-batch; learning rate of 10^{-3} ; dropout of 0.0
(b, TE) selection for $D = 9$ [[s mm⁻², ms]]	(0,55), (500,55), (1000,55), (0,87), (1500,87), (0,121), (500,121), (0,150), (500,150)	(0,55), (500,55), (1000,55), (0,87), (500,87), (1000,87), (500,121), (1000,121), (0,150)	(0,55), (1000,55), (1500,55), (0,87), (500,87), (1000,87), (500,121), (0,150), (500,150)
	<u>Best learning options:</u> 100-voxel mini-batch; learning rate of 10^{-3} ; dropout of 0.0	<u>Best learning options:</u> 100-voxel mini-batch; learning rate of 10^{-3} ; dropout of 0.0	<u>Best learning options:</u> 100-voxel mini-batch; learning rate of 10^{-3} ; dropout of 0.0