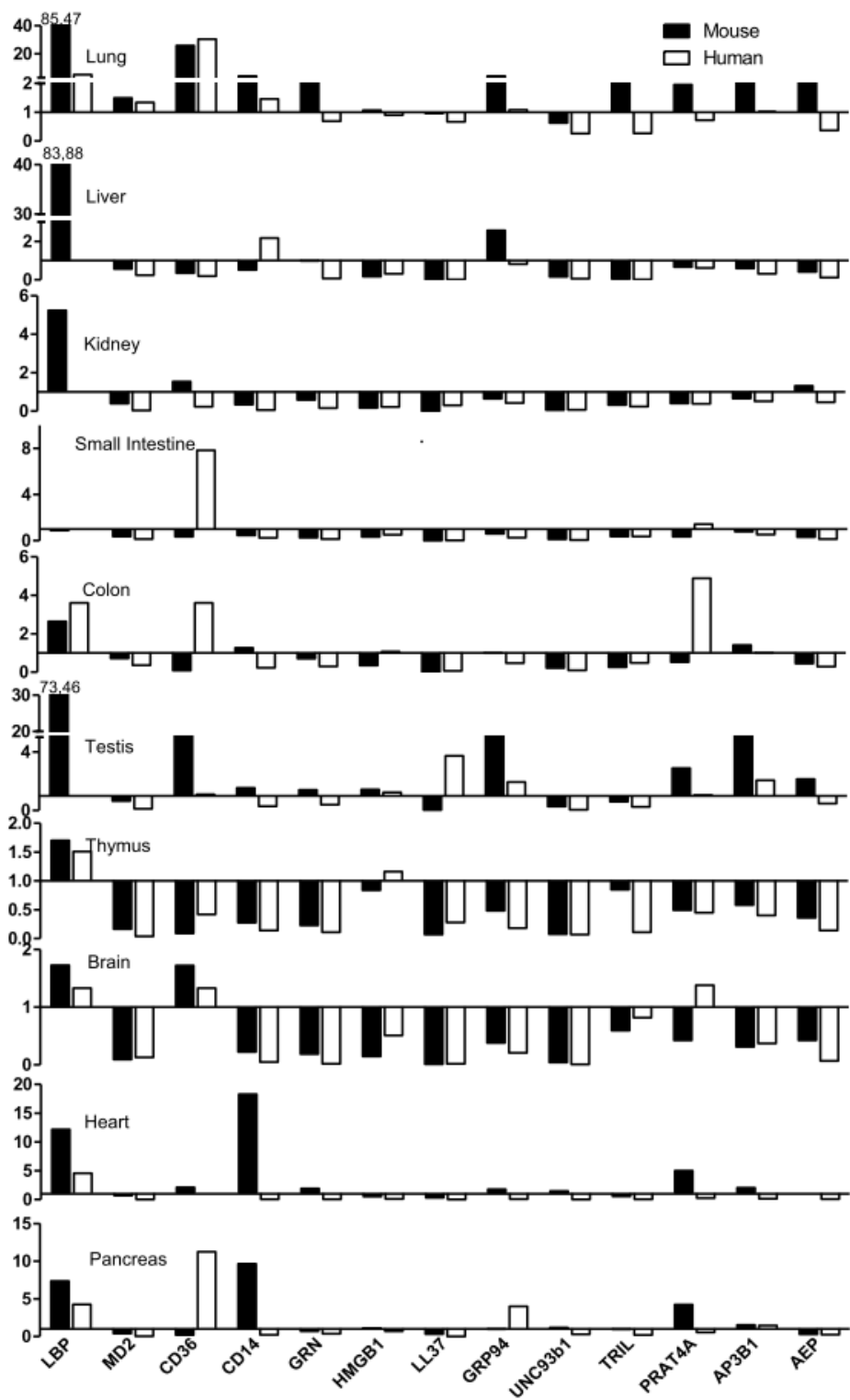
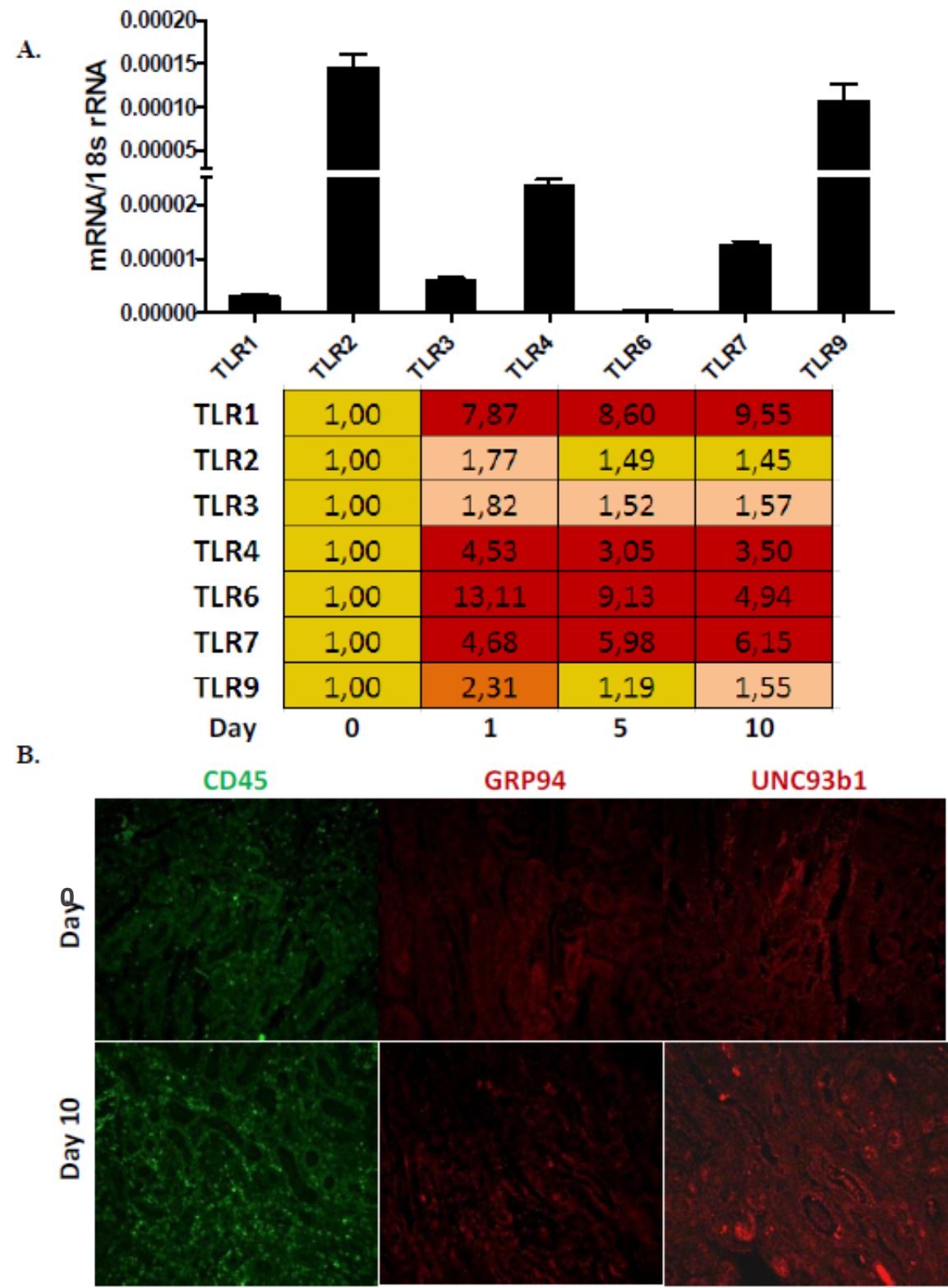


# Supplementary Information

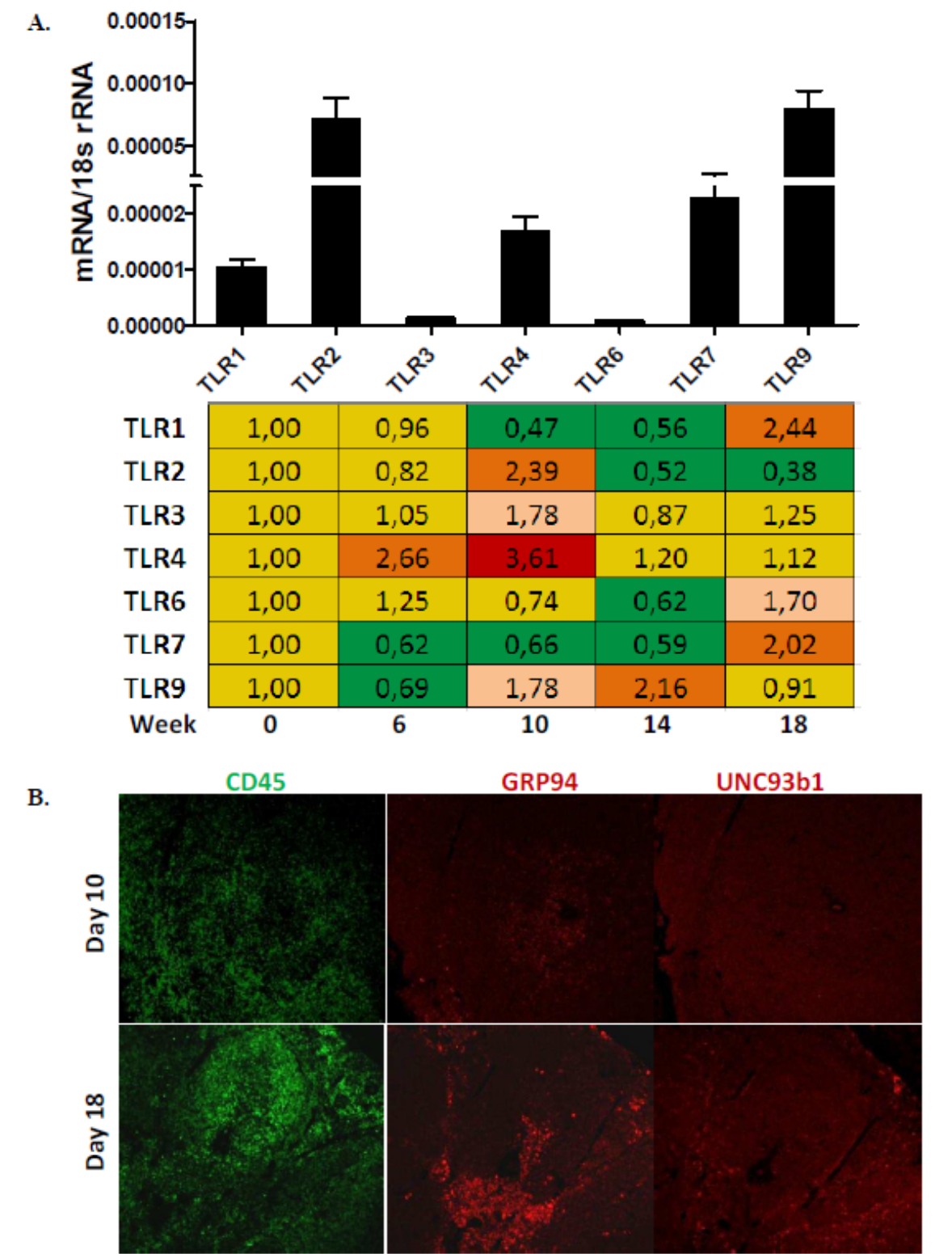
**Figure S1.** The relative expression of TLR accessory molecular mRNA expression in different organs compared to the spleen. The respective relative murine (black bars) and human (open bars) TLR accessory molecular mRNA levels from Figure 1A,B are illustrated. The *x*-axis marks a ratio of 1, hence, positive values indicate stronger expression in humans. Negative values indicate stronger expression in mice. The *y*-axis marks the fold-change in each direction. Note that the scale of the *y*-axis is different for each organ. Data represent means  $\pm$  SEM.



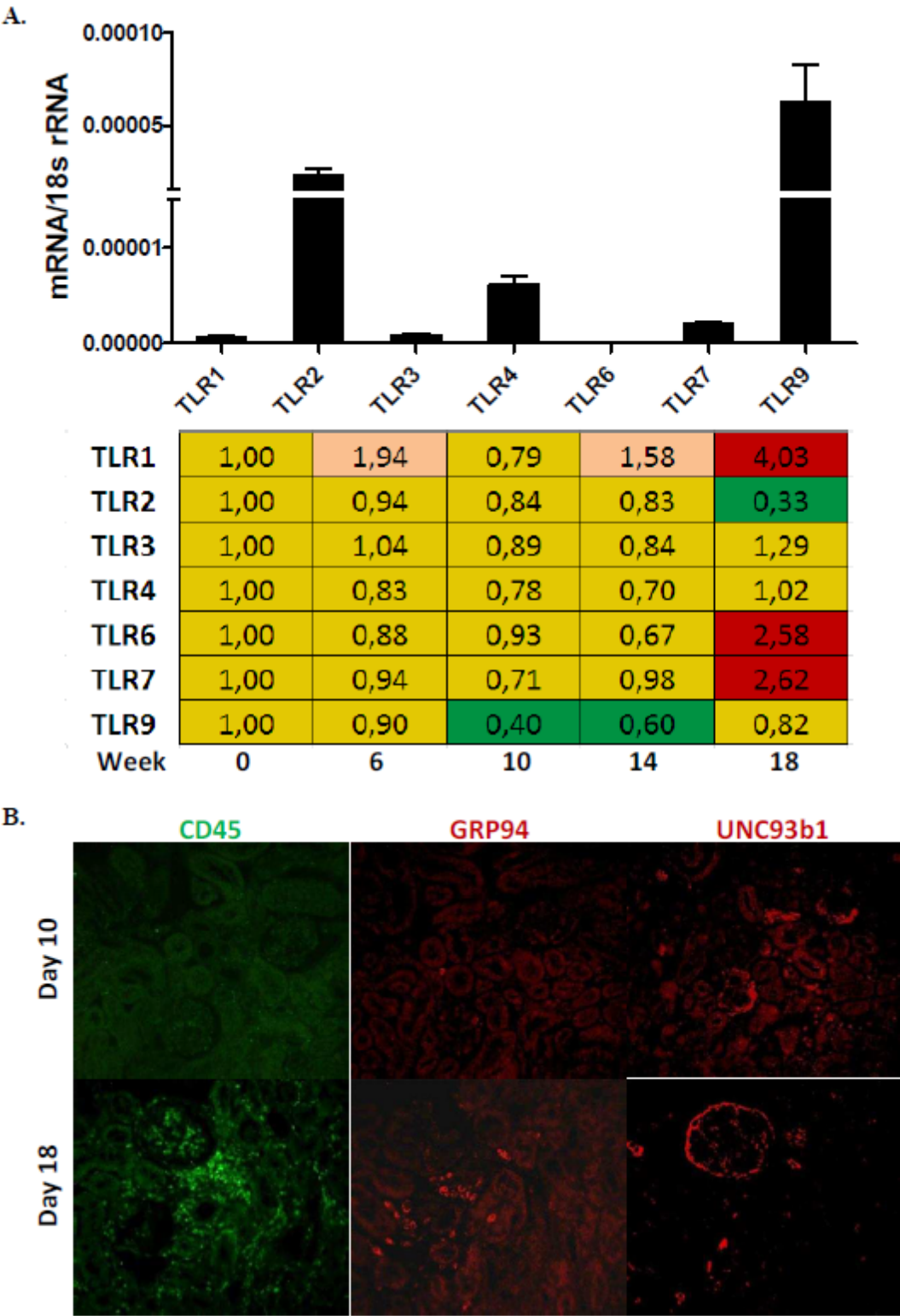
**Figure S2.** (A) Toll like receptors mRNA expression during ischemia-reperfusion injury. The histogram in A represents the genes mRNA expression levels of different genes of the wild type kidney (control). The table in A represents the relative expression of mRNA levels versus control using the colour code as illustrated; (B) Immunofluorescence staining of CD45 (green), GRP94 (red) and UNC93b1 (red) in kidney of ischemia reperfusion injury.



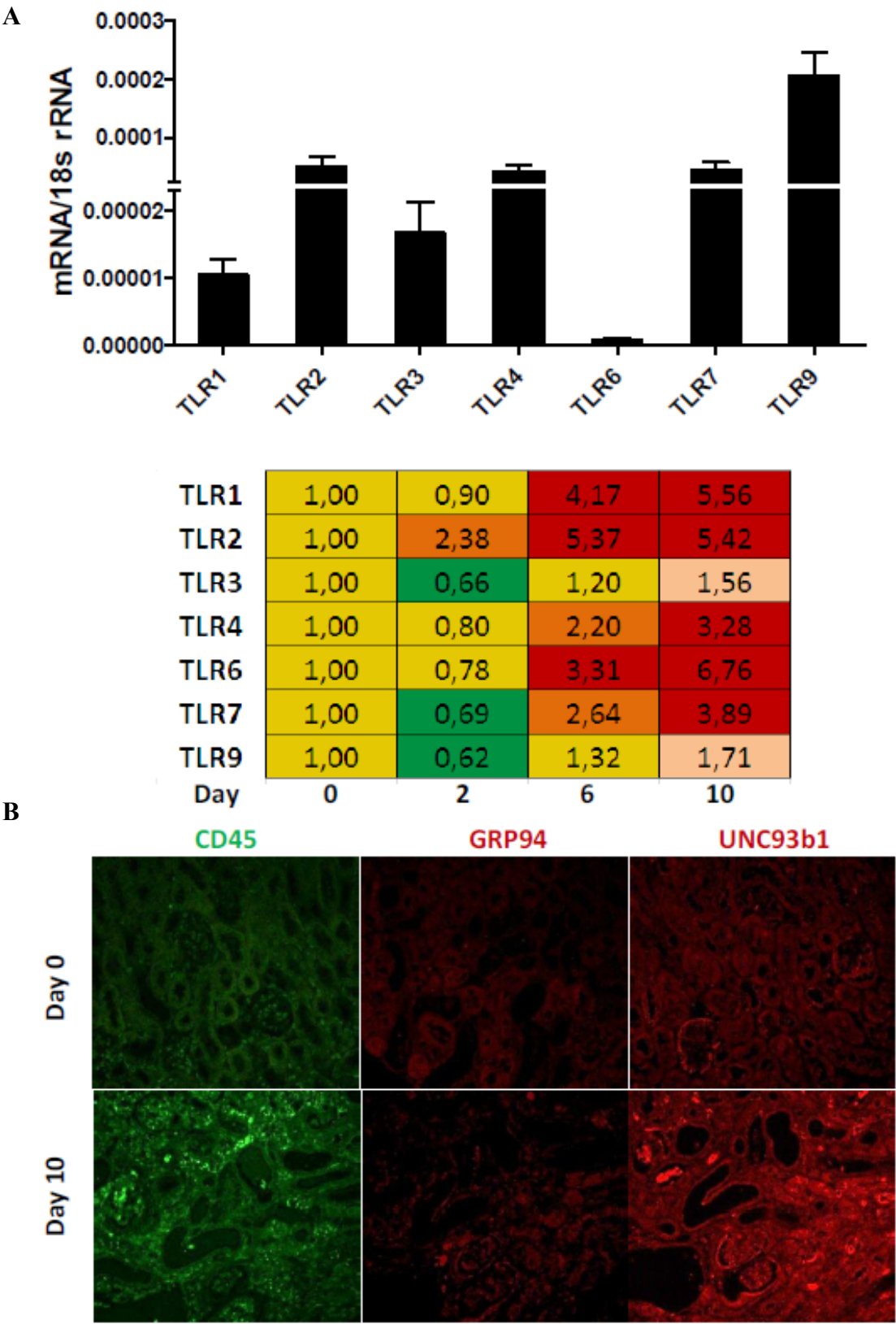
**Figure S3.** (A) Toll like receptors mRNA expression in spleens of MRL-lpr mice. The histogram in A represents the genes mRNA expression levels of different genes of the wild type spleen (control). The table in A represents the relative expression of mRNA levels versus control using the colour code as illustrated; (B) Immunofluorescence staining of CD45 (green), GRP94 (red) and UNC93b1 (red) in spleens of MRL-lpr mice.



**Figure S4.** Toll like receptors mRNA expression in kidney of MRL-lpr mice. The histogram in A represents the genes mRNA expression levels of different genes of the wild type spleen (control). The table in (A) represents the relative expression of mRNA levels versus control using the colour code as illustrated (B). Immunofluorescence staining of CD45 (green), GRP94 (red) and UNC93b1 (red) in kidney of MRL-lpr mice.



**Figure S5.** Toll like receptors mRNA expression upon unilateral ureteral ligation. The histogram in A represents the genes mRNA expression levels of different genes of the wild type spleen (control). The table in (A) represents the relative expression of mRNA levels versus control using the colour code as illustrated (B). Immunofluorescence staining of CD45 (green), GRP94 (red) and UNC93b1 (red) in kidney of unilateral ureteral ligation.



**Table S1.** Crossing point values of mouse housekeeping genes.

	<b>18 s</b>	<b>GAPDH</b>
Number of samples	11	11
Geometric mean	8.85	17.24
Arithmetic mean	8.86	17.26
Minimum	8.50	16.03
Maximum	9.21	18.21
Standard deviation	0.22	0.81
Variance	0.05	0.66
Coefficient of variance (%)	0.005	0.11

**Table S2.** Crossing point values of human GAPDH.

	<b>GAPDH</b>
Number of samples	11
Geometric mean	24.40
Arithmetic mean	24.44
Minimum	22.53
Maximum	26.90
Standard deviation	1.38
Variance	1.91
Coefficient of variance (%)	0.46

**Table S3.** Crossing point values of mouse 18s in disease models.

	<b>IRI</b>	<b>Lupus spleen</b>	<b>Lupus kidney</b>	<b>UUO</b>
Number of samples	23	23	43	21
Geometric mean	10.39	9.55	10.06	9.48
Arithmetic mean	10.40	9.65	10.09	9.52
Minimum	9.75	7.72	8.55	8.69
Maximum	11.23	11.17	12.09	12.30
Standard deviation	0.42	1.42	0.85	0.88
Variance	0.18	2.01	0.73	0.78
Coefficient of variance (%)	0.01	0.19	0.07	0.07

IRI, ischemia-reperfusion injury; UUO, unilateral ureteral obstruction.

**Table S4.** TLR Primers used for qPCR.

	<b>Right primer sequence</b>	<b>Left primer sequence</b>	<b>Accession Nr.</b>
Mouse			
TLR1	CATTCCTGAGGTCCCTGCTA	GAAGAACTCAGGCGAGCAGA	NM_030682
TLR2	ACCAAGATCCAGAAGAGCCA	CATCACCAGTCAGAAAACAA	NM_011905
TLR3	ATAGGGACAAAAGTCCCCCA	ATGATACAGGGATTGCACCC	NM_126166
TLR4	TGTCATCAGGGACTTTGCTG	TGTTCTTCTCCTGCCTGACA	NM_021297
TLR6	TCTTGGCTCATGTTGCAGAG	GAGAAAGAAAATGGTACCGTCAG	NM_011604
TLR7	TGTCTCTTCCGTGTCCACAT	GGATGATCCTGGCCTATCTC	NM_133211
TLR9	CTGTACCAGGAGGGACAAGG	CAGTTTGTGACAGGGGAGCCT	NM_031178