Legend SDC

Figure S1: Demonstration of the systematic collection of liver samples and the Suzuki scoring system: Panel A: Picture on the left side of the panel showing an explanted liver 24 hours post-LT, picture on the right side shows how liver tissue samples were collected for histological analyses. **Panel B:** Table with the Suzuki score for histological evaluation of IRI in rats.

Figure S2: Demographic characteristics of rat liver recipients and surgical parameters: A: Recipient weights at the day of the transplant**. Panel B:** Anhepatic time in minutes for all 4 groups. **Panel C:** Operative time in minutes for all 4 groups.

Figure S1

A

B

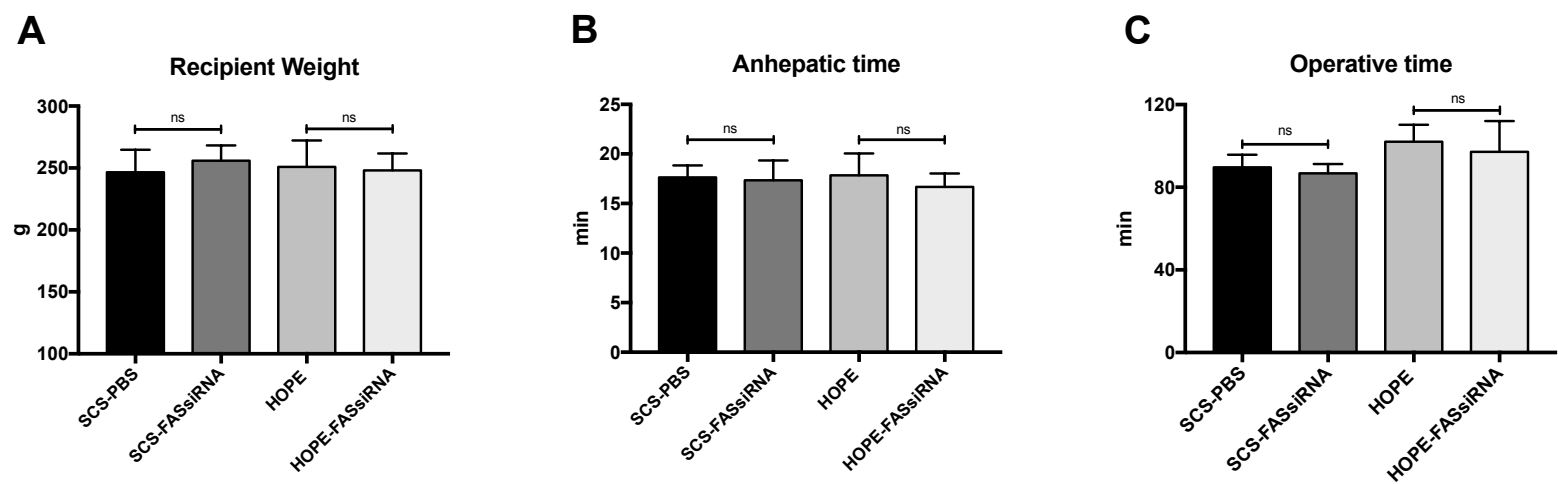|		Suzuki score	
Numerical assessment	Congestion	Vacuolization	Necrosis
0	None	None	None
1	Minimal	Minimal	Single cell necrosis
2	Mild	Mild	-30%
3	Moderate	Moderate	-60%
4	Severe	Severe	>60%

Figure S2

A Recipient Weight

B Anhepatic time

C Operative time

Table S1: Transaminases levels at FASsiRNA Screening experiments

| | Screening groups – SCS protocol | | | | |
	Control (PBS) (A)	FASsiRNA-1 (B)	FASsiRNA-2 (C)	FASsiRNA-1 + Invivofectamine (D)	p
AST (IU/L)	1667 ± 71	898 ± 139	1683 ± 246	3447 ± 379	A x B = 0.008 A x C = 0.786 A x D = 0.036 B x C = 0.072 B x D = 0.035 C x D = 0.100
ALT (IU/L)	1181 ± 89	656 ± 133	1485 ± 226	2053 ± 202	A x B = 0.032 A x C = 0.393 A x D = 0.036 B x C = 0.071 B x D = 0.035 C x D = 0.100

There were 5 animals in groups A and B and 3 animals in groups C and D.Data are shown as mean $\pm$ SEM. **SCS:** Static Cold Storage, **AST:** Aspartate aminotransferase, **ALT:** Alanine aminotransferase