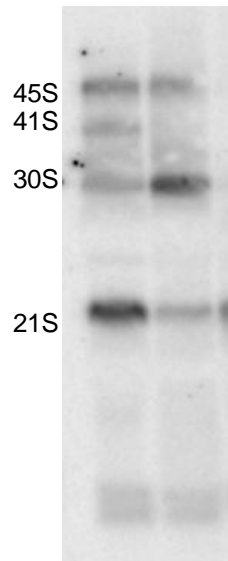


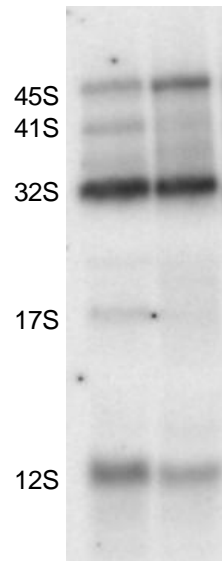
Figure 1S. Deletion of nuclear Dkc1 protein in liver of *Dkc1^{lox} Tg:Alb Cre* transgenic mice. Antibody against N-terminal peptide of dyskerin was used in the Western blot. There was no detection of truncated dyskerin protein (~46 kDa) in the nuclear sample of KO mouse. TBP is used as a loading control.

Probe: ITS1



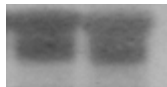
WT KO

Probe: ITS2



WT KO

28S



Intensity 1 0.947
WT KO

ITS1	WT	KO	ITS2	WT	KO
45S	0.208	0.185	45S	0.106	0.266
41S	0.100	0.019	41S	0.088	0.043
30S	0.129	0.688	32S	0.562	0.587
21S	0.534	0.077	17S	0.011	0.002
			12S	0.232	0.103

Figure 2S. Quantitation of rRNA processing in *Dkc1lox Tg:AlbCre* transgenic mice. rRNA precursors of liver RNA were measured by phosphoimaging with ITS1 and ITS2 probes in Northern blot. 30S significantly increased, while 21S, 17S and 12S dramatically decreased.