

Fig. S1 FZD1 expression was upregulated in pRCC tissues compared with normal (A) and paired non-cancerous tissues (B) based on the TCGA database. The mRNA levels of FZD1 was compared in different clinicopathological characteristics: (C) T stage, (D) N stage, (E) Metastasis status and (F) TNM stage. Data differences were tested with Student's T-test.

Fig. S2 The correlation between FZD1 expression and OS of ccRCC patients with (A) T1+T2 stage, (B) N1 stage, (C) TNM (I+II) stage, (D) G1+G2 stage and (E) Neoadjuvant treatment status.

Fig. S3 The correlation between FZD1 expression and DFS of ccRCC patients with (A) male, (B) T3+T4 stage, (C) N1 stage, (D) metastasis status, (E) TNM (I+II) stage, (F) TNM (III+IV) stage, (G) G1+G2 stage and (H) Neoadjuvant treatment group.

Figure S1

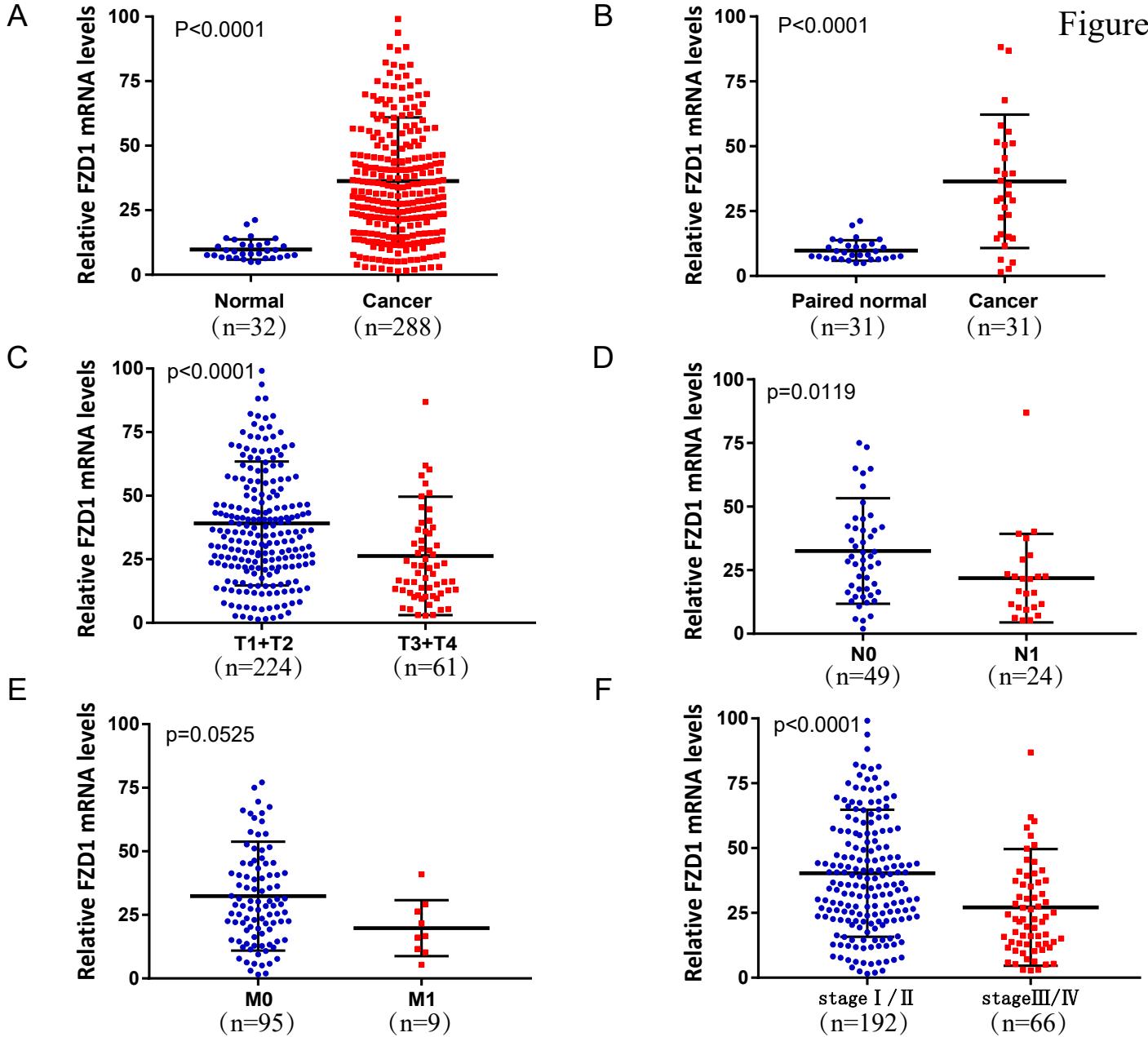


Figure S2

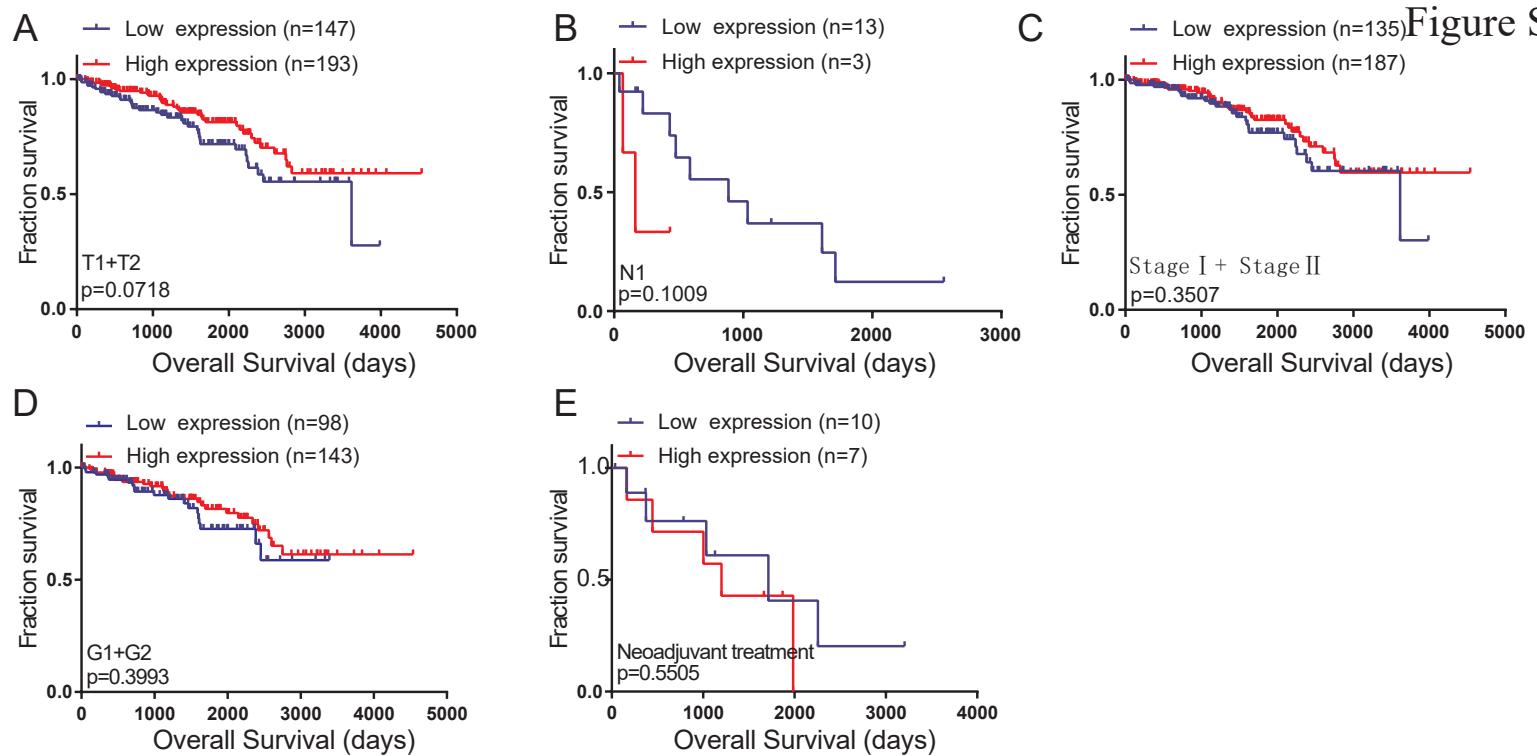


Figure S3

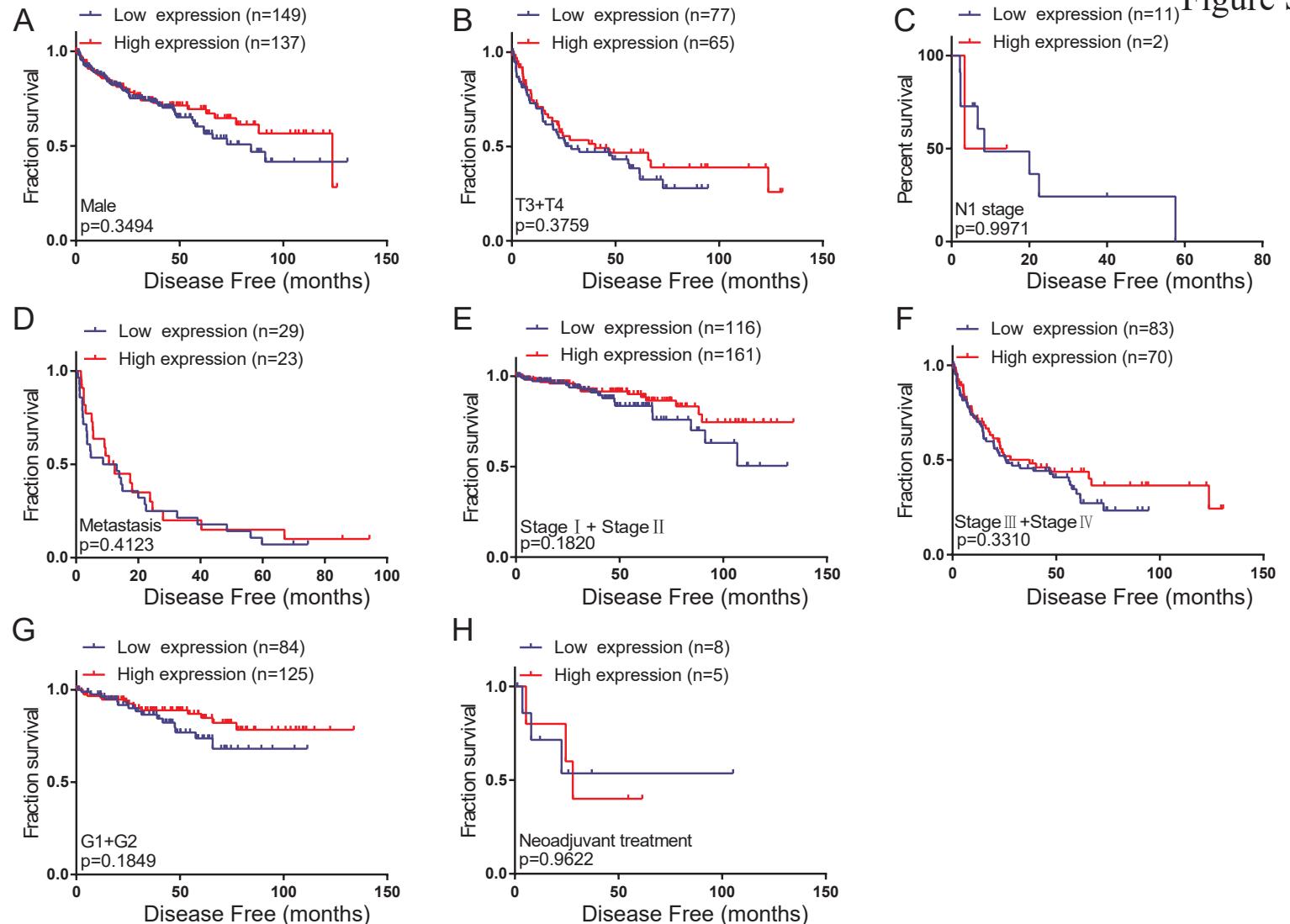


Table S1 Univariate and multivariate analyses of FZD1 mRNA level and pRCC patient overall survival

Variable	Univariate cox regression		Multivariate cox regression	
	HR(95%CI)	P value	HR(95%CI)	P value
Age (years)		0.901		0.734
<60	Reference		Reference	
≥60	1.04(0.561-1.927)		1.138(0.539-2.403)	
Gender		0.149		0.025
Female	Reference		Reference	
Male	0.617(0.32-1.19)		0.395(0.176-0.888)	
Race			1.253(0.158-9.923)	
White	Reference		Reference	
Asian	6.111(0.787-47.464)	0.084	14.339(1.344-152.999)	0.027
Black [†]	0.977(0.431-2.213)	0.955	0.425(0.162-1.118)	0.083
Unknown	0.324(0.044-2.372)	0.267	1.253(0.158-9.923)	0.831
Pathological stage				
Stage I			Reference	
Stage II	0.958(0.214-4.295)	0.955	0.043 (0.003-0.69)	0.026
Stage III	4.779(2.26-10.108)	<0.001	0.427(0.036-4.995)	0.498
Stage IV	16.112(6.698-38.758)	<0.001	0.622 (0.038-10.089)	0.738
Unknown	1.655(0.58-4.724)	0.346	0.282 (0.035-2.26)	0.233
T stage				
T1	Reference		Reference	
T2	3.129(1.293-7.571)	0.011	24.05 (2.321-249.181)	0.008
T3	7.427(3.709-14.874)	<0.001	10.092 (0.982-103.765)	0.052
T4	0	0.982	0	0.981
Unknown	5.363(1.184-24.297)	0.029	15.315 (1.297-180.846)	0.03
N stage				
N0	Reference		Reference	
N1	4.303(1.723-10.746)	0.002	1.267 (0.425-3.778)	0.672
Unknown	0.597(0.256-1.393)	0.233	0.581(0.211-1.598)	0.293
M stage				
M0	Reference		Reference	
M1	88.26(25.807-301.844)	<0.001	48.85(5.729-416.555)	0
Unknown	0.802(0.405-1.589)	0.527	2.169(0.896-5.25)	0.086
FZD1 expression		0.008		0.349
Low	Reference		Reference	
High	0.424(0.225-0.801)		0.7(0.332-1.475)	

[†] Black or african American; pRCC:papillary renal cell carcinoma

HR:estimated from Cox proportional hazard regression model; 95%CI: 95% interval of the estimated HR.