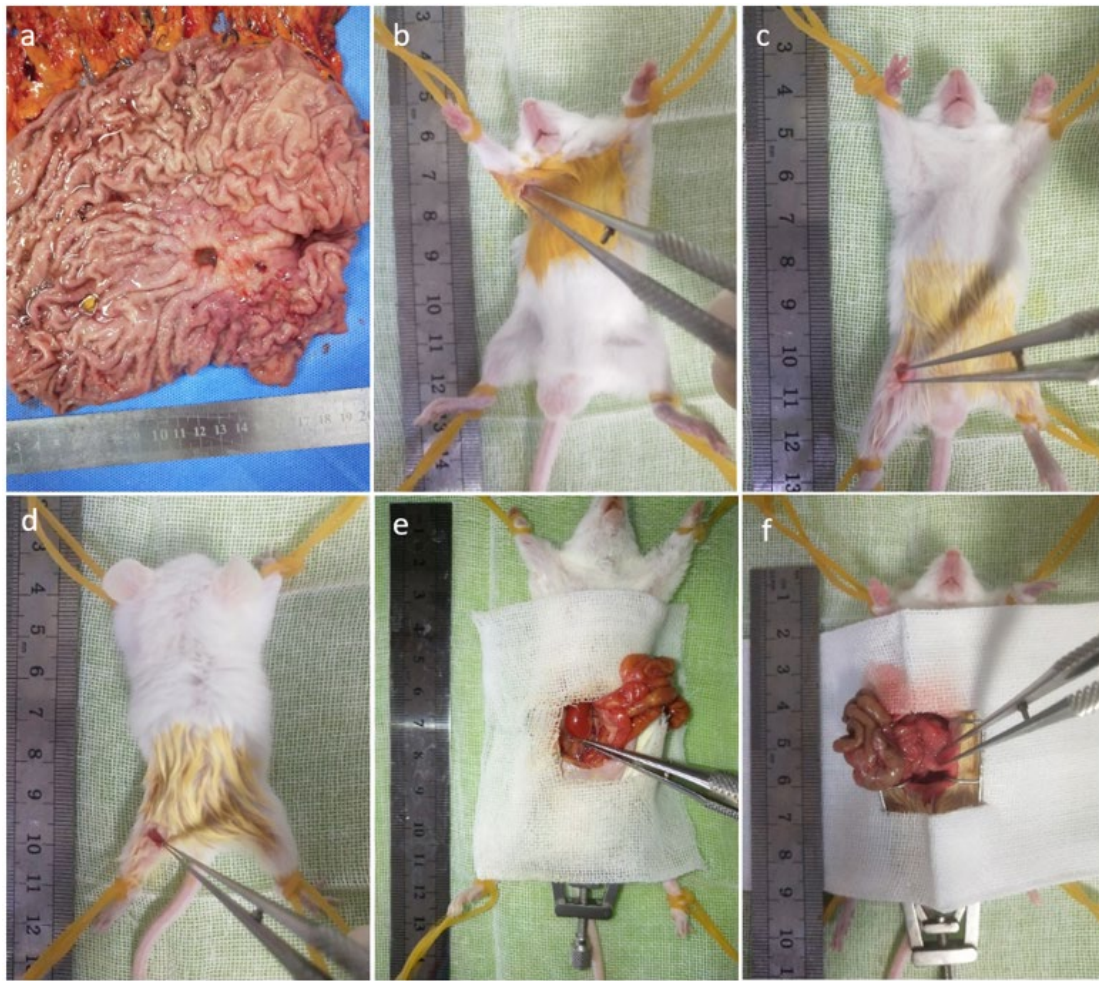


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3 Supplementary figure S1: Transplantation of PDX model. a, gastric cancer; b, axillary; c, groin. d
4 Muscle; e, renal capsule; f, Greater omentum.

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22 **Supplementary table S1: Clinical data and modeling of 33 patients with gastric cancer**

patient	age	gender	sample	pathological	differentiation	borrmann	outcome
G01	77	F	B	Ade.	moderately	III	Failed
G02	68	F	B	Ade.	poor	III	Successful
G03	45	M	S	Ade.	poor	II	Successful
G04	71	M	S	Ade.	moderately	II	Successful
G05	66	F	B	Ade.	poor	II	Successful
G06	64	M	B	Ade.	moderately	IV	Failed
G07	48	F	S	Ade.	poor	II	Failed
G08	61	M	S	Ade.	poor	II	Successful
G09	63	M	S	Ade.	poor	I	Failed
G10	43	M	S	Ade.	poor	III	Failed
G11	45	M	S	Ade.	poor	III	Successful
G12	57	M	S	Neu.	poor	III	Successful
G13	64	F	S	Ade.	moderately	III	Failed
G14	54	F	S	Ade.	poor	II	Failed
G15	44	M	S	Squ.	moderately	II	Failed
G16	79	F	S	Ade.	moderately	I	Successful
G17	67	F	S	Ade.	poor	III	Successful
G18	57	F	S	Ade.	poor	III	Successful
G19	70	M	S	Ade.	poor	III	Successful
G20	41	F	S	Ade.	poor	II	Successful
G21	75	M	B	Ade.	poor	III	Failed
G22	69	M	S	Neu.	poor	III	Successful
G23	55	M	S	Ade.	poor	II	Successful
G24	53	M	S	Ade.	moderately	III	Successful
G25	50	F	S	Ade.	moderately	I	Successful
G26	57	M	S&B	Ade.	moderately	II	Successful
G27	66	F	S	Ade.	poor	III	Failed
G28	82	M	S	Ade.	poor	II	Successful
G29	60	M	S	Ade.	poor	II	Successful
G30	75	M	S	Ade.	moderately	III	Failed
G31	44	M	S	Ade.	high	III	Failed

G32	57	F	S&B	Ade.	poor	I	Successful
G33	57	M	B	Ade.	moderately	III	Failed

23 F: female, M: male, B: biopsy, S: surgery, Ade.: Adenocarcinoma, Squ.: squamous cell
24 carcinoma, Neu. Neuroendocrine carcinoma, &: and.

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26 **Supplementary table S2: Statistics of influencing factors of PDX model establishment**

Mouse group	F1 successful / observed	Tumor engraftment			Implant site (successful / observed)			
		Size	Time	renal	groin	axilla	omentum	muscle
		(n ³ mm ³)	(h)	capsule				
M01B	0/4	1	8	0/4	0/4	0/0	0/0	0/0
M02B	1/4	1	8	1/4	0/4	0/0	0/0	0/0
M03S	2/3	1	6	2/3	0/3	0/0	0/0	0/0
M04S	1/4	2	6	2/4	0/4	0/0	0/0	0/0
M05B	1/4	1	7	1/4	0/4	0/0	0/0	0/0
M06B	0/4	3	3	0/4	0/4	0/0	0/0	0/0
M07S	0/1	2	1	0/2	0/2	0/2	0/0	0/2
M08S	1/1	1	2	1/2	0/2	0/2	0/1	0/2
M09S	0/2	3	2	0/4	0/4	0/4	0/2	0/4
M10S	0/1	3	5	0/2	0/2	0/2	0/1	0/2
M11S	1/1	2	2	1/2	0/2	0/2	0/1	0/2
M12S	1/1	2	1	1/2	0/2	0/2	0/1	0/2
M13S	0/1	3	3	0/2	0/0	0/0	0/0	0/0
M14S	0/1	1	3	0/2	0/2	0/2	0/1	0/2
M15S	0/4	1	24	0/8	0/0	0/0	0/0	0/0
M16S	1/4	2	1	1/8	0/0	0/0	0/0	0/0
M17S	2/3	2	20	2/6	0/0	0/0	0/0	0/0
M18S	1/2	2	3	2/4	0/0	0/0	0/0	0/0
M19S	2/2	2	2	4/4	0/6	0/0	0/3	0/0
M20S	2/2	2	2	4/4	0/0	0/4	0/2	0/0
M21B	0/1	1	7	0/2	0/0	0/0	0/0	0/0
M22S	2/2	2	0.5	2/4	0/2	0/0	0/0	0/0
M23S	1/2	1	2	1/4	0/0	0/0	0/0	0/0
M24S	1/1	1	2	1/2	0/0	0/0	0/0	0/0

M25S	2/2	2	2	3/4	0/0	0/0	0/0	0/0
M26S	1/2	2	2	1/4	0/0	0/0	0/0	0/0
M26B	1/2	1	2	1/2	0/0	0/0	0/0	0/0
M27S	0/2	3	2	0/4	0/4	0/0	0/1	0/0
M28S	2/2	3	1	1/4	2/4	0/0	0/1	0/0
M29S	1/2	3	2	1/4	0/2	0/0	0/2	0/2
M30S	0/1	3	21	0/2	0/2	0/0	0/0	0/0
M31S	0/2	2	1	0/4	0/4	0/0	0/0	0/0
M32B	0/1	1	7	0/2	0/1	0/0	0/0	0/0
M32S	1/1	3	7	1/2	0/1	0/0	0/0	0/0
M33B	0/1	1	2	0/1	0/1	0/0	0/0	0/0
Total	28/75	—	—	34/124	2/68	0/20	0/16	0/18

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