patient no.	H	N	m	٦	Her 2	ER	PR	Luminai	TAAR1 (nucle Intensity	IRS	DDC (cytoplas Intensity	IRS	patient no.	Т	N	M	Her 2	ER	PR	Luminal	TAAR1 (nuclear Intensity	IRS	DDC (cytoplas Intensity	IRS	patie
	1b		x				neg	В	0	0	2	8	101	1c			neg	pos		В	3	6	1	3	201
	1c 1b						pos pos	В	0	0	n.a.	n.a.		1c 1b		x 3	neg pos	neg neg	pos neg	В		0		8	202
		1bi					neg	В	0	0	n.a.	n.a.			1biii	×	neg	pos	neg	A		0		2	204
5	1c	1biii	x :	2	neg	pos	neg	В	0	0	3	12	105	2	1bi	x 3		neg	neg			0		0	205
		2 1bii					pos	В	0	6	n.a. 3	n.a.		1c 3	1bi 1biii	× 1	neg	pos		B B		6		6	206
		1biv			neg neg		pos pos	A	0	0	1	4					neg	pos		A		0		3	208
9	2	1bii	x	2	neg		pos	А	0	0	n.a.	n.a.	109	1c	1bi	х	neg	pos	pos	В	2	4		8	209
10	1c	1biii					neg		0	0	3	12		2 1c	1biii	x 3	neg	neg	neg			0		12 8	210 211
		0 1bi	×	3			pos pos	В	0	0	n.a. 1	n.a.		1c	2	x 3	neg	neg	neg	^		4		12	212
13	1b	1bi	x	3	pos		pos		3	9	n.a.	n.a.	113	1c	1a	x 2	pos	pos	neg		0	0	1	3	213
	1c						pos	В	0	0	2	8		1c 1c			neg neg	pos	pos	A A		0		12 0	214 215
		1bi 0					pos	A	0	0	2	8		1c			neg	pos		A		0		0	216
17	1c						pos	A	0	0	n.a.	n.a.	117	1c	0	x 1	neg	pos	pos	Α		0		4	217
	1c		x I	2			pos	A	0	0	1	4		1c		x 1		pos		Α .		0		4	218 219
	1c 2		x				neg pos	A	2	2	2	12		1b 1c		x 1	neg	pos neg	neg	A		0		8	220
	1b		x				neg		2	4	1	4	121	1b	0	x	neg	pos	pos	А		0		8	221
	1c		x				neg		2	4	1	4		2		×	neg	pos		В		0		12	222
		1biii 1biii						A	0	0	n.a.	n.a.		1c 1b		x s	neg neg	pos neg	pos neg	A		0		12 8	224
		1a						A	0	0	2	8	125	1c	0	x 2	neg	pos		Α		0	3	12	225
26	1c	0	×	2	neg	pos	pos	A	0	0	2	8			1biii		pos	pos	pos			0		8	226 227
27	1c	1a 1bi	×	2	pos		pos		0	0	3	12		2 1c	1bii	x 1	neg	pos	pos	A A		0		12 4	228
28	1c	1bi 1bi	x	3	neg		neg pos	B A	0	0	1	3		2		x	neg	pos pos		В		0		2	229
30	1c	0	x	3	neg	neg	pos	В	2	2	1	4	130	1b	0	х	neg	pos	pos	Α	0	0	2	8	230
31	2	x					pos	A	0	0	0	0		1b 1b		x	neg	pos		B A		0	3	0 12	232
32	2 1c	0				pos	neg pos	A	0	0	1	4		1b		x	neg	pos		A		0		0	233
	1b		x	3			pos	В	1	1	2	8	134	1b	0	x	neg	pos		A	0	0	1	4	234
35		1bi	x	3	neg	pos	pos	A	1	1	n.a.	n.a.	135	1c	1biv	x	neg	neg	neg			0		12	235
	1c 2						neg neg	A	0	0	2	8			1biii 0		neg	pos	_	A A		0		12 4	
38	2	0					neg	A	0	0	0	0	138	1b	1b	×	neg	pos		A	0	0	3	12	
39	2	0	x	3	neg	pos	pos	В	0	0	1	4		1c			neg	pos		A		0	3	12	
	1b						pos	В	0	0	2	8		1c	1biii	x 2		pos	pos	B A		0		6 3	
		1biii 0					neg pos		0	0	3	12		1c		x	neg	pos	pos	^		0		4	
43	1c	1bi	x	3	neg		pos	A	0	0	n.a.	n.a.	143	1c	0	x 2	neg	pos	pos	В		0		0	
	1b		×				pos	A	0	0	0	0		1b 1c		1 2	neg	pos		B B		0	1	12	
	2 1c	1biv 0	x				pos neg		0	0	2	8		1c 2		x 2	neg	pos	pos neg	В		0	2	2	
	1c		x	2			pos	A	0	0	1	4			1biv	x	neg	pos	pos	А		0	1	3	
	1c		x i	2	neg		neg		0	0	3	12		1c		x 1		pos	neg			0		0	
	2 1c		x				pos	A	0	0	2	12					pos	pos	pos			0		3	
	2		x				pos neg	A	0	0	3	12	151	2	×	x 1	neg	pos	pos	А		0		4	
52	2	0	х	_	neg		pos	A	0	0	3	12	152	1c	1bi	x 1	neg	pos	neg	В	0	0		0	
		1bi	x	3	pos		pos		0	0	3	12			1biv 0	X I	pos	pos	neg	В		0		0	
	1c	0 1biii	x	3	pos nea		neg neg		0	0	1	4		1c		x	neg	pos		A		0		6	
56	2	1biv	x	3			neg		0	0	2	8	156		1bi	x 3	pos	neg	neg			0		6	
		0	x	3	neg		pos	A	0	0	2	8		1c 2		x	neg	pos	pos	A B		0		8	
		1biii 1biii					neg pos	В	3	12	1	4		1c	0	x 1		pos		В		3		8	
		1biii	x :	2	neg			A	3	3	2	8	160	2	1biii	x 3	neg	pos	neg	В		0		4	
	1c		x	2				В	0	0	2	8		1c		x 1		pos		В		0		8	
	2 1c		x x				neg pos	В	3	3	1	3		2 1b	1biv 0	X 2	neg neg	pos		B B		0		4	
64		1biii	x				neg	A	2	6	0	0			1biii		neg	pos	pos	В		3		4	
65	1c	0	x	2	neg	pos	pos	A	0	0	1	4		1ь 1с	0	x c	neg	pos	pos			0		6	
	1c		×					В	0	0	3	12		1c 1b	0	x 2	neg	pos		B A		0		4	
	1b		x	2			pos	A	3	6	1	4	168	1c	0	х	neg	pos	pos	А	0	0	2	8	
69	1c	0	x :	3	neg	pos	neg	А	0	0	1	4			1bi	x 1	neg	pos	neg	В		0		4	
	2	1biii	x				neg		0	0	2	8		1b 1c		x 1	neg	pos	neg pos	A		0		4	
	2						neg pos	A	3	9	1	3	172	1c	0	x 2	neg	pos		A		0		8	
73	1b	0	×	2	neg	pos	neg	В	0	0	2	6	173		1bi	x 2	neg	pos	neg	В		3		n.a.	
		1bii					_	A	0	0	2	6		1c is	0	×	pos	pos	neg	В		0	2	12 8	
		1biii 1biii					pos neg	A	0	0	2	8		1c	0	x 2	neg	pos		В		0	3	12	
77	2	1bi	x	3			pos	A	0	0	1	4			1biii	х	neg	pos	pos			0		8	
78	2	1biii	x	2	neg	pos	neg	A	0	0	1	4				X C	neg	pos		A		0		12 8	
		1bi 0					neg pos	A	0	0	0	0	179	1c	0	x 3	pos	pos neg	neg neg			0		4	
81	2	1biii	x	3	neg	pos	pos	В	0	0	3	12	181	1ь	х	x	neg	pos	pos		3	3	2	6	
82	1c	1biii	x	_	neg	pos	neg	В	0	0	n.a.	n.a.		1b 1b	0	x 2	neg FISH	pos	pos	A		0		12	
83 84	1c 4h	1bi 2	1 X	3	neg neg		neg neg		0	0	0	0		1b 1c	0	x 2	neg	pos	pos neg	В		0		4	
85	1b	1bi	x	3			pos	В	0	0	3	12	185	1c	0	x 1	neg neg	pos	pos	Α	3	3	1	3	
86	1b	0	x		neg	pos	pos	A	0	0	2	8		1b	0	x	neg	pos		A		3		0	
87	1b	1biii	×	3	neg			В	0	0	2	4		1c 1b	0	× 2	neg	pos	pos neg	В		3		8	
88 89	2	0 1bi	x	2	neg neg		neg pos	В	0	0	2	8		1b	0	x 2	neg	neg	neg			3		8	
	2	2	x i	2	neg		pos	A	0	0	2	4	190	1b	0	x 2	neg	pos	pos	В	3	3		8	
90	2	0	x	2	neg	pos	pos	В	0	0	2	8	191	1c	0 1b=	x 3	neg	pos		В		6		4	
90 91		1biii	×	2			pos	A	0	0	2	12	192 193	1c	1biii	×	neg neg	pos pos		B A		3		9 8	
90 91 92	1c		18				pos pos	В	0	0	0	0	194	1ь	0	x 2	neg neg	pos		В		3		0	
90 91 92 93	2			2	neg l													pos							
90 91 92 93 94 95	2 2 2	0	x x	3	neg	pos	pos	A	0		0	0	195	2	1biii	x 2	neg			Α		0		8	
90 91 92 93 94 95 96	2 2 2 1c	0 2 1biii	x x	3	neg neg	pos neg	pos neg		3	3	0	0	196	2	2	х	neg	pos	neg	В	0	0	1	4	
90 91 92 93 94 95 96	2 2 1c 4d	0 2 1biii 1biii	x x	2	neg neg pos	pos neg pos	pos neg pos	A	0 3 0	0	0	0	196 197	2 1b	0	x	neg neg neg	pos pos	neg pos	B B	0		3		
90 91 92 93 94 95 96 97 98	2 2 1c 4d 1c	0 2 1biii 1biii	x x x x x x x x	2	neg neg pos neg neg	pos neg pos pos	pos neg pos pos		3	0 3 0	0	0	196 197 198 199	2 1b 1c	2 0 0 1biii	x x x x x 2	neg	pos	neg pos neg neg	B B	0 0 3 2	0	1 3 1 2	4 12	

Luminal TAAR1 (nuclear)

Intensity

DDC (cytoplasma)

**Table S1.** Patients characteristics and immunohistochemistry staining results of nuclear TAAR1 and cytoplasmatic DDC. (TNM-classification, G- Grading, HER2-status, ER- estrogen receptor, PR- progesterone receptor, luminal classification, immunohistochemistry staining: nuclear TAAR1 (intensity and IRS), cytoplasmatic DDC (intensity and IRS))

## Western blot showing $G_{i}$ - Protein expression of T47D cells after stimulation with Epinephrine

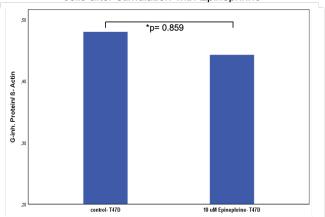


Figure S1. Western Blot analysis of  $G_i$ - protein expression in T47D cells after stimulation with Epinephrine. Bar chart of  $G_i$ - protein expression in T47D cells after incubation with  $10\mu M$  Epinephrine. Epinephrine showed no significant impact on T47D (p= 0.859).