

**Supplemental table 1.** Samples were used for NTRK2 staining. The diagnosis, age, menstrual phase and BMI of the patients that we collected the endometriotic eutopic and ectopic tissues.

Sample	Diagnosis	Location	Age	Menstrual Phase	BMI
1	Severe endometriosis (IV)	Ovarian	33	P	22.8
2	Severe endometriosis (IV)	Ovarian	33	P	22.2
3	Moderate endometriosis(III)	Ovarian	32	P	19.4
4	Moderate endometriosis(III)	Ovarian	33	S	22.4
5	Moderate endometriosis(III)	Ovarian	28	P	28.5
6	Moderate endometriosis(III)	Ovarian	25	S	22.9
7	Moderate endometriosis(III)	Ovarian	49	P	22.9
8	Severe endometriosis (IV)	Ovarian	41	P	21.1
9	Moderate endometriosis(III)	Ovarian	31	P	23.5
10	Moderate endometriosis(III)	Ovarian	45	S	20.9
11	Moderate endometriosis(III)	Ovarian	44	S	21.1
12	Moderate endometriosis(III)	Ovarian	29	P	20.7
13	Moderate endometriosis(III)	Ovarian	29	S	19.8
14	Severe endometriosis (IV)	Ovarian	27	P	18.9
15	Moderate endometriosis(III)	Ovarian	25	P	16
16	Severe endometriosis (IV)	Ovarian	40	S	21
17	Severe endometriosis (IV)	Ovarian	31	P	15.6
18	Mild endometriosis (II)	Peritoneal wall	35	P	20.1
19	Moderate endometriosis(III)	Ovarian	29	P	18.6
20	Mild endometriosis (II)	Ovarian	39	S	20.1
21	Severe endometriosis (IV)	Ovarian	39	S	19.7
22	Moderate endometriosis(III)	Ovarian	37	P	22.6
23	Severe endometriosis (IV)	Ovarian	48	S	25.7
24	Moderate endometriosis(III)	Ovarian	27	S	23
25	Moderate endometriosis(III)	Ovarian	29	P	21.7
26	Moderate endometriosis(III)	Ovarian	24	S	20.4
27	Severe endometriosis (IV)	Ovarian	35	S	24.7
28	Moderate endometriosis(III)	Ovarian	35	P	20.5
29	Moderate endometriosis(III)	Ovarian	31	S	29.6
30	Moderate endometriosis(III)	Ovarian	37	P	14.8
31	Moderate endometriosis(III)	Ovarian	39	S	20.6
32	Moderate endometriosis(III)	Ovarian	26	P	27
33	Severe endometriosis (IV)	Ovarian	34	P	21.8

34	Moderate endometriosis(III)	Ovarian	38	S	19.9
35	Moderate endometriosis(III)	Ovarian	22	P	18.8
36	Moderate endometriosis(III)	Ovarian	28	S	17.4
37	Severe endometriosis (IV)	Ovarian	33	S	29.3
38	Moderate endometriosis(III)	Ovarian	42	P	20.7
39	Severe endometriosis (IV)	Ovarian	39	P	18.9
40	Moderate endometriosis(III)	Ovarian	26	P	19
41	Moderate endometriosis(III)	Ovarian	37	P	21.1
42	Severe endometriosis (IV)	Ovarian	33	S	20.5
43	Severe endometriosis (IV)	Ovarian	43	S	20.8
44	Severe endometriosis (IV)	Ovarian	26	S	20.7
45	Moderate endometriosis(III)	Ovarian	43	P	18
46	Moderate endometriosis(III)	Ovarian	39	S	26.4
47	Severe endometriosis (IV)	Ovarian	35	P	18.2
48	Moderate endometriosis(III)	Ovarian	38	P	24.1
49	Moderate endometriosis(III)	Ovarian	33	S	27.2
50	Severe endometriosis (IV)	Ovarian	34	S	19.1
51	Moderate endometriosis(III)	Ovarian	27	S	21.6
52	Moderate endometriosis(III)	Ovarian	39	S	19.3
53	Severe endometriosis (IV)	Ovarian	24	P	17.4
54	Severe endometriosis (IV)	Ovarian	41	S	22
55	Severe endometriosis (IV)	Ovarian	36	P	21.9
56	Moderate endometriosis (III)	Ovarian	23	S	19.6
57	Moderate endometriosis (III)	Ovarian	30	P	20.4
58	Moderate endometriosis (III)	Ovarian	31	P	18.8
59	Severe endometriosis (IV)	Ovarian	41	P	20.3
	average		33.89831		21.22034
	STDEV		6.522362		3.101767

\*BMI, body mass index; P, proliferative phase; S, secretory phase; STDEV, standard deviation.