

Supporting Information

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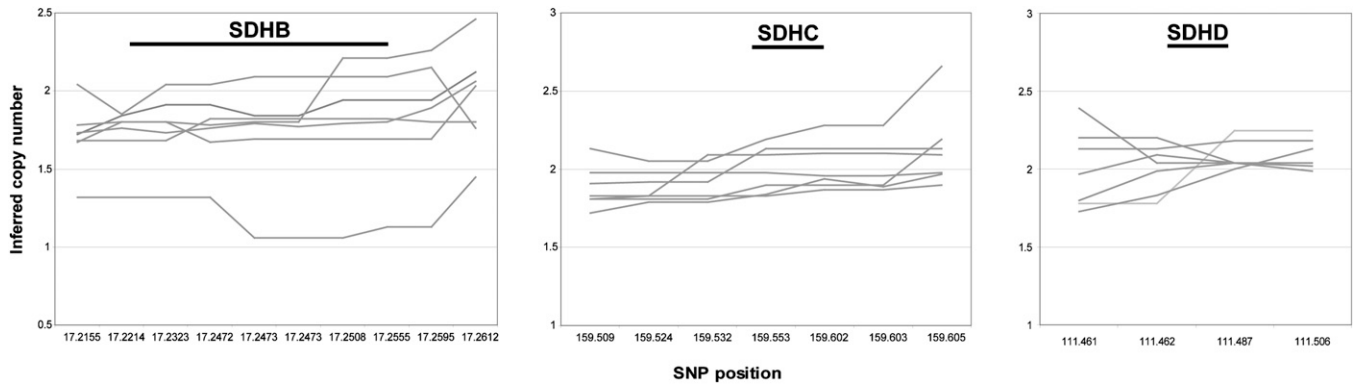


Fig. S1. Inferred copy number at the succinate dehydrogenase subunit B (*SDHB*), *SDHC*, and *SDHD* loci.

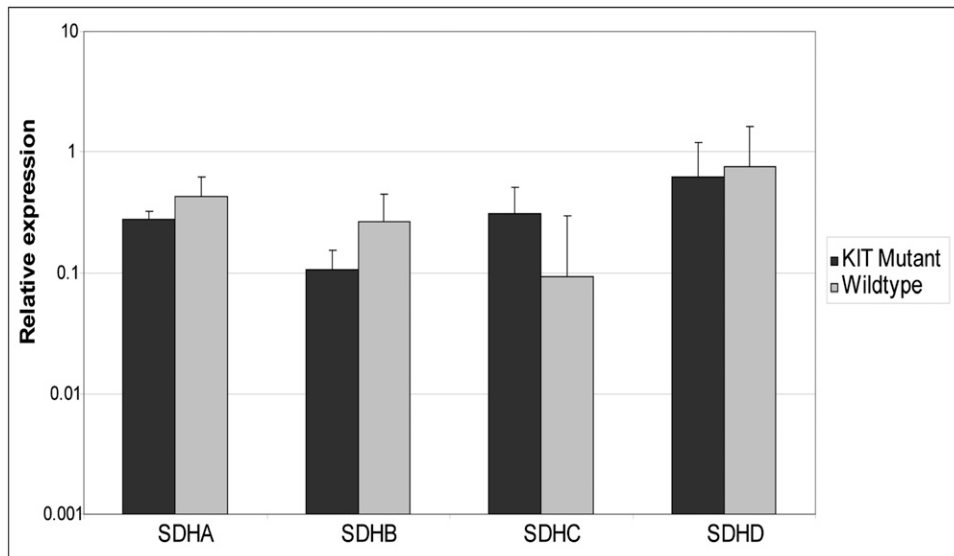


Fig. S2. Expression of *SDHA*, *SDHB*, *SDHC*, and *SDHD* mRNA relative to β -actin.

Table S1. Baseline characteristics and results for each gastrointestinal stromal tumor case included in the study

Case	Age (y)	SDHx genotype source	SDHB/C/D mutation	SDH IHC score	SDH Western blot	SDHAF2 mutation	SDHA mutation
1	5	Germline	None	ND	ND	None	ND
2	7	Germline	(SDHD c. 34 G > A)	ND	ND	None	ND
3	8	Germline	None	0	ND	None	ND
4	9	ND	ND	0	ND	ND	ND
5	9	Germline	None	ND	ND	None	ND
6	10	Tumor	None	0	Absent	None	ND
7	10	Tumor	None	0	ND	ND	ND
8	10	Tumor	None	0	ND	ND	ND
9	10	Tumor	None	0	ND	ND	ND
10	10	Tumor	None	0	ND	ND	ND
11	10	Germline	None	ND	ND	None	ND
12	11	Germline	None	0	ND	None	ND
13	12	Germline	None	ND	ND	None	ND
14	12	Germline	None	ND	ND	None	ND
15	12	Tumor	None	ND	Absent	None	None
16	14	Tumor	None	0	ND	ND	ND
17	14	Germline	None	ND	ND	None	ND
18	14	Tumor	None	ND	Absent	None	ND
19	14	Tumor	None	ND	Absent	None	ND
20	15	Tumor	None	ND	Absent	None	ND
21	16	Tumor	None	0	Absent	None	None
22	16	Tumor	None	0	Absent	None	None
23	16	Germline	None	0	ND	None	ND
24	16	Germline	SDHC c. 405+1 G > A	ND	ND	None	ND
25	17	Tumor	None	0	Absent	None	None
26	18	Tumor	None	0	ND	ND	ND
27	18	Germline	SDHB c.274 T > A/T	0	ND	None	ND
28	19	Germline	None	0	ND	None	ND
29	20	Germline	None	ND	ND	None	ND
30	21	Tumor	None	0	ND	ND	ND
31	21	Germline	SDHB c. 725 G > A/G	ND	ND	None	ND
32	21	Germline	None	ND	ND	None	ND
33	22	Germline	SDHB c. 600 G > G/T	0	ND	None	ND
34	22	ND	ND	0	ND	ND	ND
35	23	Tumor	None	0	ND	ND	ND
36	24	Germline	None	ND	ND	None	ND
37	25	Tumor	None	0	ND	ND	ND
38	26	Germline	None	0	ND	None	ND
39	27	Germline	None	1+	ND	None	ND
40	27	Germline	None	ND	ND	None	ND
41	28	Germline	None	ND	ND	None	ND
42	30	Germline	None	ND	ND	None	ND
43	30	Germline	None	ND	ND	None	ND
44	31	Germline	None	0	ND	None	ND
45	34	Germline	None	ND	ND	None	ND
46	41	Germline	None	ND	ND	None	ND
47	46	Germline	None	ND	ND	None	ND
48	49	ND	ND	0	ND	ND	ND
49	54	Germline	None	ND	ND	None	ND
50	55	Germline	None	ND	ND	None	ND
51	56	Germline	None	ND	ND	None	ND
52	56	ND	ND	1+	ND	ND	ND
53	57	Germline	None	1+	ND	None	ND
54	57	Germline	None	ND	ND	None	ND
55	58	Germline	(SDHD c. 34 G > A)	1+	ND	None	ND
56	63	ND	ND	1+	ND	ND	ND

SDH, succinate dehydrogenase; IHC, immunohistochemistry; ND, not done.