

Supplemental Table 2: Expression of *MMR* genes according to bio-clinical characteristics of PitNETs.

		<i>MSH2</i> mRNA	P	<i>MSH6</i> mRNA	P	<i>MLH1</i> mRNA	P	<i>PMS2</i> mRNA	P
SEX	All								
	F (n=65)	7.52	0.568	1.34	0.336	7.27	0.978	1.44	0.830
	M (n=62)	[0.3-192] 6.43 [0.2-216]		[0.04-12.7] 1.81 [0.1-24.9]		[0.3-210] 6.99 [0.3-108]		[0.1-16.7] 1.33 [0.1-20.1]	
	PIT1								
	F (n=26)	9.84	0.661	0.94	0.777	9.54	0.519	1.91	0.602
	M (n=28)	[0.3-192] 4.51 [0.2-216]		[0.04-10.5] 0.96 [0.2-24.9]		[0.9-210] 7.03 [0.5-108]		[0.2-16.7] 1.09 [0.1-20.1]	
	SF1								
	F (n=20)	10.5	0.826	3.39	0.497	8.21	0.841	1.55	0.709
	M (n=31)	[0.3-151] 10.3 [0.2-108]		[0.1-12.7] 2.96 [0.1-10.6]		[1.3-36.6] 6.99 [0.3-33.8]		[0.1-6.3] 1.64 [0.1-5.2]	
	TPIT								
YOUNG	F (n=19)	2.65	0.787	1.10	0.857	5.69	0.857	0.86	0.262
	M (n=3)	[0.3-61.6] 3.40 [0.4-4.8]		[0.1-3.6] 0.79 [0.5-2.0]		[0.3-65.6] 5.35 [3.7-7.0]		[0.2-6.3] 0.45 [0.3-1.0]	
	All								
	≤30 years (n=17)	1.42	0.022	1.03	0.052	4.74	0.190	0.83	0.644
	>30 years (n=110)	[0.3-84.5] 7.77 [0.2-216]		[0.1-5.4] 1.60 [0.04-24.9]		[0.9-108] 7.02 [0.3-210]		[0.4-9.3] 1.39 [0.1-20.1]	
	PIT1								
	≤30 years (n=16)	2.21	0.087	0.84	0.673	4.74	0.132	0.83	0.551
	>30 years (n=38)	[0.3-84.5] 9.84 [0.2-216]		[0.1-5.4] 0.94 [0.04-24.9]		[0.9-108] 9.48 [0.5-210]		[0.4-9.3] 1.81 [0.1-20.1]	
	SF1								
	≤30 years (n=0)	-	-	-	-	-	-	-	-
	>30 years (n=51)	10.3 [0.2-151]		3.02 [0.1-12.7]		7.00 [0.3-36.6]		1.57 [0.1-6.3]	
	TPIT								
	≤30 years (n=1)	0.38	0.182	1.40	0.727	3.86	0.667	0.54	0.952
	>30 years (n=21)	3.11 [0.3-61.6]		0.97 [0.1-3.6]		5.81 [0.3-65.6]		0.79 [0.2-6.3]	

FUNCTIONING

All									
	Yes (n=64)	8.47 [0.2-151]	0.061	0.93 [0.04-24.9]	<0.001	6.98 [0.3-210]	0.702	1.11 [0.2-20.1]	0.592
	No (n=63)	4.58 [0.2-216]		2.35 [0.1-12.7]		6.99 [0.3-36.6]		1.46 [0.1-6.3]	
PIT1									
	Yes (n=47)	6.38 [0.2-216]	0.067	0.89 [0.04-24.9]	0.495	9.40 [0.9-210]	0.071	1.81 [0.2-20.1]	0.198
	No (n=7)	1.42 [0.4-11.5]		1.44 [0.2-2.6]		4.06 [0.5-11.2]		0.96 [0.1-4.2]	
SF1									
	Yes (n=3)	7.68 [0.3-11.6]	0.304	3.02 [1.6-7.3]	0.836	8.09 [1.3-9.6]	0.635	1.39 [0.5-2.2]	0.555
	No (n=48)	10.8 [0.2-151]		2.99 [0.1-12.7]		7.0 [0.3-36.6]		1.60 [0.1-6.3]	
TPIT									
	Yes (n=14)	1.27 [0.3-61.6]	0.002	0.85 [0.1-2.1]	0.095	4.68 [0.3-65.6]	0.185	0.45 [0.2-4.6]	0.030
	No (n=8)	5.85 [3.1-35.1]		1.33 [0.8-3.6]		6.86 [3.7-29.9]		1.34 [0.5-6.3]	

SIZE CLASS

All									
	m (n=9)	1.60 [0.3-192]	0.413	1.34 [0.1-10.5]	0.209	5.94 [0.3-210]	0.856	0.53 [0.2-16.7]	0.124
	Ma (n=100)	6.68 [0.2-216]		1.42 [0.04-24.9]		6.90 [0.5-108]		1.30 [0.1-20.1]	
	G (n=18)	10.3 [0.2-151]		2.66 [0.1-12.7]		8.36 [0.3-36.6]		2.24 [0.1-6.3]	
PIT1									
	m (n=3)	39.0 [8.9-192]	0.100	1.89 [1.88-10.5]	0.112	67.7 [39.7-210]	0.021	7.64 [5.6-16.7]	0.042
	Ma (n=47)	4.97 [0.2-216]		0.89 [0.04-24.9]		7.66 [0.5-108]		1.11 [0.1-20.1]	
	G (n=4)	2.47 [0.3-14.1]		0.77 [0.1-2.6]		4.78 [0.9-9.4]		2.24 [0.5-4.2]	
SF1									
	m (n=0)	-	0.534	-	0.302	-	0.161	-	0.011
	Ma (n=40)	9.84 [0.3-108]		2.84 [0.1-10.9]		6.80 [1.1-31.2]		1.36 [0.1-4.8]	
	G (n=11)	11.4 [0.2-151]		3.63 [0.1-12.7]		17.7 [0.3-36.6]		2.30 [0.1-6.3]	
TPIT									
	m (n=6)	0.81 [0.3-4.8]	0.072	0.57 [0.1-1.7]	0.116	4.81 [0.3-10.2]	0.371	0.45 [0.2-0.6]	0.110
	Ma (n=13)	3.40 [0.4-61.6]		0.97 [0.4-3.6]		5.84 [1.9-65.6]		1.14 [0.3-4.6]	
	G (n=3)	16.6 [3.1-35.1]		1.55 [1.3-2.1]		10.7 [3.8-29.9]		1.55 [0.5-6.3]	

INVASIVENESS	All								
	Yes (n=64)	6.13 [0.2-151]		1.55 [0.1-12.7]		6.98 [0.3-100]		1.39 [0.1-20.1]	
	No (n=61)	7.68 [0.3-216]	0.349	1.40 [0.04-24.9]	0.904	7.00 [0.3-210]	0.434	1.36 [0.1-16.7]	0.512
	PIT1								
	Yes (n=26)	1.63 [0.2-129]		0.72 [0.1-2.6]		5.10 [0.5-100]		1.04 [0.1-20.1]	
	No (n=27)	14.1 [0.4-216]	0.005	1.38 [0.04-24.9]	0.012	17.7 [2.4-210]	0.002	3.04 [0.4-16.7]	0.005
	SF1								
	Yes (n=27)	14.6 [0.2-151]		3.62 [0.1-12.7]		8.48 [0.3-36.6]		2.00 [0.1-6.3]	
	No (n=24)	7.94 [0.7-108]	0.107	2.60 [0.1-10.6]	0.120	6.57 [1.4-31.2]	0.167	1.17 [0.1-4.8]	0.015
	TPIT								
RECURRENT	Yes (n=11)	3.40 [0.4-61.6]		1.40 [0.5-3.6]		7.35 [1.9-65.6]		0.54 [0.3-6.3]	
	No (n=10)	2.46 [0.3-7.9]	0.605	0.85 [0.1-2.1]	<i>0.061</i>	4.30 [0.3-10.2]	0.105	1.01 [0.2-2.2]	0.824
	All								
	Yes (n=13)	4.52 [0.3-151]		1.57 [0.2-12.7]		5.10 [0.5-36.6]		1.99 [0.1-6.3]	
	No (n=114)	7.25 [0.2-216]	0.491	1.44 [0.04-24.9]	0.772	7.06 [0.3-210]	0.367	1.34 [0.1-20.1]	0.849
	PIT1								
	Yes (n=5)	3.00 [0.7-50.6]		0.51 [0.2-4.5]		4.74 [0.5-22.4]		2.90 [0.1-3.5]	
	No (n=49)	5.57 [0.2-216]	0.350	0.96 [0.04-24.9]	0.398	9.26 [0.9-210]	0.192	1.19 [0.2-20.1]	0.605
	SF1								
	Yes (n=6)	7.79 [0.3-151]		2.11 [1.2-12.7]		4.94 [1.3-36.6]		1.65 [0.5-4.8]	
RECURRENT	No (n=45)	11.4 [0.2-108]	0.466	3.03 [0.1-10.9]	0.943	7.22 [0.3-33.8]	0.382	1.57 [0.1-6.3]	0.989
	TPIT								
	Yes (n=2)	17.8 [0.4-35.1]		1.77 [1.6-2.0]		18.5 [7.0-29.9]		3.38 [0.4-6.3]	
	No (n=20)	2.88 [0.3-61.6]	0.952	0.95 [0.1-3.6]	0.173	5.66 [0.3-65.6]	0.152	0.58 [0.2-4.6]	0.610

Legend: Data are expressed in median [range]; P values refer to 2- or 3-groups comparisons (Mann-Whitney and Kruskal-Wallis tests, respectively), with significant values in bold and non-significant trends (P 0.05-0.10) in italics.

Abbreviations: F, female; M, male; m, microtumors; Ma, macrotumors; G, giant tumors .Significant and nearly-significant P values are indicated in italics.