

Nail Melatonin Content: A Suitable Non-Invasive Marker of Melatonin Production

Alex Gomez-Gomez, Blanca Montero-San Martin, Noemí Haro and Oscar J Pozo

Supplemental Information

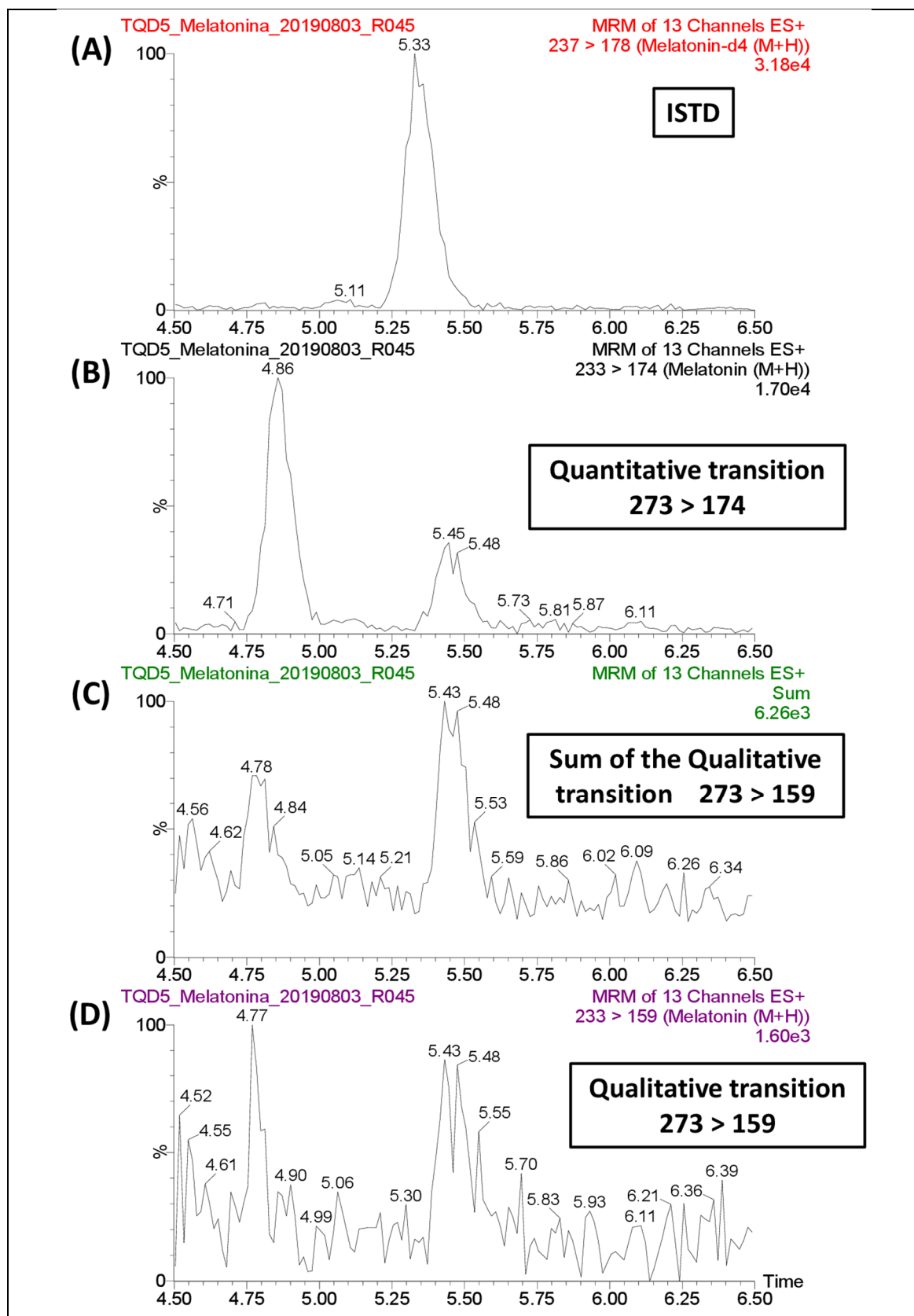


Figure S1. Chromatogram representation of SRM transitions of melatonin in a real nail sample (18 fg/mg). (A) Melatonin-d4, (B) Melatonin (273 > 174 transition, quantitative), (C) Melatonin (summation of 273 > 159 transition, qualitative) and (D) Melatonin (single 273 > 159 transition, qualitative).

Table S1. Melatonin levels (in fg/mg) in the selected population. Abbreviations: F: female and M: male.

Vol.	Age	Sex	Melatonin	Vol.	Age	Sex	Melatonin	Vol.	Age	Sex	Melatonin
1	5	F	134	29	50	F	61	57	31	M	118
2	6	F	86	30	54	F	18	58	32	M	138
3	6	F	123	31	59	F	62	59	33	M	52
4	7	F	158	32	60	F	23	60	36	M	89
5	8	F	153	33	60	F	38	61	40	M	82
6	17	F	58	34	61	F	82	62	42	M	55
7	20	F	149	35	62	F	83	63	43	M	44
8	25	F	55	36	64	F	76	64	43	M	117
9	27	F	52	37	64	F	103	65	44	M	20
10	27	F	54	38	66	F	79	66	44	M	60
11	29	F	250	39	69	F	9	67	47	M	31
12	31	F	42	40	69	F	38	68	47	M	36
13	34	F	123	41	69	F	50	69	47	M	52
14	35	F	122	42	70	F	9	70	48	M	38
15	36	F	35	43	71	F	15	71	48	M	61
16	36	F	128	44	71	F	36	72	49	M	28
17	37	F	45	45	71	F	45	73	53	M	71
18	40	F	26	46	72	F	13	74	54	M	34
19	40	F	127	47	72	F	85	75	58	M	18
20	43	F	25	48	73	F	89	76	61	M	30
21	43	F	39	49	84	F	25	77	63	M	19
22	43	F	67	50	96	F	12	78	65	M	58
23	43	F	69	51	5	M	208	79	67	M	37
24	47	F	34	52	7	M	102	80	69	M	21
25	47	F	65	53	8	M	119	81	70	M	16
26	47	F	107	54	14	M	147	82	71	M	19
27	48	F	51	55	19	M	76	83	75	M	80
28	50	F	47	56	27	M	67	84	79	M	29

Table S2. Melatonin levels (in fg/mg) in fingernails and toenails. Abbreviations: F: female and M: male.

Vol.	Age	Sex	Melatonin (fg/mg)	
			Fingernails	Toenails
1	5	F	134	52
2	6	F	86	53
3	6	F	123	119
4	8	F	153	141
5	27	F	52	75
6	40	F	127	139
7	43	F	67	42
8	47	F	34	131
9	47	F	107	56
10	50	F	47	21
11	58	F	67	47
12	59	F	62	196
13	71	F	45	22
14	27	M	67	28
15	32	M	138	101
16	42	M	55	32
17	43	M	117	112
18	44	M	60	18
19	47	M	31	37
20	48	M	24	10
21	61	M	30	28
22	75	M	80	26

Abbreviations: Vol.: Volunteer.