

Appendix 1 to Steinberg LJ, Underwood MD, Bakalian MJ, et al. 5-HT<sub>1A</sub> receptor, 5-HT<sub>2A</sub> receptor and serotonin transporter binding in the human auditory cortex in depression. J Psychiatry Neurosci 2019.

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**Supplementary table 1:** Subject level information on sex, age, race/ethnicity, post-mortem interval (PMI), brain pH, cause of death (GSW = gun shot wound, CV = cardiovascular accident, CI = corrosive ingestion, NA = not available), diagnosis (MDD = major depressive disorder, BIP = bipolar disorder), and brain toxicology (NA = not available, ACEI = angiotensin converting enzyme inhibitor).

Subj	Sex	Age	Race/ Ethnicity	PMI (hrs)	Brain pH	Cause of death	Diagnosis	Brain Tox
1	Female	29	Asian	4.00	6.36	GSW	MDD	clear
2	Female	75	White	15.50	6.24	NA	MDD	lidocaine
3	Female	34	White	4.00	6.93	Hanging	MDD	clear
4	Female	61	White	11.00	6.83	Hanging	MDD	clear
5	Female	28	White	19.00	6.32	Fall	MDD	clear
6	Female	59	White	18.00	6.95	GSW	MDD	NA
7	Female	35	White	19.00	6.72	Hanging	MDD	clear
8	Female	49	White	13.00	5.85	CI	BIP	clear
9	Female	70	White	6.00	5.94	Overdose	MDD	anxiolytic, caffeine
10	Female	56	White	6.00	5.67	Overdose	MDD	anxiolytic, ACEI, caffeine
11	Female	51	White	12.00	6.00	CI	MDD	caffeine
12	Male	36	White	15.00	6.56	GSW	BIP	clear
13	Male	77	White	18.00	6.40	Hanging	MDD	clear
14	Male	63	White	12.75	6.34	CV	MDD	clear
15	Male	26	White	9.00	6.59	GSW	MDD	clear
16	Male	58	Hispanic	15.50	6.34	Hanging	MDD	clear
17	Male	77	White	13.00	NA	GSW	MDD	NA
18	Male	23	Black	16.00	6.50	NA	MDD	clear
19	Male	14	Black	16.00	6.63	Hanging	MDD	clear
20	Male	70	White	15.50	6.51	CV	MDD	lidocaine, epinephrine
21	Male	22	White	17.50	6.92	GSW	MDD	clear
22	Male	19	White	12.50	6.53	CV	MDD	clear
23	Male	64	White	19.50	6.38	GSW	MDD	ACEI
24	Male	13	White	18.00	6.43	CI	MDD	clear
25	Male	17	White	17.50	6.77	GSW	MDD	clear
26	Male	72	Hispanic	22.00	6.87	GSW	MDD	clear
27	Male	24	White	21.00	5.85	Drowning	BIP	lidocaine
28	Male	43	Hispanic	15.00	6.24	Asphyxiation	MDD	clear
29	Male	55	White	19.00	6.59	Hanging	MDD	clear
30	Male	40	White	20.00	6.77	Hanging	MDD	clear
31	Male	71	White	23.00	6.86	Fall	MDD	clear
32	Male	62	White	21.00	6.37	Drowning	MDD	clear
33	Male	53	Hispanic	26.50	6.71	Hanging	MDD	clear
34	Male	59	Hispanic	24.50	6.77	Hanging	MDD	clear
35	Male	83	White	22.00	6.60	GSW	MDD	clear
36	Male	17	White	35.00	6.42	Overdose	MDD	anxiolytic, ACEI, barbiturate

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**Supplementary table 2:** Subject level information on sex, age, race/ethnicity, post-mortem interval (PMI), brain pH, cause of death (MVA = motor vehicle accident, CV = cardiovascular accident, NA = not available), diagnosis and brain toxicology.

Subj	Sex	Age	Race/Ethnicity	PMI (hrs)	Brain pH	Cause of death	Diagnosis	Brain Tox
1	Female	30	Black	8.00	6.73	CV	none	clear
2	Female	41	Black	8.00	6.70	CV	none	clear
3	Female	17	White	22.00	6.57	MVA	none	lidocaine
4	Female	35	White	26.00	6.72	MVA	none	clear
5	Female	45	White	22.00	NA	CV	none	NA
6	Female	75	White	18.00	6.21	MVA	none	clear
7	Female	49	White	20.00	5.68	Respiratory Failure	none	clear
8	Female	46	White	9.00	6.60	CV	none	lidocaine, caffeine
9	Female	54	White	17.00	6.80	MVA	none	clear
10	Male	44	Asian	21.00	6.86	Electrocution	none	clear
11	Male	66	Black	24.00	6.38	CV	none	clear
12	Male	53	Black	9.00	NA	Industrial Accident	none	clear
13	Male	37	Black	15.00	6.75	CV	none	clear
14	Male	43	Black	21.00	6.76	CV	none	clear
15	Male	56	Hispanic	22.00	6.56	CV	none	clear
16	Male	18	Hispanic	14.00	6.72	CV	none	clear

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17	Male	24	Hispanic	12.00	NA	CV	none	NA
18	Male	32	Hispanic	13.00	6.75	CV	none	lidocaine
19	Male	18	Hispanic	16.00	6.80	MVA	none	clear
20	Male	18	Hispanic	11.00	7.07	Fall	none	clear
21	Male	79	White	9.75	5.96	CV	none	clear
22	Male	54	White	8.75	6.63	CV	none	clear
23	Male	39	White	13.50	6.49	MVA	none	clear
24	Male	73	White	10.50	6.16	MVA	none	clear
25	Male	66	White	8.00	6.56	CV	none	clear
26	Male	25	White	9.50	6.87	Stabbing	none	clear
27	Male	59	White	16.00	6.63	CV	none	clear
28	Male	85	White	7.00	6.22	CV	none	clear
29	Male	47	White	14.50	6.72	CV	none	clear
30	Male	41	White	8.00	6.12	CV	none	lidocaine
31	Male	66	White	19.00	6.10	CV	none	clear
32	Male	43	White	23.00	6.60	CV	none	clear
33	Male	60	White	16.00	6.58	CV	none	clear
34	Male	51	White	9.00	6.35	CV	none	lidocaine
35	Male	39	White	14.00	6.79	CV	none	clear

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<b>36</b>	Male	56	White	13.00	6.90	CV	none	clear
<b>37</b>	Male	58	White	22.00	6.44	CV	none	lidocaine
<b>38</b>	Male	89	White	11.00	6.57	MVA	none	clear
<b>39</b>	Male	53	White	16.00	6.24	Stabbing	none	clear
<b>40</b>	Male	35	White	10.00	6.64	MVA	none	clear

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