

Appendix 1 to Martin V, Mathieu L, Diaz J, et al. Key role of the 5-HT_{1A} receptor addressing protein Yif1B in serotonin neurotransmission and SSRI treatment. *J Psychiatry Neurosci* 2020.

DOI: 10.1503/jpn.190134

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Figure S1. Depressive-like behavior in Yif1B-KO vs WT littermate female mice. Total immobility recorded during the 6 min of FST was identical in WT (n=11) and Yif1B-KO (n=8) mice.

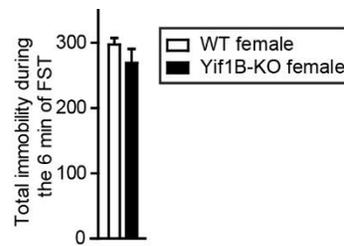


Fig.S1

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Figure S2. Characteristic of the human subjects (A) and correlation between Yif1B and 5-HT_{1A}R protein levels in the PFC of subjects determined by western blot (B). A statistically significant correlation (using Spearman correlation analysis) was observed between Yif1B and 5-HT_{1A}R levels when all subjects (n=38) were analyzed together but significance was not reached for each group taken separately (control women, n=9, p=0.4101; MDD women, n=9, p=0.9768; control men, n=10, p=0.5603; MDD men, n=10, p=0.9768). F-female; M-male; W- white; B-black; PMI-post-mortem interval in hours.

A.

| Sex/Race/Age [y] | PMI [h] | Sex/Race/Age [y] | PMI [h] | Age of onset [y] | Duration of MDD [y] |
|------------------|---------|------------------|---------|------------------|---------------------|
| Control | | MDD | | | |
| F/W/49 | 20 | F/W/44 | 29 | 32 | 12 |
| F/W/41 | 6.5 | F/W/42 | 7 | 30 | 12 |
| F/B/58 | 12 | F/W/63 | 18 | 20 | 43 |
| F/B/51 | 22 | F/W/50 | 23 | 25 | 25 |
| F/W/50 | 27 | F/W/50 | 28 | 30 | 20 |
| F/W/83 | 25 | F/W/87 | 24 | 46 | 41 |
| F/W/38 | 11 | F/W/38 | 12 | 25 | 13 |
| F/W/49 | 29 | F/W/48 | 24 | 34 | 14 |
| F/W/44 | 32 | F/W/36 | 25 | 20 | 16 |
| M/W/71 | 24 | M/W/74 | 24 | 72 | 2 |
| M/W/44 | 6 | M/W/45 | 8 | 43 | 2 |
| M/W/59 | 6 | M/W/62 | 5 | 43 | 19 |
| M/W/27 | 17 | M/B/30 | 18 | 27 | 3 |
| M/W/73 | 22 | M/W/74 | 25 | 50 | 24 |
| M/W/58 | 21 | M/W/53 | 29 | 28 | 25 |
| M/W/47 | 17 | M/W/47 | 11 | 20 | 27 |
| M/B/53 | 23 | M/W/54 | 23 | 51 | 3 |
| M/W/82 | 16 | M/W/82 | 12 | 73 | 9 |
| M/B/27 | 11 | M/W/36 | 11 | 35 | 1 |

