Table X. Serotonin

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| **Gene Knockout/Knockin/**  **Overexpression\*** | **Background** | **Operant** | **2BC** | **References** |
| Tryptophan 5-hydroxylase 2 (*Tph2*) | B6 × 129S6/SvEvTac |  | ↑ | Sachs et al., 2014 [306] |
| 5-hydroxytryptamine receptor (5-HTR),  5-HTR1B (*Htr1b*) | Not specified | ↑ (23 h; 10% phase 1; males/females) |  | Risinger et al., 1999 [13] |
|  | 129/Sv-Ter |  | ↑ males/females | Crabbe et al., 1996 [1] |
|  | 129/Sv |  | — males | Bouwknecht et al., 2000 [22] |
| 5-HTR3A\* (*Htr3a*) | B6  DBA/2J |  | ↓  — | Metz et al., 2006 [131] |
| *Htr3a*\* | B6 | — (30 min) |  | McKenzie-Quirk et al., 2005 [92] |
| 5-HTR6 (*Htr6*) | B6 |  | — | Bonasera et al., 2006 [129] |
| Sodium-dependent serotonin transporter (*Slc6a4*) | B6 | ↓ (90 min) |  | Lamb and Daws, 2013 [300] |
|  | B6 |  | ↓ | Kelai et al., 2003 [50] |
|  | B6 |  | ↓ intake 7%; females | Boyce-Rustay et al., 2006 [142] |

–, ↓, ↑: no significant difference, decreased ethanol intake and/or preference, or increased ethanol intake and/or preference, respectively, in mutant *vs*. wildtype mice. Male mice were tested unless indicated otherwise. Ethanol intake in the two-bottle choice (2BC) test was measured in 24-h sessions. Drinking session times for the operant test are indicated in parenthesis. Recommended mouse protein and gene (in italics) names are from Uniprot. B6 refers to C57BL/6J and mice.