

Supplementary Table S2 Summary statistics for meta-analysis of DAT1 3'-UTR VNTR 10-repeat allele as risk allele versus 9-repeat allele, in all ADHD samples as well as stratified by age or ethnicity. Including heterogeneity statistics, literature bias analysis followed by Trim and Fill corrections.

| ID included | Total no. Studies included | Definition | Heterogeneity statistics (I2) | | | | Synthesis model | | Synthesis details | | | | | | | Begg's test | | | | | Egger's regression test (intercept) | | | | | Trim and fill correction | | | |
|--|----------------------------|---|-------------------------------|---------|---------|----------------|-----------------|--------|-------------------|---------------|---------------|---------|---------------|---------|--------|-------------|---------|---------|--------|---------|-------------------------------------|---------|---------|---------|--------|--------------------------|----|-----|-----|
| | | | Estimate | CI- | CI+ | p-value | Fixed | Random | N | OR | ci- | ci+ | z | p | tau b | k | S (P-Q) | ties | z | p | coef | se | ci- | ci+ | z | p | OR | ci- | ci+ |
| 1-71 | 71 | all ADHD | 50.003% | 34.19% | 62.017% | 0 | | Yes | 40129 | 1.0552 | 0.9880 | 1.1269 | 1.6001 | 0.1096 | 0.1328 | 71 | 331 | 0 | 1.6380 | 0.1014 | 0.3364 | 0.3378 | -0.3258 | 0.9984 | 0.9957 | 0.3194 | | | |
| 28, 31, 35, 38, 46-49, 54, 56, 58, 64 | 12 | Adult ADHD | 0% | 0% | 58.316% | 0.53629 | Yes | 9047 | 0.9368 | 0.8673 | 1.0119 | -1.6588 | 0.0972 | -0.2576 | 12 | -18 | 0 | -1.1657 | 0.2437 | -1.1950 | 0.9114 | -2.9812 | 0.5913 | -1.3112 | 0.1898 | | | | |
| 28, 31, 35, 46-49, 54, 56, 58, 64 | 11 | Adult ADHD (Excl. Gizer) | 0% | 0% | 60.229% | 0.50324 | Yes | 8041 | 0.9278 | 0.8558 | 1.0058 | -1.8189 | 0.0689 | -0.2909 | 11 | -17 | 0 | -1.2456 | 0.2129 | -1.2117 | 0.9222 | -3.0192 | 0.5959 | -1.3138 | 0.1889 | | | | |
| 28, 31, 35, 46-48, 54, 58, 64 | 9 | Adult ADHD-EU | 0% | 0% | 64.798% | 0.61714 | Yes | 6423 | 0.8909 | 0.8118 | 0.9777 | -2.4356 | 0.0149 | -0.2500 | 9 | -10 | 0 | -0.9383 | 0.3481 | -1.1460 | 0.9673 | -3.0419 | 0.7499 | -1.1848 | 0.2361 | | | | |
| 49, 56 | 2 | Adult ADHD-Brazil | 0% | #NV | #NV | 0.81348 | Yes | 1618 | 1.0511 | 0.8930 | 1.2371 | 0.5989 | 0.5492 | #NV | #NV | #NV | #NV | #NV | #NV | #NV | #NV | #NV | #NV | #NV | #NV | | | | |
| 1-27, 29-30, 32-34, 36-37, 39-45, 50-53, 55, 57, 59-63, 65-71 | 59 | Children & Adolescent ADHD | 51.045% | 33.93% | 63.726% | 0 | Yes | 31082 | 1.1050 | 1.0203 | 1.1968 | 2.4545 | 0.0141 | 0.1356 | 59 | 233 | 0 | 1.5172 | 0.1292 | 0.3084 | 0.3569 | -0.3911 | 1.0078 | 0.8641 | 0.3875 | | | | |
| 1-2, 4-9, 11-15, 17, 19, 21-22, 24, 27, 34, 36-37, 39, 41-45, 50, 59, 62-63, 69-71 | 35 | Children & Adolescent ADHD-Caucasian | 48.545% | 23.743% | 65.28% | 0.0008 | Yes | 23715 | 1.1102 | 1.0225 | 1.2055 | 2.4885 | 0.0128 | 0.1546 | 35 | 93 | 0 | 1.3065 | 0.1914 | 0.3597 | 0.4937 | -0.6079 | 1.3273 | 0.7286 | 0.4663 | | | | |
| 1-2, 4-5, 7-9, 11, 14-15, 50, 69 | 12 | Children & Adolescent ADHD- North America | 55.367% | 14.633% | 76.664% | 0.01027 | Yes | 6037 | 1.1069 | 0.8996 | 1.3620 | 0.9598 | 0.3372 | 0.2273 | 12 | 16 | 0 | 1.0286 | 0.3037 | 0.9838 | 1.0625 | -1.0986 | 3.0661 | 0.9259 | 0.3545 | | | | |
| 13, 17, 19, 21-22, 24, 27, 34, 36-37, 39, 41-45, 59, 62-63, 70-71 | 21 | Children & Adolescent ADHD- Europe | 48.525% | 14.587% | 68.978% | 0.00695 | Yes | 17141 | 1.1301 | 1.0316 | 1.2379 | 2.6298 | 0.0085 | 0.1857 | 21 | 40 | 0 | 1.1777 | 0.2389 | 0.5349 | 0.6690 | -0.7763 | 1.8461 | 0.7996 | 0.4240 | | | | |
| 6,12, 18, 33, 53 | 5 | Children & Adolescent ADHD- Middle East | 0% | 0% | 79.204% | 0.58547 | Yes | 1081 | 0.9660 | 0.7902 | 1.1808 | -0.3381 | 0.7353 | -0.3000 | 5 | -4 | 0 | -0.7349 | 0.4624 | -2.9339 | 2.0409 | -6.9340 | 1.0663 | -1.4375 | 0.1506 | | | | |
| 10, 30, 40, 55, 60-61, 65 | 7 | Children & Adolescent ADHD- South America | 0% | 0% | 70.809% | 0.6861 | Yes | 2252 | 1.0573 | 0.8744 | 1.2785 | 0.5748 | 0.5654 | 0.1905 | 7 | 5 | 0 | 0.6008 | 0.5480 | 0.5248 | 0.8261 | -1.0944 | 2.1440 | 0.6352 | 0.5253 | | | | |
| 3, 16, 20, 23, 25-26, 29,32, 51-52, 57, 66-68 | 14 | Children & Adolescent ADHD- Asia | 71.666% | 51.39% | 83.484% | 0.00001 | Yes | 4571 | 1.2233 | 0.8233 | 1.8175 | 0.9977 | 0.3185 | 0.2418 | 14 | 23 | 0 | 1.2044 | 0.2284 | 2.0196 | 1.7415 | -1.3937 | 5.4329 | 1.1597 | 0.2462 | | | | |
| 3, 16, 20, 23, 25-26, 29,32, 57, 68 | 10 | Children & Adolescent ADHD- Chinese | 69.224% | 40.734% | 84.019% | 0.00059 | Yes | 3829 | 1.1846 | 0.7620 | 1.8414 | 0.7525 | 0.4517 | 0.1778 | 10 | 9 | 0 | 0.7155 | 0.4743 | 1.4164 | 1.8866 | -2.2813 | 5.1141 | 0.7508 | 0.4528 | | | | |
| 51-52, 66-67 | 4 | Children & Adolescent ADHD- Indo-Asia | 81.934% | 53.245% | 93.02% | 0.00085 | Yes | 742 | 1.3567 | 0.4990 | 3.6886 | 0.5979 | 0.5499 | 0.5000 | 4 | 4 | 0 | 1.0191 | 0.3082 | 8.8778 | 6.6437 | -4.1436 | 21.8991 | 1.3363 | 0.1815 | | | | |