Table S4 HSC-specific genes in the autism interactome

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Affy probe ID | Symbol | Overall Brain | Amygdala | Cerebellum | Hypothalamus | HSC mean | Non-HSC mean |
| 1415923\_at | **Ndn** | 9.5 | 9.2 | 9.4 | 9.9 | 7.4 | 3.3 |
| 1416598\_at | **Glis2** | 7.5 | 6.8 | 8.2 | 7.4 | 7.5 | 2.3 |
| 1416783\_at | **Tac1** | 8.0 | 9.2 | 4.7 | 9.0 | 5.7 | 3.7 |
| 1417900\_a\_at | **Vldlr** | 8.4 | 7.8 | 9.3 | 8.0 | 7.0 | 3.8 |
| 1418049\_at | **Ltbp3** | 7.7 | 6.8 | 8.9 | 7.5 | 8.2 | 3.2 |
| 1418664\_at | **Mpdz** | 7.7 | 7.4 | 8.0 | 7.8 | 9.5 | 3.4 |
| 1418829\_a\_at | **Eno2** | 11.3 | 10.8 | 11.9 | 11.3 | 7.0 | 3.0 |
| 1419137\_at | **Shank3** | 8.0 | 8.0 | 8.8 | 8.5 | 7.0 | 2.7 |
| 1419301\_at | **Fzd4** | 7.0 | 6.4 | 7.9 | 6.7 | 6.0 | 2.9 |
| 1421087\_at | **Per3** | 7.6 | 6.9 | 8.8 | 7.4 | 6.5 | 2.9 |
| 1422477\_at | **Cables1** | 7.3 | 6.9 | 7.9 | 7.5 | 5.4 | 3.1 |
| 1423635\_at | **Bmp2** | 6.2 | 5.7 | 6.0 | 6.5 | 5.5 | 4.0 |
| 1424051\_at | **Col4a2** | 7.0 | 6.6 | 7.4 | 7.2 | 8.1 | 2.9 |
| 1424800\_at | **Enah** | 8.5 | 8.0 | 8.6 | 8.8 | 5.6 | 2.8 |
| 1425458\_a\_at | **Grb10** | 7.9 | 7.1 | 7.7 | 8.7 | 9.9 | 3.5 |
| 1425924\_at | **Mdfi** | 5.6 | 4.9 | 7.0 | 5.2 | 6.3 | 3.4 |
| 1426431\_at | **Jag2** | 7.6 | 7.3 | 7.7 | 8.0 | 7.0 | 3.1 |
| 1428066\_at | **Ccdc120** | 6.7 | 5.7 | 8.7 | 6.3 | 6.5 | 3.2 |
| 1428816\_a\_at | **Gata2** | 6.0 | 5.2 | 6.6 | 5.9 | 5.2 | 3.4 |
| 1433768\_at | **Palld** | 5.4 | 4.7 | 6.1 | 5.5 | 5.5 | 3.4 |
| 1433924\_at | **Peg3** | 10.2 | 9.5 | 10.5 | 10.5 | 6.5 | 2.9 |
| 1434033\_at | **Tle1** | 7.8 | 7.4 | 8.0 | 8.0 | 6.0 | 3.8 |
| 1434111\_at | **Lphn2** | 8.0 | 7.9 | 7.8 | 8.3 | 6.1 | 3.2 |
| 1434112\_at | **Lphn2** | 8.0 | 7.9 | 7.8 | 8.3 | 7.4 | 3.3 |
| 1437833\_at | **Ltbp3** | 7.7 | 6.8 | 8.9 | 7.5 | 10.4 | 3.9 |
| 1437889\_x\_at | **Bgn** | 6.5 | 5.8 | 7.3 | 6.3 | 7.0 | 3.9 |
| 1439527\_at | **Pgr** | 6.7 | 6.5 | 6.6 | 6.8 | 6.1 | 2.7 |
| 1440935\_at | **Grb10** | 7.9 | 7.1 | 7.7 | 8.7 | 11.1 | 3.4 |
| 1441573\_at | **Scmh1** | 7.7 | 7.2 | 8.8 | 7.7 | 5.1 | 3.1 |
| 1447571\_at | **Elk4** | 7.0 | 6.6 | 7.6 | 6.7 | 6.4 | 3.4 |
| 1448169\_at | **Krt18** | 5.2 | 4.8 | 5.9 | 5.2 | 10.4 | 3.7 |
| 1450062\_a\_at | **Maged1** | 10.1 | 9.8 | 10.1 | 10.3 | 7.8 | 3.3 |
| 1450117\_at | **Tcf7l1** | 7.3 | 6.6 | 8.5 | 7.2 | 5.8 | 3.2 |
| 1450229\_at | **Med14** | 8.8 | 8.3 | 9.5 | 8.7 | 5.2 | 3.7 |
| 1450333\_a\_at | **Gata2** | 6.0 | 5.2 | 6.6 | 5.9 | 9.3 | 3.1 |
| 1452035\_at | **Col4a1** | 6.5 | 6.2 | 7.0 | 6.5 | 8.0 | 2.9 |
| 1454959\_s\_at | **Gnai1** | 9.0 | 8.7 | 9.7 | 9.0 | 7.3 | 3.1 |
| 1455359\_at | **Ptpn14** | 6.1 | 6.5 | 6.5 | 5.5 | 5.2 | 3.2 |
| 1455792\_x\_at | **Ndn** | 9.5 | 9.2 | 9.4 | 9.9 | 12.2 | 3.7 |
| 1456189\_x\_at | **Ltbp3** | 7.7 | 6.8 | 8.9 | 7.5 | 7.6 | 3.5 |
| 1459358\_at | **Pkp2** | 6.0 | 6.3 | 5.7 | 6.8 | 6.0 | 3.3 |

Shown are the expression values from microarray gene expression profiling of the genes that are HSC-specific (fingerprint genes) and are found in the autism interactome. Note that expression values are not directly comparable between the tissues, as the brain data are from human exon arrays, and the HSC data are from murine gene expression arrays.