Table 7

Altered methylation genes mapped to the neuropathic pain signaling pathway by IPA

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| Symbol | Gene Name | Log2-Fold Change | Type(s) |
| GRM3 | glutamate receptor, metabotropic 3 | -3.636 | G-protein-coupled receptor |
| GRIA1 | glutamate receptor, ionotropic, AMPA 1 | -3.167 | ion channel |
| BDNF | brain-derived neurotrophic factor | -2.373 | growth factor |
| CREB1 | cAMP-responsive element-binding protein 1 | -2.274 | transcription regulator |
| GRM7 | glutamate receptor, metabotropic 7 | -2.274 | G-protein-coupled receptor |
| GRIN3A | glutamate receptor, ionotropic, N-methyl-D-aspartate 3A | -2.129 | ion channel |
| MAPK1 | mitogen-activated protein kinase 1 | 2.048 | kinase |
| TAC1 | tachykinin, precursor 1 | 2.408 | other |
| CAMK1D | calcium/calmodulin-dependent protein kinase ID | 2.855 | kinase |
| TACR1 | tachykinin receptor 1 | 2.855 | G-protein-coupled receptor |
| KCNN3 | potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3 | 3.119 | ion channel |
| GPR37 | G protein-coupled receptor 37 (endothelin receptor type B-like) | 3.855 | G-protein-coupled receptor |