

Supplementary Table SVII. KEGG pathway analysis of targets in module 5

GOID	GO Term	Ontology Source
KEGG:04724	Glutamatergic synapse	KEGG_04.09.2018
KEGG:05030	Cocaine addiction	KEGG_04.09.2018
KEGG:04713	Circadian entrainment	KEGG_04.09.2018
KEGG:04720	Long-term potentiation	KEGG_04.09.2018
KEGG:05010	Alzheimer disease	KEGG_04.09.2018
KEGG:05014	Amyotrophic lateral sclerosis (ALS)	KEGG_04.09.2018
KEGG:05034	Alcoholism	KEGG_04.09.2018
KEGG:04024	cAMP signaling pathway	KEGG_04.09.2018
KEGG:04080	Neuroactive ligand-receptor interaction	KEGG_04.09.2018
KEGG:05010	Alzheimer disease	KEGG_04.09.2018
KEGG:05031	Amphetamine addiction	KEGG_04.09.2018
KEGG:05033	Nicotine addiction	KEGG_04.09.2018
KEGG:05034	Alcoholism	KEGG_04.09.2018

% Associated Genes	Nr. Genes
7,89	9,00
18,37	9,00
6,25	6,00
8,96	6,00
2,92	5,00
11,76	6,00
3,89	7,00
4,04	8,00
2,89	8,00
2,92	5,00
11,76	8,00
20,00	8,00
3,89	7,00

Associated Genes Found

[DLG4, GRIA2, GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D, GRIN3A, GRIN3B]

[DLG4, GRIA2, GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D, GRIN3A, GRIN3B]

[GRIA2, GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D]

[GRIA2, GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D]

[GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D]

[GRIA2, GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D]

[GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D, GRIN3A, GRIN3B]

[GRIA2, GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D, GRIN3A, GRIN3B]

[GRIA2, GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D, GRIN3A, GRIN3B]

[GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D]

[GRIA2, GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D, GRIN3A, GRIN3B]

[GRIA2, GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D, GRIN3A, GRIN3B]

[GRIN1, GRIN2A, GRIN2B, GRIN2C, GRIN2D, GRIN3A, GRIN3B]