

Table S4. Brain amino acid levels after leucine and isoleucine i.c.v. administration

	<i>Slc7a5^{fl/fl}</i>	<i>Tie2^{Cre};Slc7a5^{fl/fl}</i>
GLUTAMIN	1 ± 0.51	1.25 ± 0.20
CITRULLINE	1 ± 0.21	1.07 ± 0.15
SERINE	1 ± 0.39	2.66 ± 0.25 **
4-HYDROXYPROLINE	1 ± 0.55	0.96 ± 0.13
GLYCINE	1 ± 0.36	2.07 ± 0.18 **
THREONINE	1 ± 0.53	2.25 ± 0.14 **
GABA	1 ± 0.32	0.88 ± 0.08
PROLINE	1 ± 0.22	1.58 ± 0.11 **
HISTIDINE	1 ± 0.55	4.51 ± 0.60 **
VALINE	1 ± 0.32	0.94 ± 0.11
TRYPTOPHAN	1 ± 0.37	2.25 ± 0.43 **
PHENYLALANINE	1 ± 0.31	2.01 ± 0.15 **
LEUCINE	1 ± 0.23	0.96 ± 0.13
ISOLEUCINE	1 ± 0.25	1.09 ± 0.17
THYROSINE	1 ± 0.33	2.17 ± 0.18 **

Relevant brain amino acid were measured by HPLC. Levels measured in the mutant mice were normalized on control levels.