

Table S1. The analysis of NMDA proteins and their isoforms.

Name	Molecular Weights	GRAVY index	Instability index	Aliphatic index
GRIN2A isoform 1 (GLUN2A)	165282.52	-0.393	42.26	76.73
GRIN2B (GLUN2B)	166367.24	-0.388	48.76	74.55
GRIN2C (GLUN2C)	134208.94	-0.060	49.19	84.16
GRIN2D (GLUN2D)	143752.21	-0.192	57.34	77.78

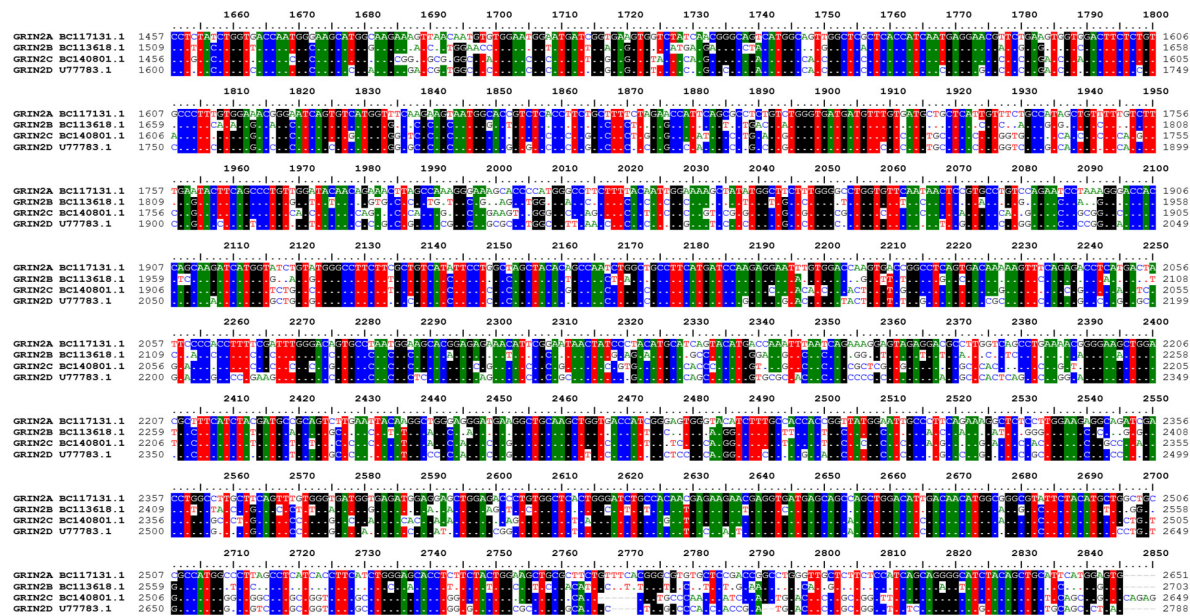


Figure S1. Multiple sequence alignment mRNA/coding sequence of GRIN2A, GRIN2B, GRIN2C AND GRIND2D genes.

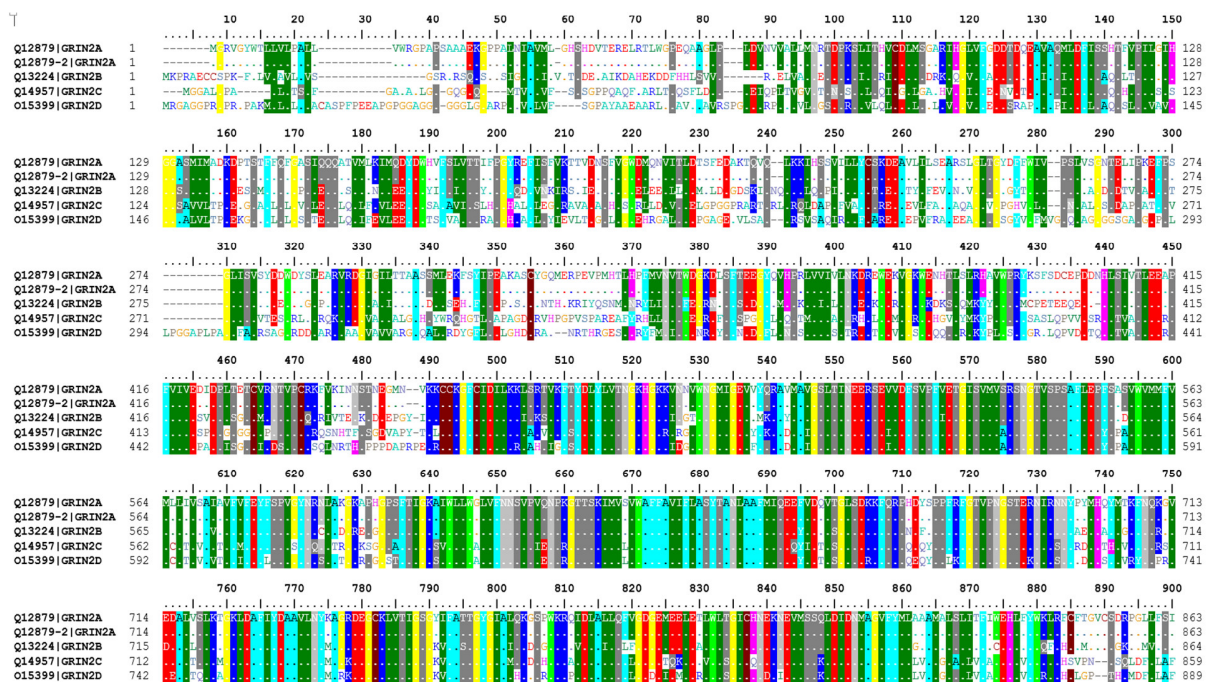


Figure S2. Multiple sequence alignment protein sequences are encoded by GRIN2A, GRIN2B, GRIN2C, and GRIN2D genes.

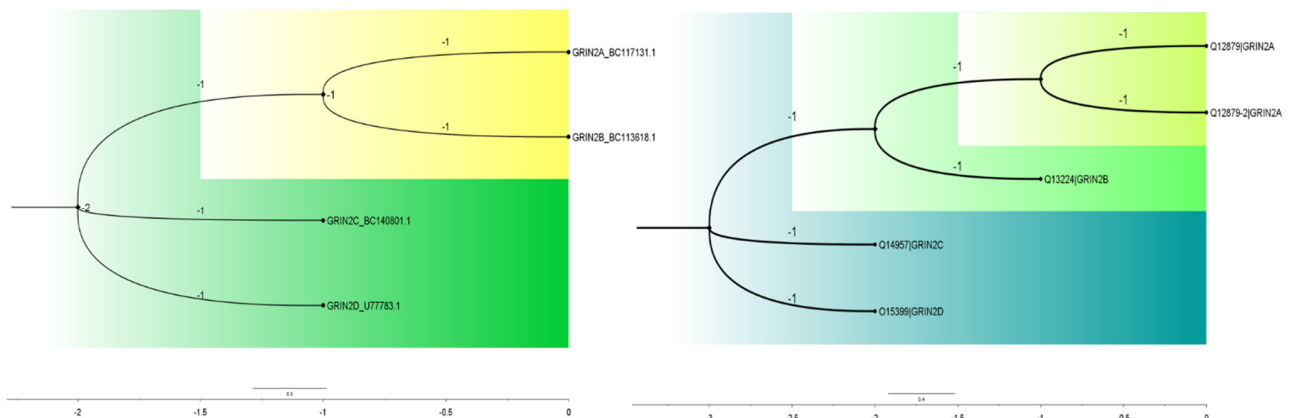


Figure S3. Phylogenetics tree created among (a) nucleotide sequence (b) protein sequence.