**Supplementary Table SI.** Primers used to amplify GABAAR channel sub-units, GAD 65, GAD 67 and GAPDH cDNA.

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| --- | --- | --- | --- |
| **GABAAR Subunit** | **Primer sequencea** | **Amplicon size (bp)** | **Amplicon position** |
| α1 | F:5’-AGTGGTTGTAGCAGAAGATG-3’  R: 5’-AGGAGACTTGGGAGAGAATA-3’ | 200 | 1392-1591 |
| α2 | F: 5’-CCAAGTGTCATTCTGGCTGA-3’  R: 5’-CGCATAGGCGTTGTTCTGTA-3’ | 301 | 1095-1395 |
| α3 | F: 5’-TCCTGCTGAGACCAAGACCT-3’  R: 5’-GGCTCAATCCAAGCAATGTT-3’ | 361 | 1601-1961 |
| α3 RT | F: 5’-TGTCCCTGCCCGCACAGTCT-3’  R: 5’-GGCCGTCGCGTATGCCACTT-3’ | 103 | 1184-1286 |
| α4 | F: 5’-TCCCCTGAGTTACAGGTTGG-3’  R: 5’-CAGAAACCATCTTCGCAACA-3’ | 372 | 138-509 |
| α5 | F: 5’-GGACTCTTGGATGGCTATGA-3’  R: 5’-ATTGTCAGACGCATGGTGTA-3’ | 344 | 507-850 |
| α6 | F: 5’-AACTTTCAGTGGCATTGGAC-3’  R: 5’-GAACCTCCTGGTGTTAGCAA-3’ | 225 | 2133-2357 |
| β1 | F: 5’-AAGGTGGAGTTCACAACAGG-3’  R: 5’-TTTGACGTAAGGGATCTTCG-3’ | 249 | 664-912 |
| β2 | F: 5’-CACAATGCTTGCCTATGATG-3’  R: 5’-CTTCTCACGGAAGGCTGTAG-3’ | 274 | 1600-1873 |
| β3 | F: 5’-CAGTCACCATGGACTGACAC-3’  R: 5’-TGTCTCCTCCCACTGTTACC-3’ | 292 | 3209-3500 |
| γ1 | F: 5’-TGTTCAATCTGGTTTACTGG-3’  R: 5’-AGCTAATGAGCAATCTAGGC-3’ | 457 | 1756-2212 |
| γ2 | F: 5’-TCTCTGCCCAAGGTCTCCTA-3’  R: 5’-AAGGTGTGTGGCATTGTTCA-3’ | 219 | 959-1177 |
| γ3 | F: 5’-CAGGACCTGACAGACAAGCA-3’  R: 5’-TATTGGCAAATGCCTGAACA-3’ | 356 | 1135-1520 |
| δ | F: 5’-GAATCCGTTCCAGACTCAAA-3’  R: 5’-GCACTAGGCTCAACTTCAGG-3’ | 349 | 1339-1687 |
| θ | F: 5’-GCTGGAGGTGGAGAGCTATG-3’  R: 5’-GGAGAGAATGGTGGTGAGGA-3’ | 253 | 614-866 |
| ε | F: 5’-TCAATGCGAAGAACACTTGG-3’  R: 5’-AGAAGTCCAAAGCCGTGAGA-3’ | 327 | 1954-2280 |
| π | F: 5’-CGTCCATGAAGACTTGCTGA-3’  R: 5’-TCAGGCAGGGTAATCCACTC-3’ | 324 | 2294-2617 |
| ρ1 | F: 5’-CTGGAAATCGAAAGCTACGC-3’  R: 5’-AGATGTGACGACGCAGAGTG-3’ | 205 | 741-945 |
| ρ1 RT | F: 5’-GCTGCTGAGAGCACAGCGCA-3’  R: 5’-TGGGCTGCCTTGCTTGTGGG-3’ | 120 | 159-278 |
| ρ2 | F: 5’-CCAAGCCAAGCCATTTGTAT-3’  R: 5’-GTCCCTCCAGTAATGCCTCA-3’ | 227 | 246-472 |
| ρ3 | F: 5’-TACTGGAAACACGGCAACAA-3’  R: 5’-ACCGCCTTGACATAGGACAC-3’ | 347 | 634-980 |
| GAD65 | F: 5’-GCTGGAACCACCGTGTATGG-3’  R: 5’-TCCACGTGCATCCAGATCTTAT-3’ | 86 | 1342-1427 |
| GAD67 | F: 5’-TCCACCATCAACGGCATTAT-3’  R: 5’-AGCGGCAGGTGTTGGATAAC-3’ | 88 | 4651-4738 |
| GAPDH | F:5’-CCCATCACCATCTTCCAGCA-3’  R:5’-CGACATACTCAGCACCGGC-3’ | 70 | 277-328 |

a Primers were designed as indicated under Materials and Methods.