**S1 Table. Scale for Quality Assessment of genetic association studies of epileptic disorders**

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| --- | --- |
| **Quality parameters** | **Score** |
| **A - Representativeness of case** |  |
|  Consecutive/randomly selected from case population with clearly defined sampling frame | 2 |
|  Consecutive/randomly selected from case population without clearly defined sampling frame  | 1 |
|  No method of selection described | 0 |
| **B - Representativeness of control** |  |
|  Population-based or healthy volunteers | 2 |
|  Both population-based and hospital-based/healthy volunteers/blood donors | 1 |
|  Not described | 0 |
| **C - Ascertainment of epileptic disorders** |  |
|  Clearly described objective criteria for diagnosis of Juvenile Myoclonic Epilepsy | 1 |
|  Not described | 0 |
| **D - Sample size (total number of cases and controls)** |  |
|  Larger than 200 | 2 |
|  Larger than 100, but less than 200 | 1 |
|  Less than 100 | 0 |
| **E - Genotyping examination** |  |
|  Genotyping done under "blinded" condition | 1 |
|  Unblinded or not mentioned | 0 |
| **F - Hardy-Weinberg equilibrium** |  |
|    Hardy-Weinberg equilibrium | 2 |
|    Hardy-Weinberg disequilibrium | 1 |
|    Not mentioned | 0 |
| **G - Association of assessment** |  |
| Assess association between genotypes and epileptic disorders with appropriate statistics and adjustment for confounders  | 1 |
|    Inappropriate statistics used | 0 |
| **H - Matching of case and control participants** |  |
|  Controls matched with cases more than one variable (i.e., age, gender and ethnicity) | 2 |
|  Controls matched with cases only one variable (i.e., age, gender or ethnicity) | 1 |
|  Not matched or not descried | 0 |
| **Total** | 13 |

Studies were categorized as ‘‘high quality’’ if the quality score was ≥7; otherwise, studies were categorized as ‘‘low quality’’