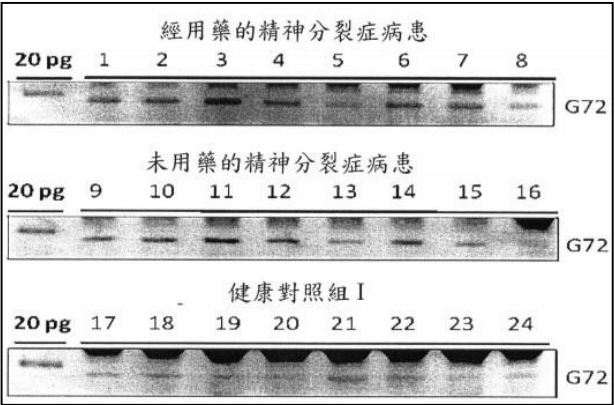


專利/技術名稱	於活體外檢測精神分裂症之方法及其組成物 COMPOSITIONS AND METHODS FOR DIAGNOSIS OF SCHIZOPHRENIA		
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可利用範圍	提供一種可準確於活體外預測個體罹患精神分裂症風險的方法，其係具有高可信度且適用於各種人種，尤其是亞洲人種。		
摘要	<p>一種用於活體外檢測精神分裂症之方法，其包括：利用一試驗偵測一體液樣品中之 G72 基因產物，藉以測定 G72 表現量；將該 G72 表現量與一G72 基礎表現量作比較；當該G72 表現量高於 G72 基礎表現量，則令該個體G72 表現量與罹患精神分裂症之風險相關聯。透過偵測週邊樣品中之 G72 表現量，所述的方法可以透過活體外試驗簡易進行，並且準確的預測或判斷罹患精神分裂症之風險。</p> <p>Provided is a method for diagnosis of schizophrenia, which comprises: detecting G72 gene product in a body fluid sample from a subject by an assay to determine G72 expression level; comparing said G72 expression level to a baseline G72 expression; and relating the G72 expression level to the patient's risk of schizophrenia by assigning an increased risk of schizophrenia when said G72 expression level is greater than said baseline G72 expression.</p> <p>Through detecting G72 expression level in a peripheral sample, the method can be simply performed by an in vitro assay and specifically predict susceptibility of schizophrenia.</p>  <p>The figure shows a Western blot analysis of G72 expression. It is divided into three horizontal sections. The top section is labeled '經用藥的精神分裂症病患' (Medicated schizophrenia patients) and contains 8 lanes numbered 1 to 8. The middle section is labeled '未用藥的精神分裂症病患' (Unmedicated schizophrenia patients) and contains 8 lanes numbered 9 to 16. The bottom section is labeled '健康對照組 I' (Healthy control group I) and contains 8 lanes numbered 17 to 24. Each section starts with a '20 pg' marker lane. The G72 protein bands are visible in all lanes, with varying intensities. The bands in the medicated patients (lanes 1-8) and unmedicated patients (lanes 9-16) appear significantly darker than those in the healthy control group (lanes 17-24), indicating higher G72 expression levels in the patient groups.</p>		