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**Figure S3 FMR1NB protein domains and isoforms.** The predicted structure of the FMR1NB protein consists of two cytosolic N- and C-terminal domains, two transmembrane domains, and an extracellular part containing a P-type trefoil domain. Three isoforms of FMR1NB protein (Q80ZA7, UniProt) hold 238, 192 and 166 amino acids, respectively. The PWD and B6 allelic variants FMR1NB differ in two nonsynonymous substitutions: 31 ArgininePWD / ThreonineB6 and 162 LeucinePWD/IsoleucineB6. The polymorphic amino acids are highlighted in pink.