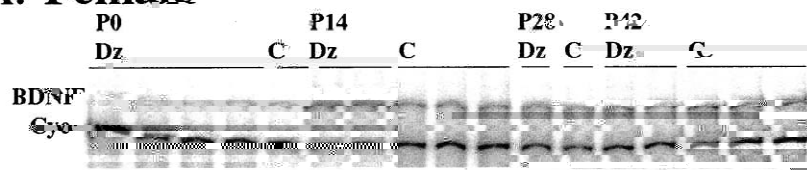
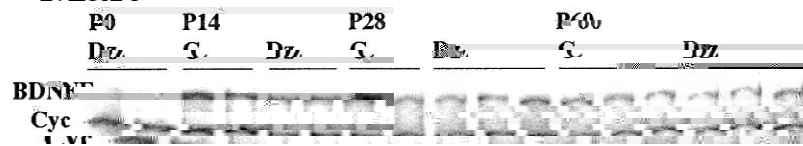
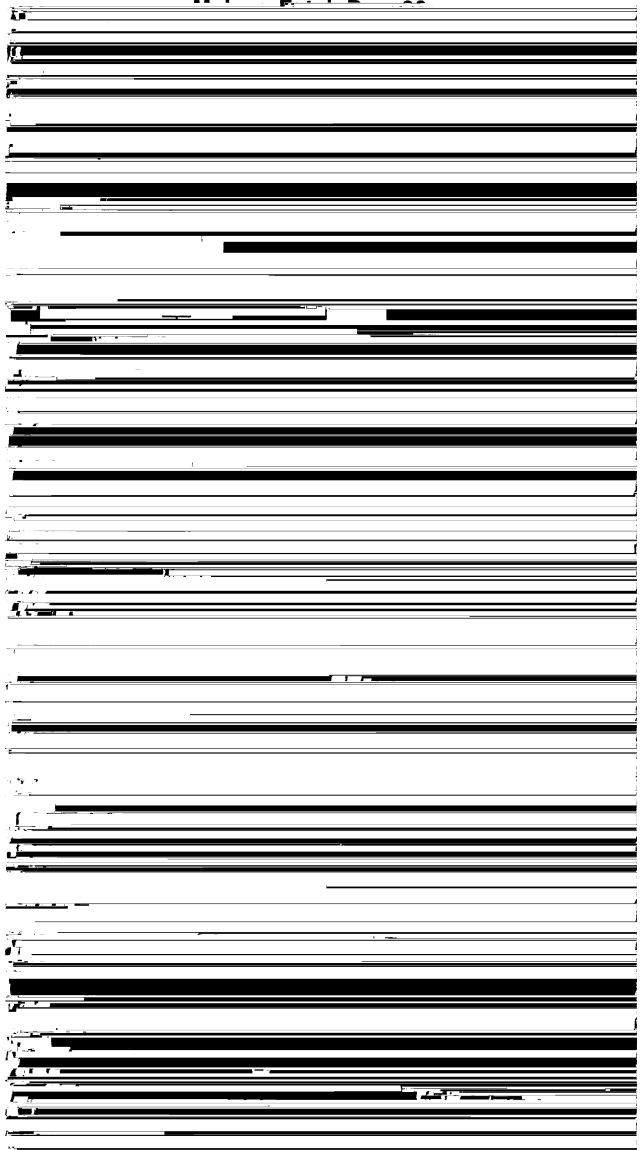


A. Female

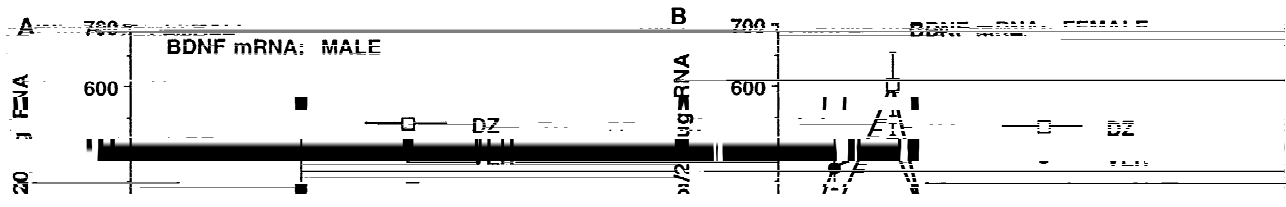


Male









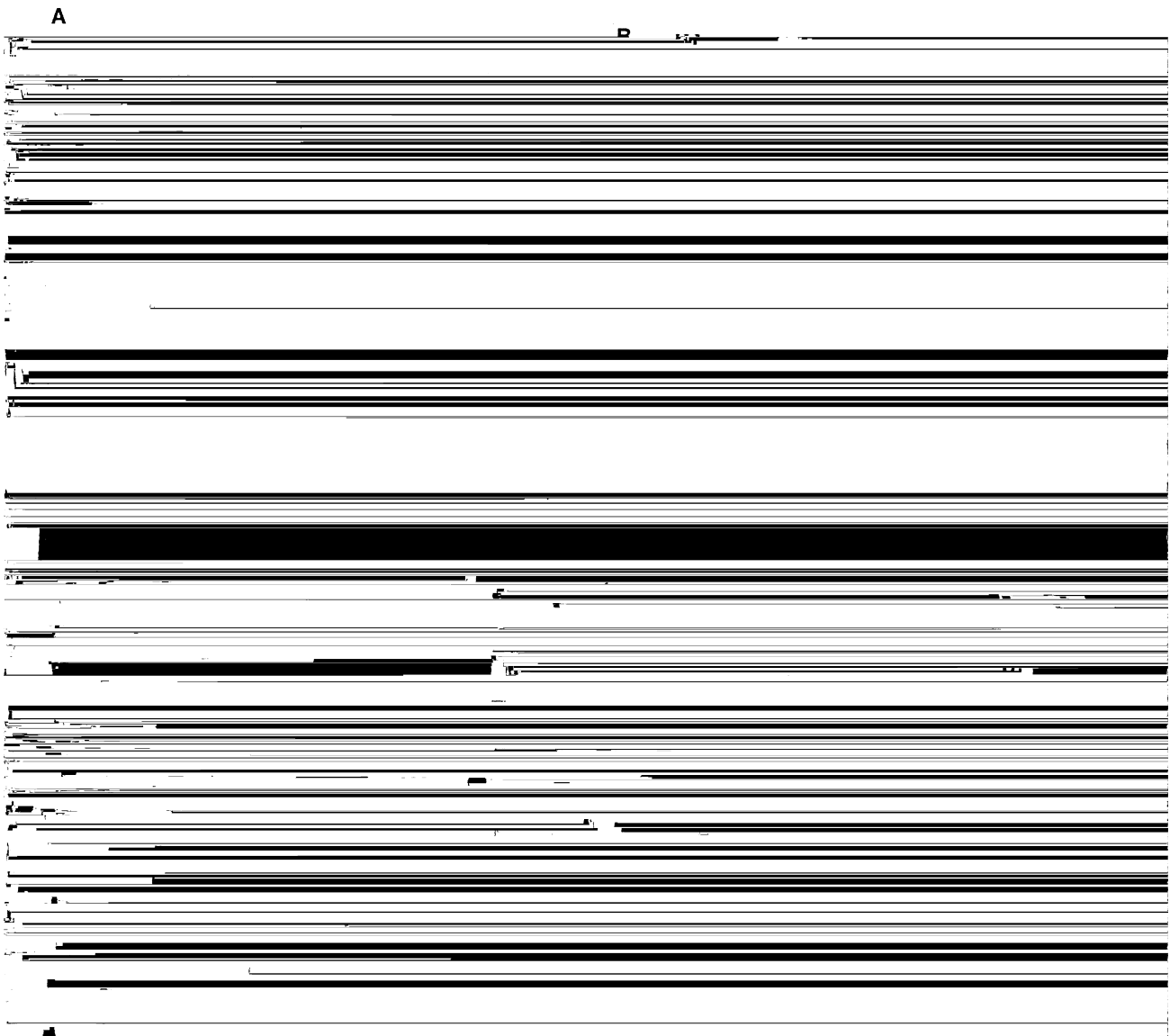


Fig. 5. Postnatal development of BDNF mRNA (A,B) and protein (C,D) in the cerebral cortex from birth (P0) to young adulthood (P56) in males and females. Animals were exposed over gestation days 14–20 to DZ (2.5 mg/kg administered to the pregnant dam) or to vehicle (VEH). Samples prepared from three to five separate litters were analyzed at each age and in each treatment group. Data expressed as mean \pm S.E.M. Statistical analysis indicated that the in utero exposure significantly affected both BDNF mRNA and protein levels in male rats. Females were unaffected by the early exposure.

cerebral cortex both were earlm4(in)-285.-344to(from[(from344.)2ve)-28469.8(as)-2344.555.

the adult, when BDNF expression was lower in DZ-
exposed

lished observations [28]. Levels were much higher in the

pesticides, but it is also the target of synthetic and natural steroids [18,55]. This receptor complex may represent a vulnerable site through which specific neural and behavioral development could be influenced. The precise consequence of interference in GABA receptor function

- [14] P. Corbier, B. Kerdelhue, R. Picon, J. Roffi, Changes in testicular weight and serum gonadotropin and testosterone levels before, during and after birth in the perinatal rat, *Endocrinology* 103 (1978) 1985–1991.
- [15] E. Costa, J. Auta, A. Guidotti, A. Korneyev, E. Romeo, The

