



**Figure 5. Proteins That Bind Methyl-CpG**

Five members of the MBD protein family are aligned at their MBD domains (*purple*). Other domains are labeled and include transcriptional repression domains (TRD); CXXC domains, zinc fingers some of which are implicated in binding to nonmethylated CpG; GR repeats of unknown function; a T:G mismatch glycosylase domain which is involved in repair of 5-methylcytosine deamination. Kaiso lacks the MBD domain but binds methylated DNA via zinc fingers (*orange*) and possesses a POB/BTB domain that is shared with other transcriptional repressors.