

Appendix 6. OTX2 activates the tyrosinase promoter through the specific OTX2 binding elements 1 (-361 to -356), 2 (-354 to -349) and 3 (-226 to -221) and through the protein-protein interactions with MITF.

Luc-reporter constructs containing deletions of the OTX2 binding elements 1, 2 and/or 3 (renamed as m1, m2 and m3) in the human tyrosinase promoter -462 were co-transfected into D407 cells with MITF-A, OTX2, MITF-A/OTX2 factors or with empty expression vector (pCR3). Normalized luciferase activities are relative to tyrosinase promoter construct -152 (=1) co-transfected with empty expression vector pCR3 (not shown). Data are means \pm SEM from two independent transfections performed in triplicate.

