

A negative feedback regulatory loop between miR-138 and TP53 is mediated by USP10

SUPPLEMENTARY MATERIALS

Human	GUCUCAUUGCUUAGUAGAAUA-AAUCCUG	CACCAGCA	ACAA-CACUUGUAAAUU
Chimp	GUCUCAUUGCUUAGUAGAAUA-AGUCCUG	CACCAGCA	ACAA-CACUUGUAAAUU
Mouse	GUCUGAUCGCGUAGUGGAAUA-AGUCCCG	CACCAGCAGC	----UCUUGUAAAUU--UGUG-AAAAU
Rat	GUUUGAU-GCGUAGUGGAAUA-AGUCCCG	CACCAGCAGC	----UCUUGUAAAUU--UGUG-AAAAU
Pig	GUCUCAUUGCGUAGUAGAAUA-AAUCCUG	CACCAGCAAC	----ACUUGUAAAUU--UGUG-AAAAU
Cow	GUCUAAUUGCAUAGUAGAGUA-AGUCCUG	CACCAGCA	ACAA-CACUUGUAAAUU--UGUG-AAAAU
Dog	GUCUAAUUGCUUAGUAGAAUA-AAUCCUG	CACCAGCA	---A-CACUUGUAAAUU--UGUG-AAAAU
USP10	5' ...GUAGAAUAAAU	CCUGCACCA	GCA...
miR-138	3' GCCGGACUAAGUGUUGUGGUCGA		

Supplementary Figure 1: miR-138 targets USP10. The targeting sequence is highlighted in red which is highly conserved in mammals.