

a

TaDMC1-5A

MAPSKQYDEGGQLQLMEADRVEEEEECFESIDKLISQGINSGDVKKLQDAGIYTCNGLMM

60

TaDMC1-5D

MAPSKQYDEGGQLQLMEADRVEEEEECFESIDKLISQGINSGDVKKLQDAGIYTCNGLMM

60

TaDMC1-5B

MAPSKQYDEGGQLQLMEADRVEEEEECFESIDKLISQGINSGDVKKLQDAGIYTCNGLMM

60

TaDMC1-5A

HTKKSLTGIGKLSEAKVDKICEAAEKLLSQGFMTGSDLLIKRKS VVRITTSQALDELLG

120

TaDMC1-5D

HTKKSLTGIGKLSEAKVDKICEAAEKLLSQGFMTGSDLLIKRKS VVRITTSQTLDELLG

120

TaDMC1-5B

HTKKSLTGIGKLSEAKVDKICEAAEKLLSQGFMTGSDLLIKRKS VVRITTSQALDELLG

120

TaDMC1-5A

GGIETLCITEAFGEFRSGKTQLAHTLCVSTQLPLMHGGNGKVAYIDTEGTFRPERIVPI

180

TaDMC1-5D

GGIETLCITEAFGEFRSGKTQLAHTLCVSTQLPLMHGGNGKVAYIDTEGTFRPERIVPI

180

TaDMC1-5B

GGIETLCITEAFGEFRSGKTQLAHTLCVSTQLPLMHGGNGKVAYIGTEGTFRPERIVPI

180

TaDMC1-5A

AERFGMDANAVLDNIIYARAYTYEHQYNLLGLAAKMAEFPFRL LIVDSVIALFRVDFSG

240

TaDMC1-5D

AERFGMDANAVLDNIIYARAYTYEHQYNLLGLAAKMAEFPFRL LIVDSVIALFRVDFSG

240

TaDMC1-5B

AERFGMDANAVLDNIIYARAYTYEHQYNLLGLVAKMAEFPFRL LIVDSVIALFRVDFSG

240

TaDMC1-5A

RGELAERQQKLAQMLSRLTKIAEEFNNAVYITNQVIADPGGGMFITDPKKPAGGHVLAHA

300

TaDMC1-5D

RGELAERQQKLAQMLSRLTKIAEEFNNAVYITNQVIADPGGGMFITDPKKPAGGHVLAHA

300

TaDMC1-5B

RGELAERQQKLAQMLSRLTKIAEEFNNAVYITNQVIADPGGGMFITDPKKPAGGHVLAHA

300

TaDMC1-5A

ATIRLMLRKSKGEQRVCKIFDAPNLPEGEAVFQITTGGLMDVKD

344

TaDMC1-5D

ATIRLMLRKSGKEQRVCKIFDAPNLPEGEAVFQITTGGLMDVKD

344

TaDMC1-5B

ATIRLMLRKSGKEQRICKIFDAPNLPEGEAVFQITTGGLMDVKD

344

b

SNP Positi on	TaDMC1 homoeologous genes			SIFT predic tions
	A	B	D	
114	A	T	A	Tolerated
167	D	D	G	Tolerated
214	A	A	V	Tolerated
310	S	G	G	Tolerated
316	V	V	I	Tolerated

c

