

Table 1 Proteins identified in the MDMX complex from human cutaneous melanoma A375 cells

Total peptides	Reference	Gene Symbol	MWT (kDa)	Unique sequence peptides	Coverage
882	O15151_MDM4_HUMAN	MDMX	54.83		52.65%
190	P48729_KC1A_HUMAN	CSNK1A1 (CK1 α)	38.89	9-16 AEFIVGGK 22-46 KIGSGSFGDIYLAINITNGEEVAVK 23-46 IGSGSFGDIYLAINITNGEEVAVK 54-62 HPQLLYESK 66-77 ILQGGVGIPHIR 112-123 TVLMLADQMISR 124-130 IEYVHTK 136-148 DIKPDNFLMGIGR 153-162 LFLIDFGLAK 171-179 QHIPYREDK 187-200 YASINAHLGIEQSR 201-216 RDDMESLGYVLMYFNR 202-216 DDMESLGYVLMYFNR 217-225 TSLPWQGLK 265-278 GLRFEEAPDYMYLR 268-278 FEEAPDYMYLR 287-302 TLNHQYDYTFDWTMLK 305-325 AAQQAASSSGGQQQAQTPTGK	57.86%
141	Q8N752_KC1AL_HUMAN	CSNK1A1L (CK1)	39.06	54-62 HPQLLYESK 112-123 TVLMLADQMISR 124-130 IEYVHTK 153-162 LFLIDFGLAK 171-179 QHIPYREDK 187-200 YASINAHLGIEQSR 201-216 RDDMESLGYVFMFYFNR 287-302 TLNHQYDYTFDWTMLK	27.60%
54	P04637_P53_HUMAN	TP53	43.63	102-110 TYQGSYGFR 111-120 LGFLHSGTAK 197-209 VEGNLRVEYLDDR 203-209 VEYLDDR 203-213 VEYLDDRNTFR 249-267 RPILTITLEDSSGNLLGR 307-319 ALPNNTSSSPQPK 320-333 KKPLDGEYFTLQIR 321-333 KPLDGEYFTLQIR 338-342 FEMFR 343-351 ELNEALELK	24.43%
51	P31946_1433B_HUMAN	YWHAB (14-3-3)	28.06	21-29 YDDMAAMK 30-43 AVTEQGHLSNEER 44-51 NLLSVAYK 63-70 VISSIEQK 106-117 YLIPNATQPESK 130-140 YLSEVASGDNK 141-159 QTTVSNSQQAYQEAFEISK 196-214 TAFDEAIAELDTLNEESYK 196-224 TAFDEAIAELDTLNEESYKDSTLIMQLLR 215-224 DSTLIMQLLR	44.72%

25	P62258_1433E_HUMAN	YWHAE (14-3-3)	29.16	13-29 LAEQAERYDEMVESMK 13-28 LAEQAERYDEMVESMK 30-42 VAGMDVELTVEER 43-50 NLLSVAYK 107-118 HLIPAANTGESK 131-141 YLAEFATGNDR 143-153 EAAENSLVAYK 154-170 AASDIAMTELPPTHPIR 197-215 AAFDDAIAELDTLSEESYK 197-225 AAFDDAIAELDTLSEESYKDSTLIMQLLR 216-225 DSTLIMQLLR 226-244 DNLTWTSMDMQGDGEEQNK 226-255 DNLTWTSMDMQGDGEEQNKALQDVEDENQ	58.04%
20	Q00987_MDM2_HUMAN	MDM2	55.2	46-64 DTYTMKEVLFYLGQYIMTK 52-64 EVLFYLGQYIMTK 98-105 KIYTMiYR 99-105 IYTMiYR 106-126 NLVVVNQEQSSDGTSSVSENK 137-161 DLVQELQEEKPSSSHLVSRPSTSSR 163-179 RAISETEENSDELSEGER 164-179 AISETEENSDELSEGER	18.33%
16	P27348_1433T_HUMAN	YWHAQ (14-3-3)	27.75	28-41 AVTEQGAELSNEER 42-49 NLLSVAYK 61-68 VISSIEQK 104-115 YLIANATNPESK 139-158 KQTIDNSQGAYQEAFDISKK 140-158 QTIDNSQGAYQEAFDISKK 140-157 QTIDNSQGAYQEAFDISK 194-212 TAFDEAIAELDTLNEDSYK 194-222 TAFDEAIAELDTLNEDSYKDSTLIMQLLR 213-222 DSTLIMQLLR	37.14%
15	O15350_P73_HUMAN	TP73	69.58	139-149 SATWTYSPLLK 165-176 VSTPPPPGTAIR 202-216 DFNEGQSAPASHLIR 217-233 VEGNNLSQYVDDPVTGR 332-345 QSPPAVPALGAGVK 349-360 HGDEDTYYLQVR 361-370 GRENFELMK 371-390 LKESLELMELVPQPLVDSYR 373-390 ESLELMELVPQPLVDSYR 391-416 QQQQLLQRPSHLQPPSYGPVLSPMKNK 563-579 SSNAATISIGGSGELQR 592-599 HTITIPNR 623-636 KQPIKEEFTEAEIH	27.67%
12	P61981_1433G_HUMAN	YWHAG (14-3-3)	28.28	20-28 YDDMAAAMK 29-42 NVTELNEPLSNEER 43-50 NLLSVAYK 62-69 VISSIEQK 133-142 YLAEVATGEK 144-152 ATVVESSEK 199-217 TAFDDAIAELDTLNEDSYK 199-227 TAFDDAIAELDTLNEDSYKDSTLIMQLLR 218-227 DSTLIMQLLR 228-247 DNLTWTSMDQDDGGEGNN	43.32%

7	Q96FA3_PELI1_HUMAN	PELI1	46.26	73-83 DQHSISYTLR 105-136 STESPIDFVVTDTVPGSQSNSTQSVQSTISR 153-162 IYAAGFDSSK 411-418 LIFQGPLD	14.59%
6	Q04917_1433F_HUMAN	YWHAH (14-3-3)	28.2	29-42 AVTELNEPLSNEDR 43-50 NLLSVAYK 62-69 VISSIEQK 133-142 YLAEVASGEK 144-155 NSVVEASEAAYK 199-217 QAFDDAIAELDTLNEDSYK 199-227 QAFDDAIAELDTLNEDSYKDSTLIMQLLR 218-227 DSTLIMQLLR	32.93%

Table 2 Demographic and clinical characteristics in the patients with cutaneous melanoma

	PELI1 low Total n (%)	PELI1 high Total n (%)	p value
Number of Samples	116	117	
Gender			
Male	71 (61%)	70 (60%)	p=0.830
Female	45 (39%)	47 (40%)	
Age of diagnosis			
≤ 60	66 (57%)	67 (57%)	p=0.995
>60	50 (43%)	50 (43%)	
TNM stage*			
I-II	62 (57%)	50 (49%)	p=0.223
III-IV	46 (43%)	52 (51%)	
p53 status#			
Wild-type	62 (91%)	60 (79%)	p=0.042
Mutant	6 (9%)	16 (21%)	

Complete data from 233 patients was analyzed for gender and age of diagnosis. * Data for TNM stage was analyzed from 210 patients. #Data for p53 status was analyzed from 154 patients. p value is from chi-square test.