

G3RXT9 GORGO	MKISILLMFLWGLSCALPVARYQNNESGSEEWKGHLAQAPTPL	ESSESSEGSKVSSEEEANEDSSDSTES	EEGLGSDDHQYIYRLAGGFSRSTGKEGDDDKDD	DEDDSG	110
H2QPV1 PANTR	MKISILLMFLWGLSCALPVARYQNNESGSEEWKGHLAQAPTPL	ESSESSEGSKVSSEEQANEDPSDSTES	EEGLGSDDHQYIYRLAGGFSRSTGKEGDDDKDD	DEDDSG	110
DMP1 HUMAN	MKISILLMFLWGLSCALPVTRYQNNESDSEEWKGHLAQAPTPL	ESSESSEGSKVSSEEQANEDPSDSTQSEEG	LGSDDHQYIYRLAGGFSRSTGKGDDDKDD	DEDDSG	110
altai dmp1	MKISILLMFLWGLSCALPVTXQNNESDSEXWKGHXXQAPTPL	.....ANEDPSDSTQXEEGLX	SDDHQYIYRLAGXFSRSTGKGXXDKDX	DEDDSG	94
vindijs dmp1	MKISILLMFLWGLSCALPXXXXXXXXXXXXXXXXGHXXQAPTPL	.....ANEDPSDSTQXEEGLX	SDDHQYIYRLAGXFSRSTGKGXXDKDX	DEDDSG	94
sidron dmp1	MKISILLMFLWGLSCALPXXXXXXXXXXXXXXXXGHXXQAPTPL	.....ANEXPSDXTQXEEGLX	SDDHQYIYRLAGXFSRSTGKGXXDKDX	DEDDSG	94

G3RXT9 GORGO	DDTFGDDSGPGPKDRQEGGN	SRLGNDESDDTIQSSEESAPQGQDSAQD	TTSENKELDNEDRVD	SKPEGGDSTQSESEEEHWVG	GGSDGESSHGDGSKLDDEGMQSDDP	220
H2QPV1 PANTR	DDTYGDDSGPGPKDRQEGGY	SRLGSDSDDTIQASEESAPQGQDSAQD	TTSESRELDNEDRVD	SKPEGGDSTQSESEEEHWVG	GGSDGESSHGDGSELDDDEGMQSDDP	220
DMP1 HUMAN	DDTFGDDSGPGPKDRQEGGN	SRLGSDSDDTIQASEESAPQGQDSAQD	TTSESRELDNEDRVD	SKPEGGDSTQSESEEEHWVG	GGSDGESSHGDGSELDDDEGMQSDDP	220
altai dmp1	DDTFGDDSGPGPKXXRXXCXXXXXX	SDESDDTIXASEESAPQGQDSAQD	TTSESRELDNEDRVX	XXEGGDSTQSESEEEHWVX	GGSDGESSHGDGSELDDDEGMQSDDX	204
vindijs dmp1	DDTFGDDSGPGPKDRXEGGN	SRLGSDSDDTIXASEESAPQGQDSAQD	TTSESRELDNEDRVX	XXEGGDSTQSESEEEHWVX	GGSDGESSHGDGSELDDDEGMQSDDX	204
sidron dmp1	DDTFGDDXXXXXXXXXXXXXXXXXXXX	DTIXASEESAPQGX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	ESEEHVX	GGSDGESSHGDXXSELXDEGMQSDDX	204

G3RXT9 GORGO	DSIRSERGNSRMNSAGMKP	KESGENSEQANIQDSCD	SQLEHPSRKIFRKSRISEEDDRSELDDNNTMEEVKSDSTENS	NSRDTGLSQPM	RDSKGD	SQEDSKENLSQEES	330	
H2QPV1 PANTR	ESIRSERGNSRMNSAGMK	SKESGENSEQANTQDSCD	SQLEHPSRKIFRKSRISEQEDDRSELDDNNTMEEVKSDSTENS	NSRDTGLSQPRRD	SKGD	SQEDSKENLSQEES	330	
DMP1 HUMAN	ESIRSERGNSRMNSAGMK	SKESGENSEQANTQDSGGSQLEHPS	RKIFRKSRISEEDDRSELDDNNTMEEVKSDSTENS	NSRDTGLSQPRRD	SKGD	SQEDSKENLSQEES	330	
altai dmp1	XSXRSERGNSRMNSAGMX	SKESGXNSEQANTQDSGGSQLEHPS	XXXXXXRXXRISEEDDXXXXXXXXXXXX	DSTENSXXRDX	GLSQPRRD	SKGD	SQEDSKENLSQEES	314
vindijs dmp1	XSXRSERGNSRMNSAGMX	SKESGXNSEQANTQDSGGSQLEHPS	XRKIFRKSRISEEDDRSELDDNNTMEEVKSDSTENS	XXRDX	GLSQPRRD	SKGD	SQEDSKENLSQEES	314
sidron dmp1	XSXRSERGNSRMNSAGMX	SKESGXNSEQANTQDSGGSQLEHPS	XRKIFRKSRISEEDDRSELDDNNTMEEVKSDSTENS	XXRDX	GLSQPRRD	SKGD	SQEDSKENLSQEES	314

G3RXT9 GORGO	QNVDPGSS	ESSQEVNLSSQENSSE	SQEEVVSES	RGNPDPTTSYVEDQEDSDSSEEDSSHTLS	SHSKSES	SREEQADSESSES	SLNFSEES	PESPEDENSSSSQEG	LQSHSSSA	440
H2QPV1 PANTR	QNVDPGSS	ESSQEVNLSSQENSSE	SQEEVVSES	RGNPDPTTSYVEDQEDSDSSEEDSSHTLS	SHSKSES	SREEQADSESSES	SLNFSEES	PESPEDENSSSSQEG	LQSHSSSA	440
DMP1 HUMAN	QNVDPGSS	ESSQEVNLSSQENSSE	SQEEVVSES	RGNPDPTTSYVEDQEDSDSSEEDSSHTLS	SHSKSES	SREEQADSESSES	SLNFSEES	PESPEDENSSSSQEG	LQSHSSSA	440
altai dmp1	QNVDPGSS	ESSQEVNLSSQENSSE	SQEEVVSES	RGNPDPTTSYVEDQEDSDSSEEDSSHTLS	SHSKSES	SREEQADSESSES	SLNFSEES	PESPEDENSSSSQEG	LQSHSSSA	424
vindijs dmp1	QNVDPGSS	ESSQEVNLSSQENSSE	SQEEVVSES	RGNPDPTTSYVEDQEDSDSSEEDSSHTLS	SHSKSES	SREEQADSESSES	SLNFSEES	PESPEDENSSSSQEG	LQSHSSSA	424
sidron dmp1	QNVDPGSS	ESSQEVNLSSQENSSE	SQEEVVSES	RGNPDPTTSYVEDQEDSDSSEEDSSHTLS	SHSKSES	SREEQADSESSES	SLNFSEES	PESPEDENSSSSQEG	LQSHSSSA	424

G3RXT9 GORGO	ESQSEESHSEEDSDSQDS	SRSKEDSNSTESKSSSEEDGQLKN	IEIESRKLTV	DAYHNKPIGDQDDNDCQDGY	513
H2QPV1 PANTR	ESQSEESHSEEDNDSQDS	SRSKEDSNSTESKSSSEEDGQLKN	IEIESRKLTV	DAYHNKPIGDQDDNDCQDGY	513
DMP1 HUMAN	ESQSEESHSEEDSDSQDS	SRSKEDSNSTESKSSSEEDGQLKN	IEIESRKLTV	DAYHNKPIGDQDDNDCQDGY	513
altai dmp1	ESQSEESHSEEDSDSQDX	SRSKEDSNSTESKSSSEEDGQLKT	IEIESRKLTV	DAYHNKPIGDQDDNDCQDGY	497
vindijs dmp1	ESQSEESHSEEDSDSQDX	SRSKEDSNSTESKSSSEEDGQLKT	IEIESRKLTV	DAYHNKPIGDQDDNDCQDGY	497
sidron dmp1	ESQSEESHSEEDSDSQDX	SRSKEDSNSTESKSSSEEXXXLXX	IEIXXXKLTV	DAYHNKPIGDQDDNDCQDGY	497

X non conserved
X ≥ 50% conserved