wt_healthy mutant_tumor	1 MAAL <mark>S</mark> GGGGG MAAL <mark>S</mark> GGGGG	GAEPGQALFN GAEPGQALFN	GDMEPEAGAG GDMEPEAGAG	A <mark>G</mark> AAA <mark>SS</mark> AAD A <mark>G</mark> AAA <mark>SS</mark> AAD	PAIPEEVWNI PAIPEEVWNI	KQMIKLTQEH KQMIKLTQEH	IEALLD <mark>K</mark> FGG IEALLDKFGG
wt_healthy mutant_tumor	71 EHNPPSIYLE EHNPPSIYLE	AYEEYTS <mark>K</mark> LD AYEEYTS <mark>K</mark> LD	AL <mark>QQR</mark> EQQLL AL <mark>QQR</mark> EQQLL	ESLGNGTDFS ESLGNGTDFS	VSSSASM <mark>D</mark> TV VSSSASMD <mark>T</mark> V	TSSSSSSLSV TSSSSSSL <mark>SV</mark>	LPSSLSVFQN L <mark>PSSL</mark> SVFQN
1 wt_healthy mutant_tumor	41 PTDVARSNPK PTDVARSNPK	SPQKPIVRVF SPQKPIVRVF	LPNKQRTVVP L <mark>PNKQR</mark> TVVP	ARCGVTVRDS ARCGVTVRDS	L <mark>KK</mark> ALMMRGL L <mark>KK</mark> ALMMRGL	IPECCAVYRI IPECCAVYRI	QDGEKKPIGW QDGEKKPIGW
2 wt_healthy mutant_tumor	11 DTDISWLTGE DTDISWLTGE		PLTTHNFVRK PLTTHNFV <mark>RK</mark>	TFFTLAFCDF TFFTLAFCDF	CRKLLFQGFR CRKLLFQGFR	CQTCGYKFHQ CQTCGYKFHQ	RCSTEVPLMC RCSTEVPLMC
2 wt_healthy mutant_tumor	81 VNYDQLDLLF VNYDQLDLLF	VSKFFEHHPI VSKFFEHHPI	PQEEASLAET PQEEASLAET	ALTSGSSPSA ALTSGSSPSA	PASDSIGPQI PASDSIGPQI	LTSPSPSKSI LTSPSPSKSI	PIPQPFRPAD PIPQPFRPAD
3 wt_healthy mutant_tumor	51 EDHRNQFGQR EDHRNQFGQR	D <mark>R</mark> SSSAPNVH D <mark>R</mark> SSSAPNVH	INTIEPVNID INTIEPVNID	DLIRDQGFRG DLIRDQGFRG	DGGSTTGLSA DGGSTTGLSA	TPPASLPGSL TPPASLPGSL	TNV <mark>K</mark> ALQKSP TNV <mark>K</mark> ALQKSP
4 wt_healthy mutant_tumor	21 GPQRERKSSS GPQRERKSSS	SSEDRNRMKT SSEDRNRMKT	LGRRDSSDDW LGRRDSSDDW	EI <mark>PDGQITVG</mark> E <mark>I</mark> PDGQITVG	QRIGSGSFGT QRIGSGSFGT	VYK <mark>GK</mark> WHGDV VYK <mark>GK</mark> WHGDV	
4 wt_healthy mutant_tumor	91 TPQQLQAFKN TPQQLQAFKN	EVGVLRKTRH EVGVL <mark>RKTR</mark> H	V <mark>N</mark> ILLFM <mark>G</mark> YS V <mark>N</mark> ILVFM <mark>G</mark> YS	TKPQLAIVTQ TKPQLAIVTQ	WCEGSSLYHH WCEGSSLYHH	LHIIETKFEM LHIIETKFEM	I <mark>K</mark> LIDIARQT IKLIDIARQT
5 wt_healthy mutant_tumor	61 A <mark>QGMDYLHAK</mark> AQGMDYLHAK	SIIH <mark>R</mark> DLKSN SIIH <mark>R</mark> DLKSN	NIFLH <mark>EDLT</mark> V NIFLHEDL <mark>T</mark> V	KIGDFGLATV KIGDFGLATV	KSRWSGSHQF KSRWSGSHQF	EQLSGSILWM EQLSGSILWM	APEVI <mark>R</mark> MQD <mark>K</mark> APEVIRMQDK
6 wt_healthy mutant_tumor	31 NPYSFQSDVY NPYSFQSDVY	AF <mark>G</mark> IVLY <mark>EL</mark> M AF <mark>G</mark> IVLY <mark>EE</mark> M	TGQLPYSNIN TGQLPYSNIN	N <mark>R</mark> DQIIFMVG N <mark>R</mark> DQIIFMVG	RGYLSPDLSK RGY <mark>R</mark> SPDLSK	VRSNCPKAMK V <mark>R</mark> SNCPKAMK	RLMAECLKKK RLMAECLKKK
7 wt_healthy mutant tumor	01 RDERPLFPQI RYERPLFPOI	LA <mark>SIE</mark> LLA <mark>R</mark> S LASIELLARS	LPKIHRSASE LPKIHRSASE	PSLN <mark>R</mark> AGFQT PSLNRAGFOT	EDF <mark>S</mark> LYACAS EDFSLYACAS	P <mark>KTPIQAGGY</mark> PKTPIOAGGY	GAFPVH GAFPVH