

Alignment: C:\Users\joelp\BIMM143\Class19\A17080226_mutant_seq.fa
Seaview [blocks=10 fontsize=10 A4] on Tue Mar 11 11:33:13 2025

wt_healthy	1	MAALS	GGGGG	GAEPG	QALFN	GDMEPE	EAGAG	AGAAA	SSAAD	PAIPEE	VWNI	KQMIKL	TQEH	IEALLD	KFGG
mutant_tumor		MAALS	GGGGG	GAEPG	QALFN	GDMEPE	EAGAG	AGAAA	SSAAD	PAIPEE	VWNI	KQMIKL	TQEH	IEALLD	KFGG
wt_healthy	71	EHNPP	SIYLE	AYEEY	TSKLD	ALQQR	EQQL	ESLGN	GTDFS	VSSSA	SMDTV	TSSSSS	SLSV	LPSSSL	SVFQN
mutant_tumor		EHNPP	SIYLE	AYEEY	TSKLD	ALQQR	EQQL	ESLGN	GTDFS	VSSSA	SMDTV	TSSSSS	SLSV	LPSSSL	SVFQN
wt_healthy	141	PTDVAR	SNPK	SPQKP	IVRVF	LPNKQR	TVVP	ARCGVT	VRDS	LKKALM	MRGL	IPECCA	VYRI	QDGEKK	PIGW
mutant_tumor		PTDVAR	SNPK	SPQKP	IVRVF	LPNKQR	TVVP	ARCGVT	VRDS	LKKALM	MRGL	IPECCA	VYRI	QDGEKK	PIGW
wt_healthy	211	DTDIS	WLTGE	ELHVE	VLENV	PLTTH	NFVRK	TFFT	LAFCD	CRKLL	FQGR	CQTCG	YKFHQ	RCSTEV	PLMC
mutant_tumor		DTDIS	WLTGE	ELHVE	VLENV	PLTTH	NFVRK	TFFT	LAFCD	CRKLL	FQGR	CQTCG	YKFHQ	RCSTEV	PLMC
wt_healthy	281	VNYDQ	LDLLF	VSKFF	FEHHPI	PQEEA	SLAET	ALTSG	SSPSA	PASDS	SIGPQI	LTSPSP	SKSI	PIQPFR	PAD
mutant_tumor		VNYDQ	LDLLF	VSKFF	FEHHPI	PQEEA	SLAET	ALTSG	SSPSA	PASDS	SIGPQI	LTSPSP	SKSI	PIQPFR	PAD
wt_healthy	351	EDHRN	QFGQR	DRSSS	APNVH	INTIE	PVNID	DLIRD	QGFRG	DGGST	TGLSA	TPPAS	LPGSL	TNVKAL	QKSP
mutant_tumor		EDHRN	QFGQR	DRSSS	APNVH	INTIE	PVNID	DLIRD	QGFRG	DGGST	TGLSA	TPPAS	LPGSL	TNVKAL	QKSP
wt_healthy	421	GPQER	ERKSSS	SSEDR	NRMKT	LGRRD	SSDDW	EIPDG	QITVG	QRIGS	GSFGT	VYKGK	WHGDV	AVKMLN	VTAP
mutant_tumor		GPQER	ERKSSS	SSEDR	NRMKT	LGRRD	SSDDW	EIPDG	QITVG	QRIGS	GSFGT	VYKGK	WHGDV	AVKMLN	VTAP
wt_healthy	491	TPQQL	QAFKN	EVGVL	RKTRH	VNILL	FMGYS	TKPQL	LAIVTQ	WCEGS	SLYHH	LHIIET	KFEM	IKLIDI	ARQT
mutant_tumor		TPQQL	QAFKN	EVGVL	RKTRH	VNILL	FMGYS	TKPQL	LAIVTQ	WCEGS	SLYHH	LHIIET	KFEM	IKLIDI	ARQT
wt_healthy	561	AQGMD	YLHAK	SIHRD	LKSN	NIFLH	EDLTV	KIGDF	GLATV	KSRWS	GSHQF	EQLSG	SILWM	APEVIR	MQDK
mutant_tumor		AQGMD	YLHAK	SIHRD	LKSN	NIFLH	EDLTV	KIGDF	GLATV	KSRWS	GSHQF	EQLSG	SILWM	APEVIR	MQDK
wt_healthy	631	NPYSF	QSDVY	AFGIV	LYELM	TGQLP	YSNIN	NRDQI	IFMVG	RGYLS	PDLSK	VRSNCP	KAMK	RLMAEC	LKKK
mutant_tumor		NPYSF	QSDVY	AFGIV	LYEEM	TGQLP	YSNIN	NRDQI	IFMVG	RGYLS	PDLSK	VRSNCP	KAMK	RLMAEC	LKKK
wt_healthy	701	RDERP	LPFQI	LASIE	LLARS	LPKIHR	SASE	PSLNR	AGFQT	EDFSL	YACAS	PKTPI	QAGGY	GAFPVH	
mutant_tumor		RYERP	LPFQI	LASIE	LLARS	LPKIHR	SASE	PSLNR	AGFQT	EDFSL	YACAS	PKTPI	QAGGY	GAFPVH	